

# CATALOGUS

# ADDITIONELE

# PRODUKTEN

# 2023

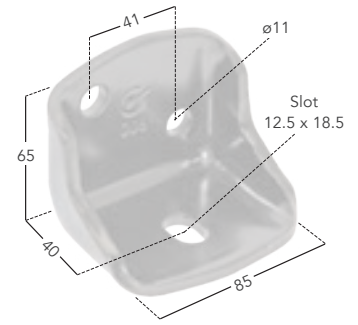
**TRANSPORT LOAD SYSTEMS BV**

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### Universal Body Mounting Bracket

**ABMB006**

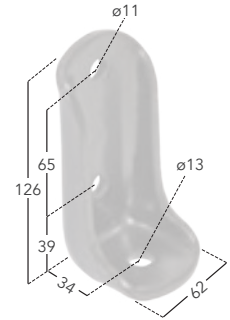
- For use on chassis with 75mm & 100mm runners
- Epoxy coated 5mm pressed steel
- Check for suitability in all applications
- wgt. 0.43kg



### Universal Body Mounting Bracket

**ABMB007**

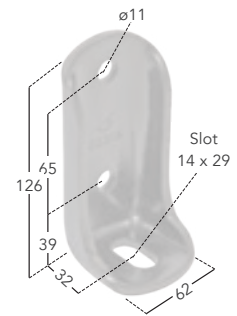
- For use on chassis with 125mm & 150mm runners
- Epoxy coated 6mm pressed steel
- Check for suitability in all applications
- wgt. 0.45kg



### Universal Body Mounting Bracket

**ABMB007/14**

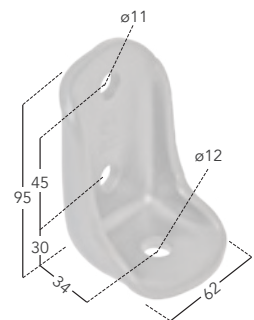
- For use on chassis with 125mm & 150mm runners
- Epoxy coated 6mm pressed steel
- Check for suitability in all applications
- See page 12 for body mounting springs
- wgt. 0.45kg



### Universal Body Mounting Bracket

**ABMB022**

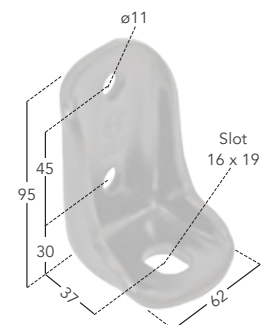
- For use on chassis with 100mm runners
- Epoxy coated 6mm pressed steel
- Check for suitability in all applications
- wgt. 0.35kg



### Universal Body Mounting Bracket

**ABMB023**

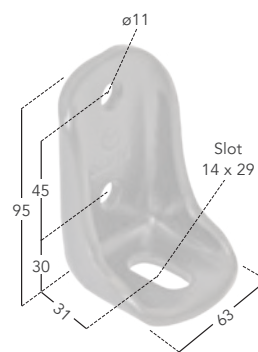
- For use on chassis with 100mm runners
- Epoxy coated 6mm pressed steel
- Check for suitability in all applications
- wgt. 0.36kg



## Universal Body Mounting Bracket

ABMB023/14

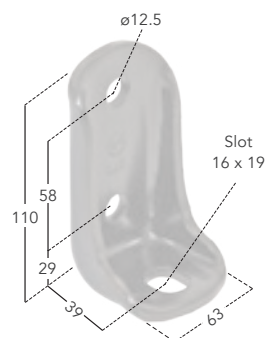
- For use on chassis with 100mm runners
- Epoxy coated 6mm pressed steel
- Check for suitability in all applications
- See page 12 for body mounting springs
- wgt. 0.36kg



## Universal Body Mounting Bracket

ABMB028

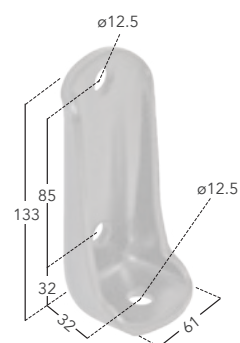
- For use on chassis with 125mm & 150mm runners
- Epoxy coated 6mm pressed steel
- Check for suitability in all applications
- wgt. 0.40kg



## Universal Body Mounting Bracket

ABMB030

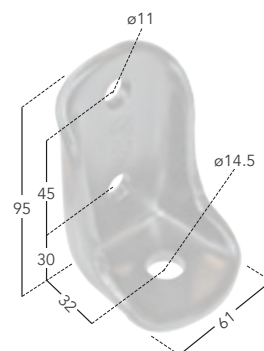
- For use on chassis with 150mm runners
- Epoxy coated 6mm pressed steel
- Check for suitability in all applications
- wgt. 0.43kg



## Universal Body Mounting Bracket

ABMB066

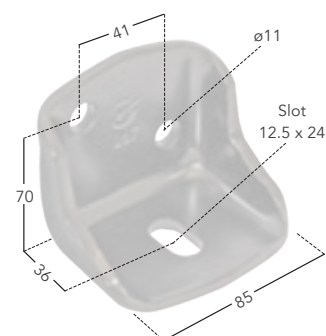
- For use on chassis with 100mm runners
- Epoxy coated 6mm pressed steel
- Check for suitability in all applications
- wgt. 0.35kg



## Universal Body Mounting Bracket

ABMB067

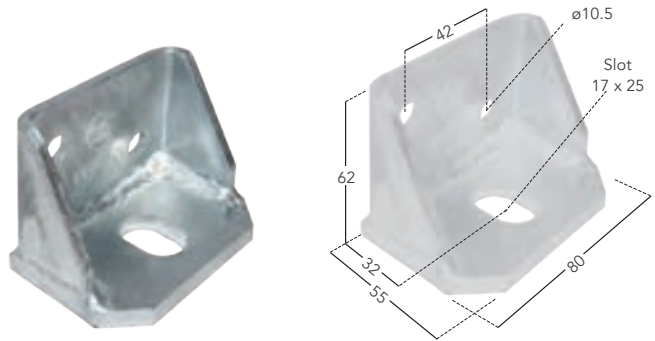
- For use on chassis with 75mm runners
- Epoxy coated 6mm pressed steel
- Check for suitability in all applications
- wgt. 0.42kg



### Universal Body Mounting Bracket

**ABMB069/GV**

- For use on chassis with 75mm & 100mm runners
- Galvanized 5mm fabricated steel (8mm base)
- Check for suitability in all applications
- wgt. 0.51kg

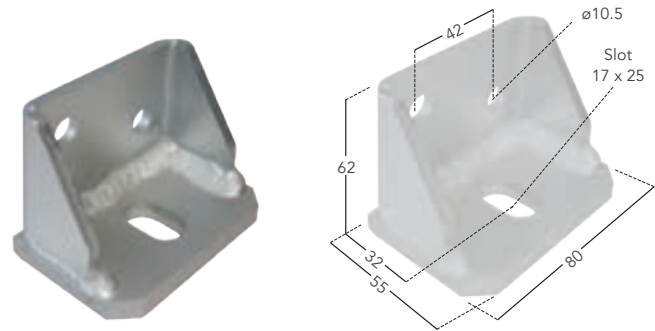


### Universal Body Mounting Bracket

**ABMB069/ALU**

- For use on chassis with 75mm & 100mm runners
- 6mm Fabricated aluminium (8mm base)
- Check for suitability in all applications
- wgt. 0.19kg

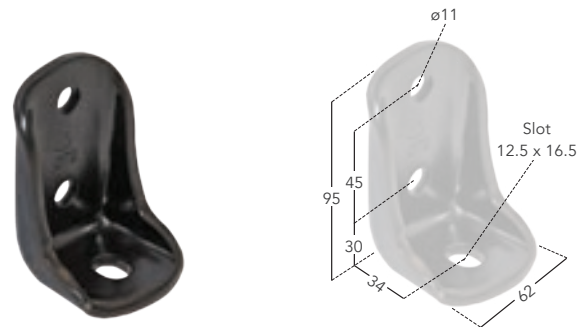
**WEIGHT SAVING**



### Universal Body Mounting Bracket

**ABMB072**

- For use on chassis with 100mm runners
- Epoxy coated 6mm pressed steel
- Check for suitability in all applications
- wgt. 0.36kg



### Universal Body Mounting Bracket 'V' Range – Weld on

**ABMB902A**

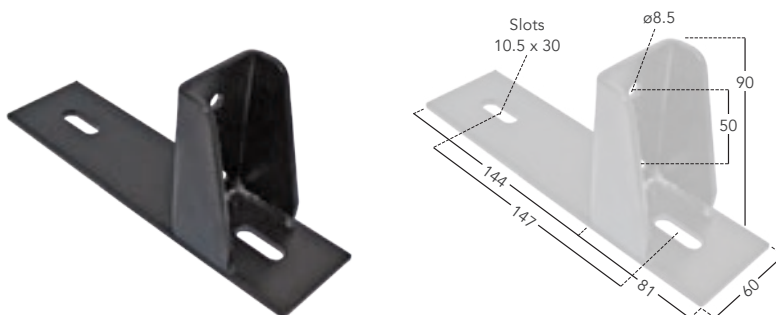
- For use on chassis with 100mm runners
- Self colour 6mm pressed steel
- Check for suitability in all applications
- wgt. 0.43kg



## Pedestal Body Mounting Bracket

ABMB705B

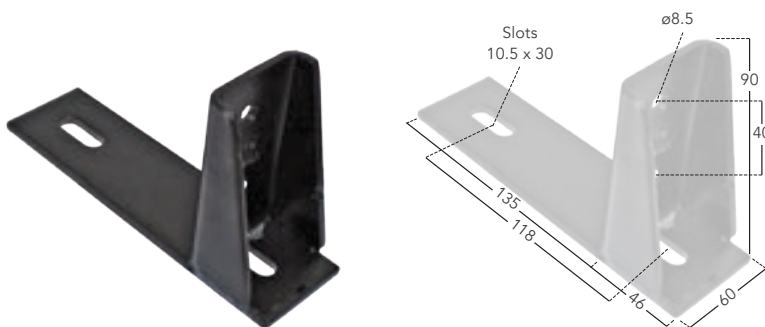
- For use on chassis with 100mm runners
- Epoxy coated 4mm fabricated steel (5mm base)
- Check for suitability in all applications
- wgt. 0.86kg



## Pedestal Body Mounting Bracket

ABMB706A

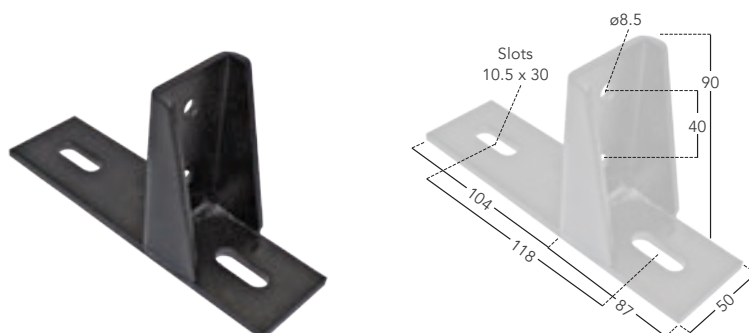
- For use on chassis with 100mm runners
- Epoxy coated 4mm fabricated steel (6mm base)
- Check for suitability in all applications
- wgt. 0.62kg



## Pedestal Body Mounting Bracket

ABMB706B

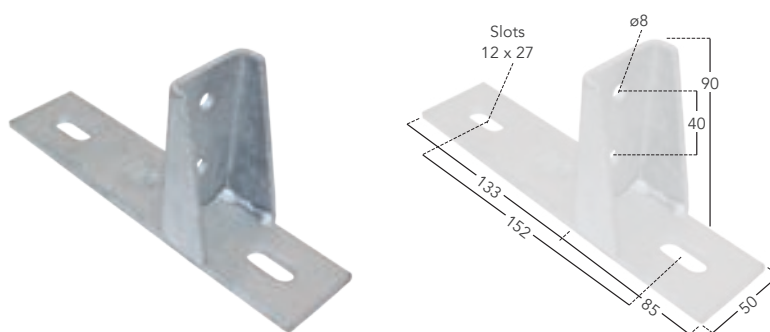
- For use on chassis with 100mm runners
- Epoxy coated 4mm fabricated steel (6mm base)
- Check for suitability in all applications
- wgt. 0.62kg



## Pedestal Body Mounting Bracket

ABMB706B/90GV

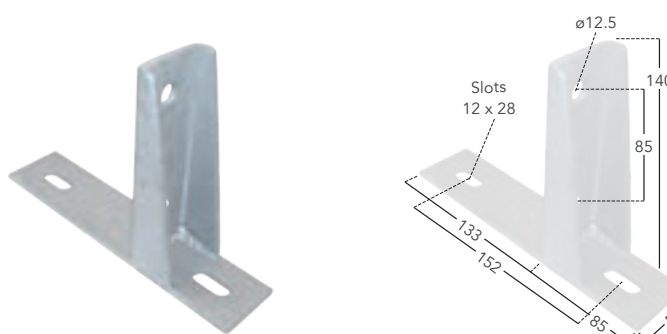
- For use on chassis with 100mm runners
- Galvanized 4mm fabricated steel (6mm base)
- Check for suitability in all applications
- wgt. 0.73kg



## Pedestal Body Mounting Bracket

ABMB706B/140GV

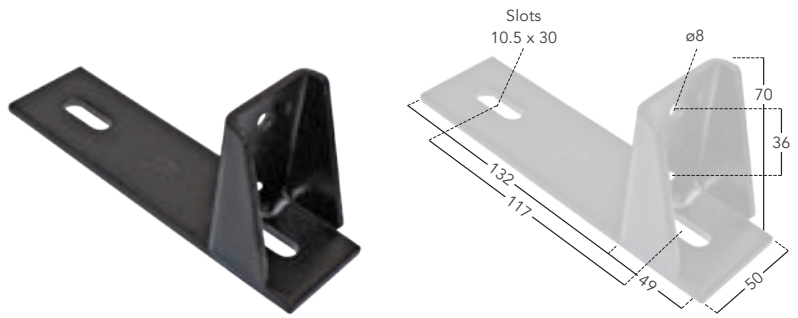
- For use on chassis with 150mm runners
- Galvanized 4mm fabricated steel (6mm base)
- Check for suitability in all applications
- wgt. 0.89kg



### Pedestal Body Mounting Bracket

**ABMB707A**

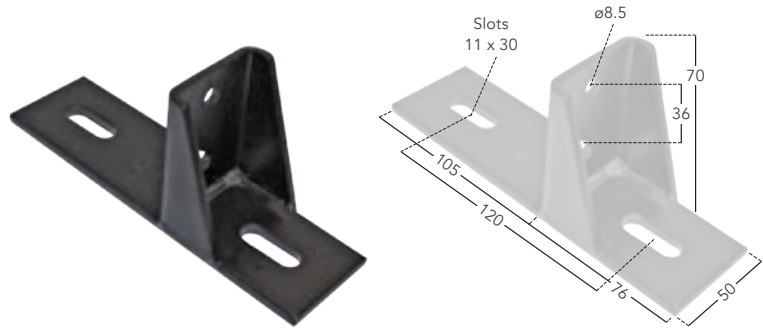
- For use on chassis with 75mm runners
- Epoxy coated 4mm fabricated steel (6mm base)
- Check for suitability in all applications
- wgt. 0.60kg



### Pedestal Body Mounting Bracket

**ABMB707B**

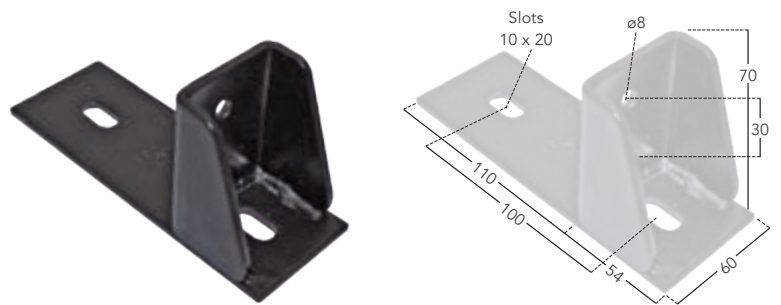
- For use on chassis with 75mm runners
- Epoxy coated 4mm fabricated steel (6mm base)
- Check for suitability in all applications
- wgt. 0.60kg



### Pedestal Body Mounting Bracket

**ABMB708A**

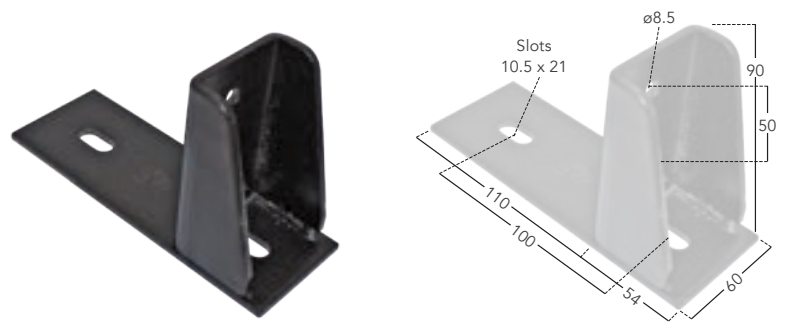
- For use on chassis with 75mm runners
- Epoxy coated 4mm fabricated steel (5mm base)
- Check for suitability in all applications
- wgt. 0.65kg



### Pedestal Body Mounting Bracket

**ABMB709A**

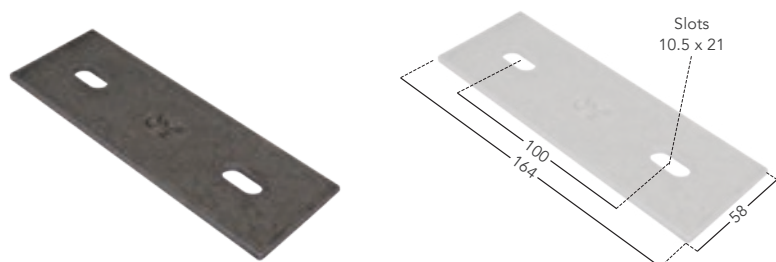
- For use on chassis with 100mm runners
- Epoxy coated 4mm fabricated steel (5mm base)
- Check for suitability in all applications
- wgt. 0.72kg



### Base Plate

**ABMB710A**

- Self colour 5mm steel
- Check for suitability in all applications
- wgt. 0.38kg

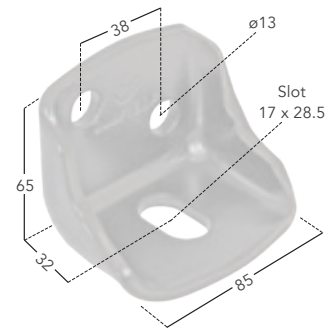


## DAF Body Mounting Bracket

Upper Initial Front

**ABMB006/16DF**

- For use on chassis with 75mm & 100mm runners
- Epoxy coated 6mm pressed steel
- Suits: Various LF, CF & XF Chassis
- Check for suitability in all applications
- See page 12 for body mounting springs
- wgt. 0.43kg

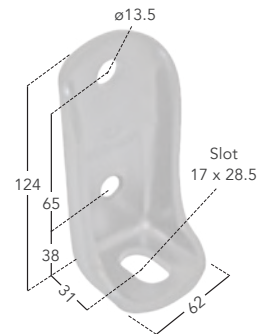


## DAF Body Mounting Bracket

Upper Intermediate

**ABMB007/16DF**

- For use on chassis with 125mm runners
- Epoxy coated 6mm pressed steel
- Suits: Various LF, CF & XF Chassis
- Check for suitability in all applications
- wgt. 0.45kg

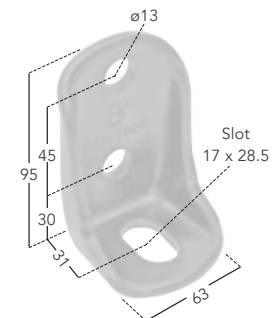


## DAF Body Mounting Bracket

Upper Intermediate

**ABMB023/16DF**

- For use on chassis with 100mm runners
- Epoxy coated 6mm pressed steel
- Suits: Various LF, CF & XF Chassis
- Check for suitability in all applications
- wgt. 0.36kg

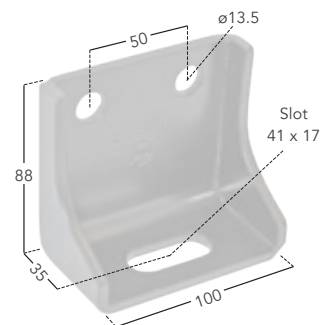


## DAF Body Mounting Bracket

Lower Front

**ABMB045/DF**

- For use on chassis with 100mm runners
- Epoxy coated 6mm fabricated steel
- Suits: Various LF, CF & XF Chassis
- Check for suitability in all applications
- wgt. 0.71kg

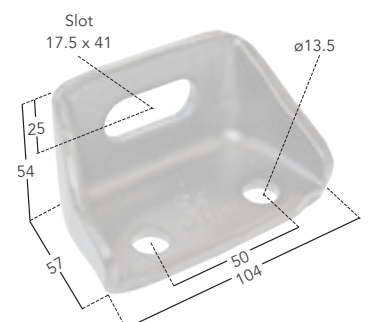


## DAF Body Mounting Bracket

Lower

**ABMB062/DF**

- Epoxy coated 6mm pressed steel
- Suits: Various LF, CF & XF Chassis
- Check for suitability in all applications
- wgt. 0.43kg

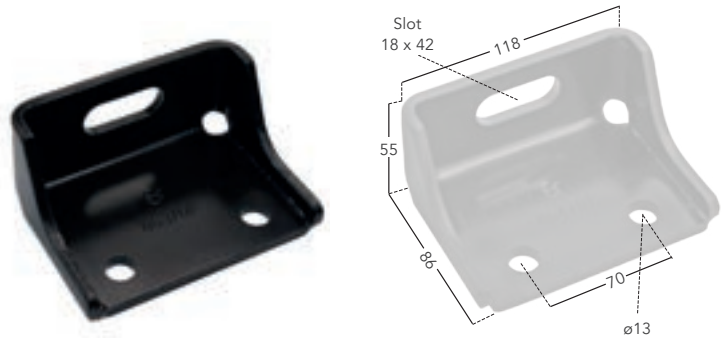


### DAF Body Mounting Bracket

Upper

**ABMB063/DF**

- For use on chassis with 100mm runners
- $\varnothing 13$ mm Fixing holes / 70mm centres
- Epoxy coated 6mm pressed steel
- Suits: Various LF, CF & XF Chassis
- Check for suitability
- wgt. 0.72kg

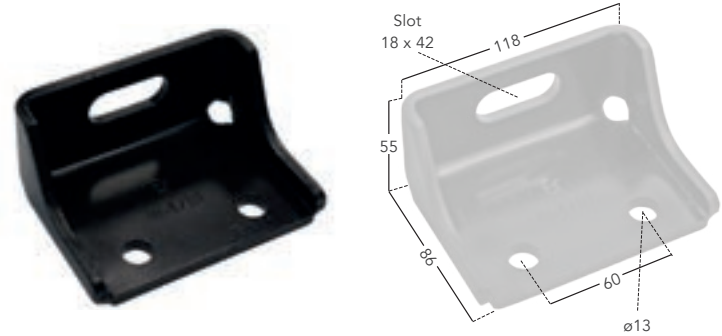


### DAF Body Mounting Bracket

Upper

**ABMB064/DF**

- For use on chassis with 100mm runners
- $\varnothing 13$ mm Fixing holes / 60mm centres
- Epoxy coated 6mm pressed steel
- Suits: Various LF, CF & XF Chassis
- Check for suitability in all applications
- wgt. 0.75kg

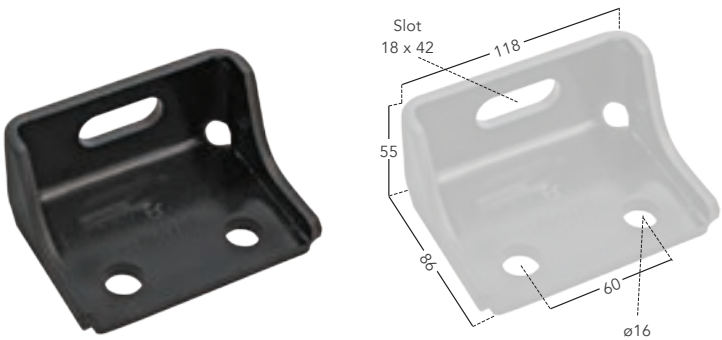


### DAF Body Mounting Bracket

Upper Intermediate

**ABMB065/DF**

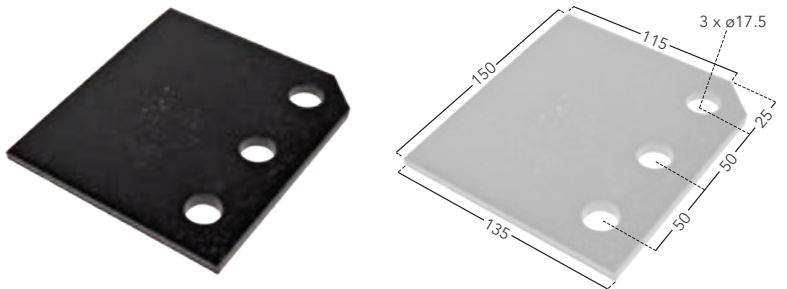
- For use on chassis with 100mm runners
- $\varnothing 16$ mm Fixing holes / 60mm centres
- Epoxy coated 6mm pressed steel
- Suits: Various LF, CF & XF Chassis
- Check for suitability in all applications
- wgt. 0.75kg



### DAF Guide Plate

**ABMB52**

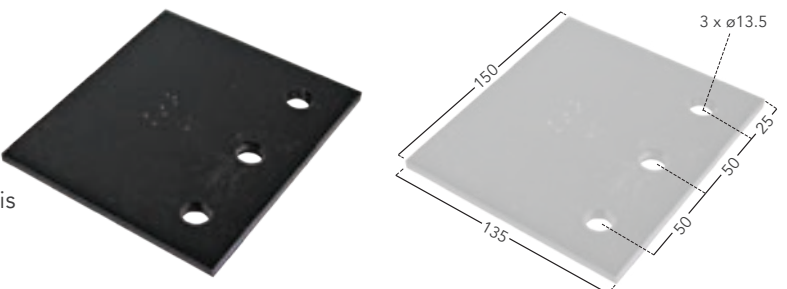
- Epoxy coated 8mm steel
- Suits: Various LF, CF & XF Chassis
- Check for suitability in all applications
- wgt. 1.17kg



### DAF Retainer Plate

**ABMB53**

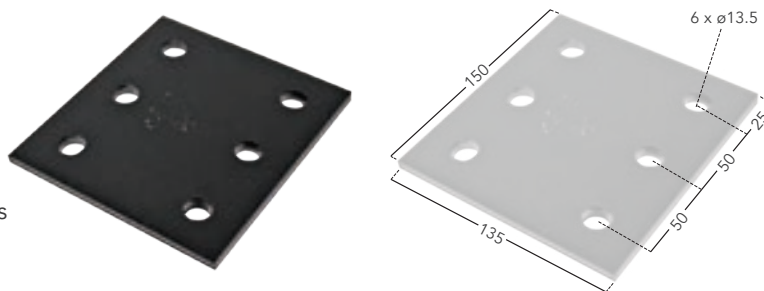
- Epoxy coated 8mm steel
- Suits: Various LF, CF & XF Chassis
- Check for suitability in all applications
- Typically used when a rigid joint between the chassis and subframe is required (i.e. fitment of a tail-lift)
- wgt. 1.20kg



## DAF Retainer Plate

ABMB53/6

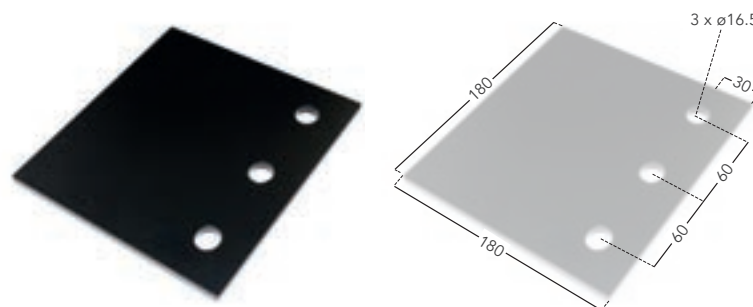
- Epoxy coated 8mm steel
- Suits: Various LF, CF & XF Chassis
- Check for suitability in all applications
- Typically used when a rigid joint between the chassis and subframe is required (i.e. fitment of a tail-lift)
- wgt. 1.18kg



## DAF Retainer Plate

ABMB54/3

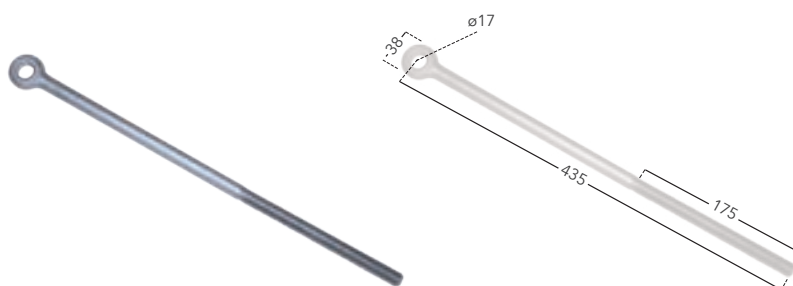
- Epoxy coated 8mm steel
- 3 x  $\phi 16.5$ mm Holes
- 60mm Hole centres
- Check for suitability
- wgt. 1.98kg



## Tie Bar CP350 Surface Coated

ABMB754

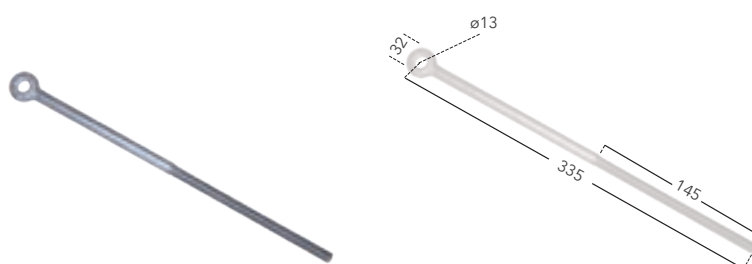
- 435mm
- $\phi 16$ mm
- Suitable for use in various applications
- wgt. 0.62kg



## Tie Bar CP350 Surface Coated

ABMB755/335

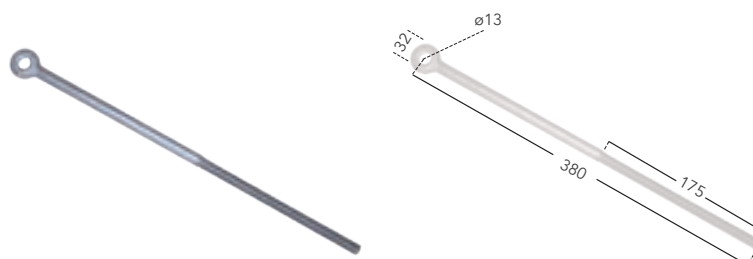
- 335mm
- $\phi 12$ mm
- Suitable for use in various applications
- wgt. 0.28kg



## Tie Bar CP350 Surface Coated

ABMB755

- 380mm
- $\phi 12$ mm
- Suitable for use in various applications
- wgt. 0.32kg

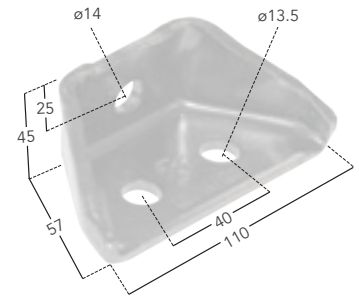


### Isuzu Body Mounting Bracket

Lower

**ABMB051/14/IZU**

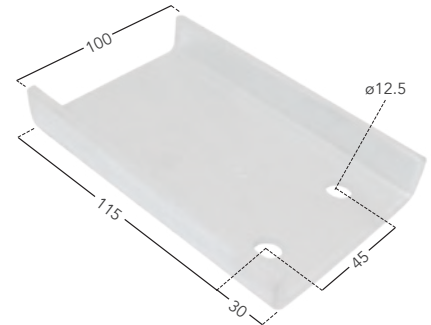
- Epoxy coated 6mm pressed steel
- Suits: Various N Series Chassis
- Check for suitability in all applications
- See page 12 for body mounting springs
- wgt. 0.34kg



### Iveco Chassis Bracket

**ABMB695/IV**

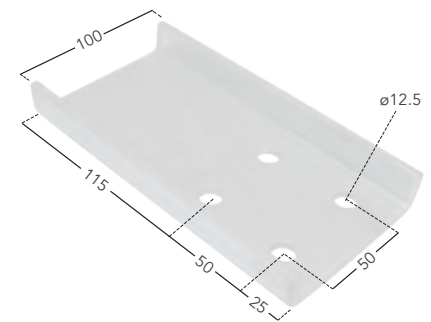
- Chassis to runner fitment
- Can be welded to steel runner or bolted to aluminium runner
- Galvanized 6mm pressed steel
- Check for suitability in all applications
- wgt. 0.88kg



### Iveco Chassis Bracket

**ABMB696/IV**

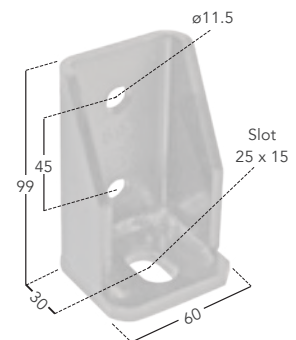
- Chassis to runner fitment
- Can be welded to steel runner or bolted to aluminium runner
- Galvanized 6mm pressed steel
- Check for suitability in all applications
- wgt. 1.13kg



### Iveco/Cargo Body Mounting Bracket

**ABMB692**

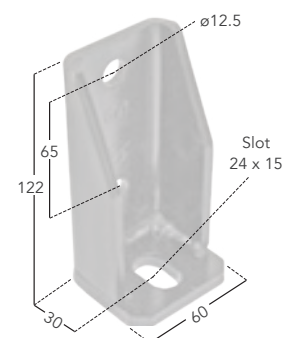
- For use on chassis with 100mm runners
- Epoxy coated 6mm fabricated steel
- Check for suitability in all applications
- wgt. 0.56kg



### MAN/Mitsubishi/Renault Body Mounting Bracket

**ABMB691**

- For use on chassis with 125mm & 150mm runners
- Epoxy coated 6mm fabricated steel
- Suits: MAN 17t – upper bracket  
Mitsubishi Canter – lower bracket  
Renault Midlum – upper bracket
- Check for suitability in all applications
- wgt. 0.64kg

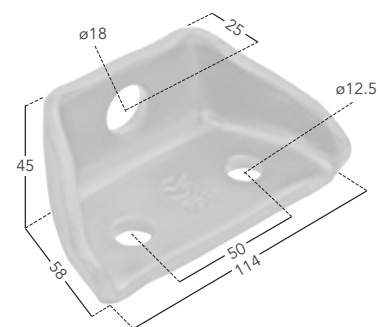


## Mercedes Body Mounting Bracket

Lower

**ABMB051**

- Epoxy coated 6mm pressed steel
- Suits: Various Antos, Atego & Econic Chassis
- Check for suitability in all applications
- wgt. 0.34kg

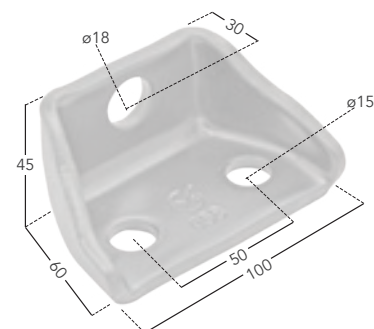


## Mercedes Body Mounting Bracket

Lower

**ABMB058**

- Epoxy coated 6mm pressed steel
- Suits: Various Antos, Atego & Econic Chassis
- Check for suitability in all applications
- wgt. 0.33kg

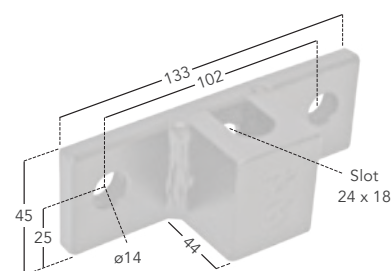


## Mercedes Body Mounting Bracket

Front

**ABMB080**

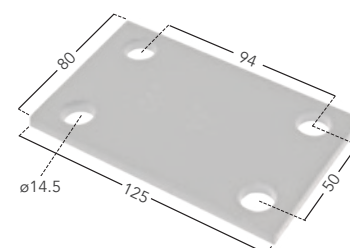
- Epoxy coated 10mm fabricated steel
- Suits: Various Antos, Atego & Econic Chassis
- Check for suitability in all applications
- wgt. 0.72kg



## Mercedes Attachment Plate

**ABMB082**

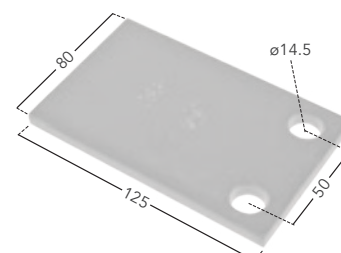
- Epoxy coated 8mm steel
- Suits: Various Antos, Atego & Econic Chassis
- Check for suitability in all applications
- wgt. 0.59kg



## Mercedes Guide Plate

**ABMB083**

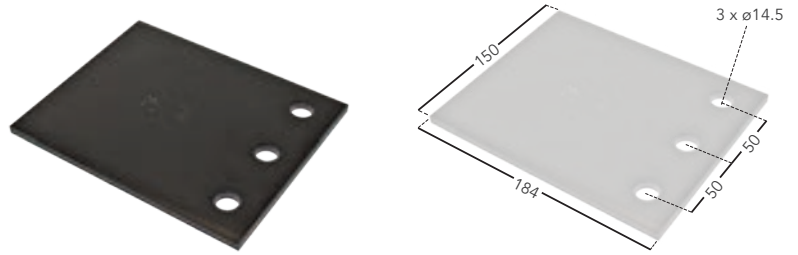
- Epoxy coated 8mm steel
- Suits: Various Antos, Atego & Econic Chassis
- Check for suitability in all applications
- wgt. 0.61kg



### Mercedes Guide Plate

**ABMB084**

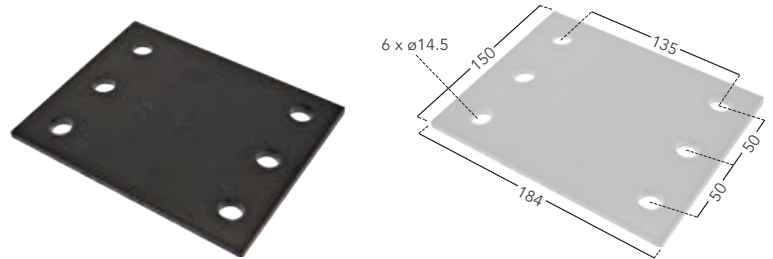
- Epoxy coated 8mm steel
- Suits: Various Antos, Atego & Econic Chassis
- Check for suitability in all applications
- wgt. 1.66kg



### Mercedes Attachment Plate

**ABMB085**

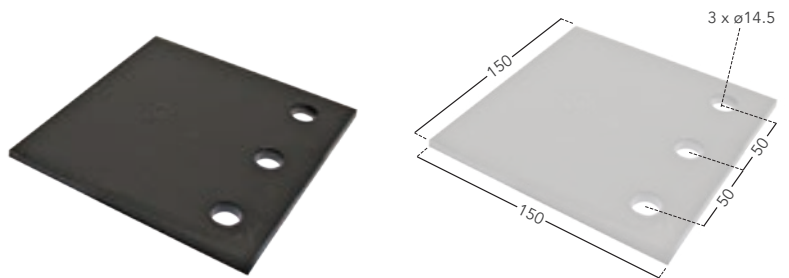
- Epoxy coated 8mm steel
- Suits: Various Antos, Atego & Econic Chassis
- Check for suitability in all applications
- wgt. 1.62kg



### Mercedes Guide Plate

**ABMB086**

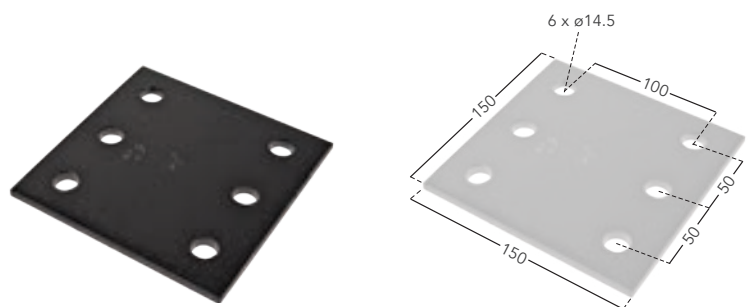
- Epoxy coated 8mm steel
- Suits: Various Antos, Atego & Econic Chassis
- Check for suitability in all applications
- wgt. 1.31kg



### Mercedes Attachment Plate

**ABMB087**

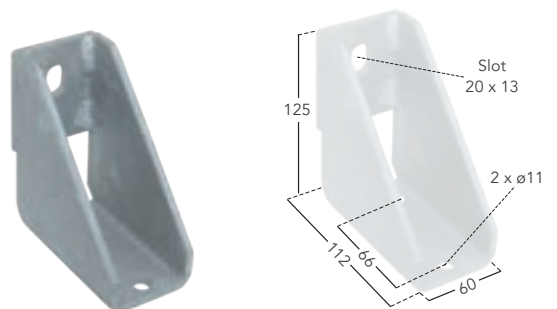
- Epoxy coated 8mm steel
- Suits: Various Antos, Atego & Econic Chassis
- Check for suitability in all applications
- wgt. 1.31kg



### Mercedes/Volkswagen Body Mounting Bracket

**ABMB075/125GV**

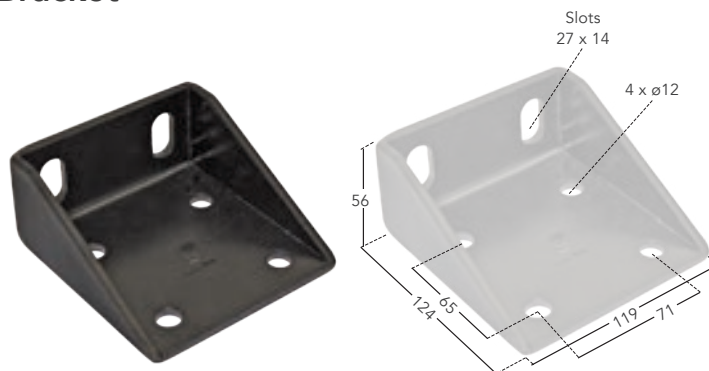
- For use on chassis with 125mm runners
- Galvanized 6mm fabricated steel
- Suits: Mercedes Sprinter 3.5t  
Volkswagen Crafter 3.5t
- Check for suitability in all applications
- wgt. 1.17kg



## Mercedes/Volkswagen Body Mounting Bracket

### ABMB088/MV

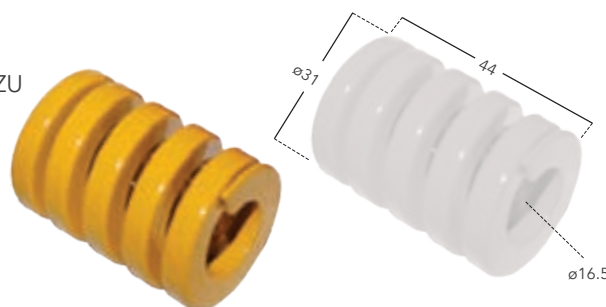
- For use on chassis with 125mm runners
- Epoxy coated 6mm pressed steel
- Suits: Mercedes Sprinter & Volkswagen Crafter
- Standard Chassis: Suits first 2 mountings on each side of the chassis, directly behind the cab
- Double Cab: Suits the first mountings on each side of the chassis, directly behind the cab
- Check for suitability in all applications
- wgt. 0.80kg



## Body Mounting Spring

### ABMB0237/SPR

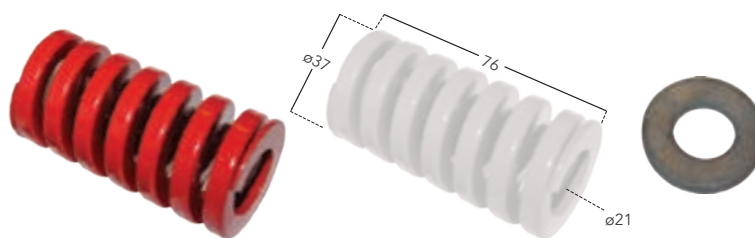
- Suitable for use with: ABMB023/14, ABMB007/14, ABMB051/14/IZU
- Suits: Mercedes, Iveco & Isuzu Chassis, Mercedes Antos, Atego & Econic (except tippers)
- Spring to be fitted to the first mounting brackets on each side of the chassis, directly behind the cab
- To achieve recommended pre-load the spring must be compressed to a length of 38mm
- Check for suitability in all applications
- wgt. 0.11kg



## Body Mounting Spring

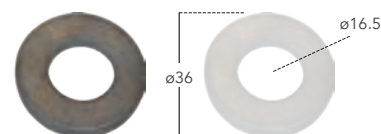
### ABMB044/SPR

- Set consists of: 1 x spring & 1 x 4mm washer
- Suits: Various DAF Chassis
- Where required, spring & washer to be fitted to the first and second mountings on each side of the chassis
- To achieve the recommended pre-load, the spring must be compressed to a length of 70mm
- Check for suitability in all applications
- wgt. 0.28kg



### ABMB044/WA/GV

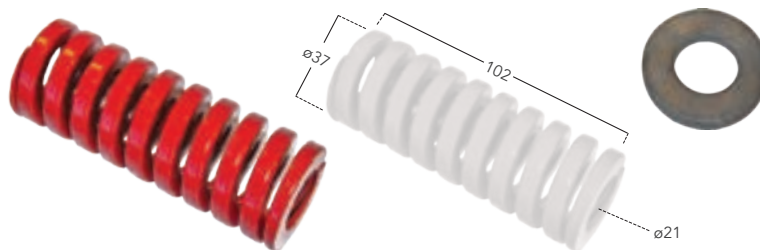
- Optional washer only
- Galvanized 4mm steel
- wgt. 0.039kg



## Body Mounting Spring

### ABMB049/SPR

- Set consists of: 1 x spring & 1 x 6mm washer
- Suits: Various Scania Chassis
- Refer to the bodywork attachment sheet for fitment
- Check for suitability in all applications
- wgt. 0.38kg



### ABMB044/WA/GV

- Optional washer only
- Galvanized 4mm steel
- wgt. 0.039kg

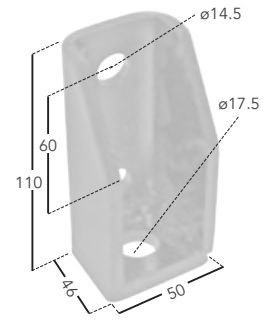


### Scania Body Mounting Bracket

Upper Rigid fixing

**ABMB641/SCA**

- For use on chassis with 125mm & 150mm runners
- Epoxy coated 6mm pressed steel
- Suits: Series 4 – P, R & S Rigid Series
- Check for suitability in all applications
- wgt. 0.57kg

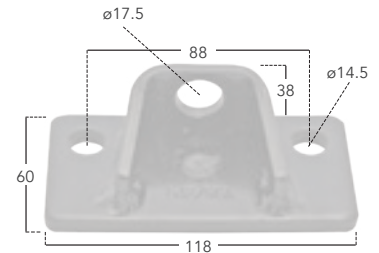


### Scania Body Mounting Bracket

Upper Flexible fixing

**ABMB642/SCA**

- Bolt on
- Epoxy coated 7.5mm fabricated steel
- Suits: Series 4 – P, R & S Rigid Series
- Check for suitability in all applications
- For use on chassis with 100mm, 125mm & 150mm runners
- wgt. 0.55kg

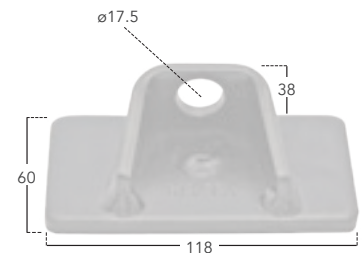


### Scania Body Mounting Bracket

Upper Flexible fixing

**ABMB643/SCA**

- Weld on
- Epoxy coated 7.5mm fabricated steel
- Suits: Series 4 – P, R & S Rigid Series
- Check for suitability in all applications
- For use on chassis with 100mm, 125mm & 150mm runners
- wgt. 0.57kg

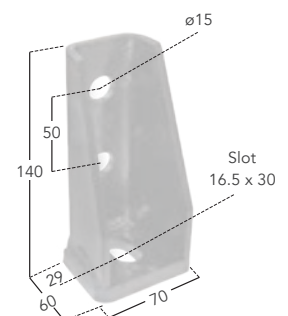


### Scania Body Mounting Bracket

Lower Rigid fixing

**ABMB648/SCA/PRT**

- Suitable for use with: ABMB641/SCA
- Epoxy coated 5mm fabricated steel
- Suits: Series 4 – P, R & S Rigid Series
- Check for suitability in all applications
- wgt. 0.91kg

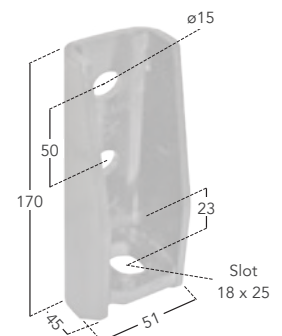


### Scania Body Mounting Bracket

Lower Flexible fixing

**ABMB649/SCA/PRT**

- Suitable for use with: ABMB642/SCA & ABMB643/SCA
- Epoxy coated 5mm fabricated steel
- Suits: Series 4 – P, R & S Rigid Series
- Check for suitability in all applications
- wgt. 0.81kg

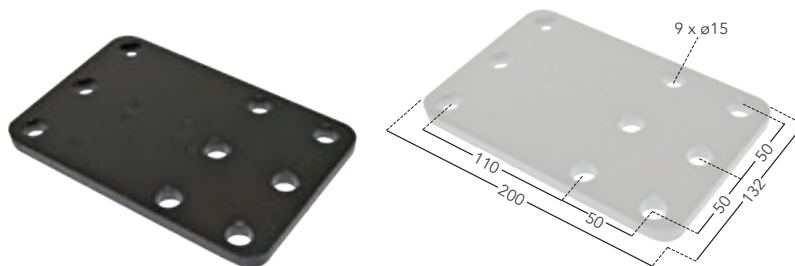


## Scania Attachment Plate

Bolt on

ABMB650/SCA/PRT

- Epoxy coated 12mm steel
- Suits: Series 4 – P, R & S Rigid Series
- Check for suitability in all applications
- wgt. 2.33kg

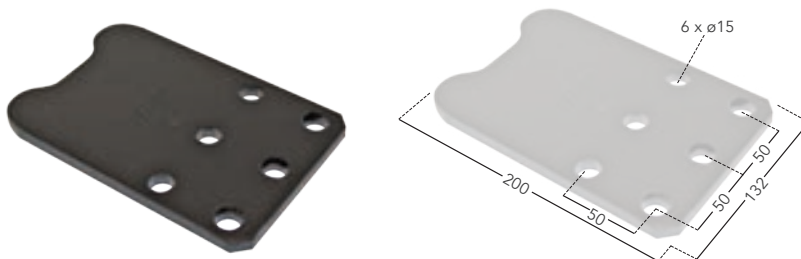


## Scania Attachment Plate

Weld on

ABMB651/SCA/PRT

- Epoxy coated 12mm steel
- Suits: Series 4 – P, R & S Rigid Series
- Check for suitability in all applications
- wgt. 2.33kg

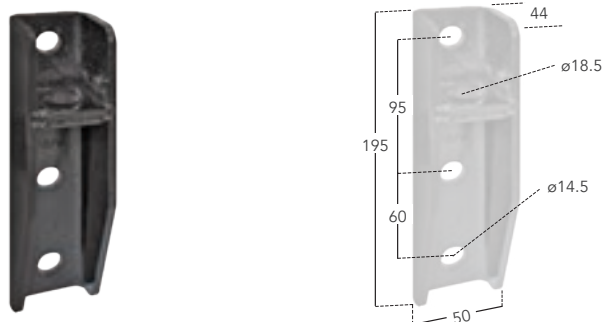


## Volvo Body Mounting Bracket

Lower

ABMB602/VO

- Epoxy coated 5mm fabricated steel
- Suits: Various FH, FE & FL Chassis
- Check for suitability in all applications
- wgt. 0.92kg

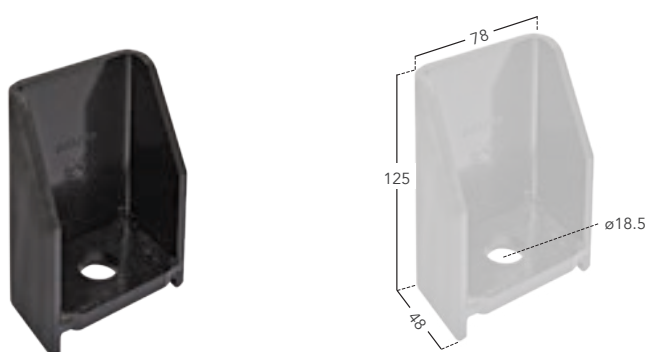


## Volvo Body Mounting Bracket

Upper

ABMB603/VO

- For use on steel sub-frame, rigid type bodies
- Suitable for use with:  
ABMB6037RP/VO & ABMB6037WA/VO
- Epoxy coated 5mm fabricated steel
- Suits: Various FH, FE & FL Chassis
- Check for suitability in all applications
- wgt. 0.97kg



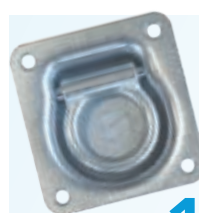
**HAZARD  
WARNING  
LAMPS**

**123-126**



**BUFFERS &  
FENDERS**

**29-37**



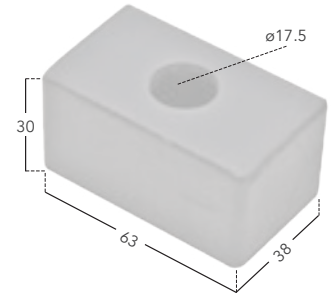
**LASHING  
RINGS**

**179-187**

### Volvo Rubber Pad

**ABMB6037RP/VO**

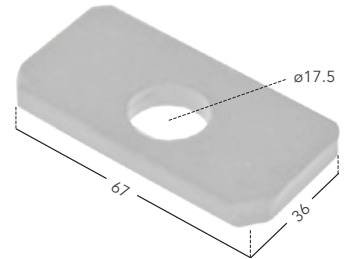
- Suitable for use with: ABMB603/VO
- Black natural rubber
- Check for suitability in all applications
- wgt. 0.10kg



### Volvo Washer

**ABMB6037WA/VO**

- Suitable for use with: ABMB603/VO
- Epoxy coated 8mm steel
- Check for suitability in all applications
- wgt. 0.12kg

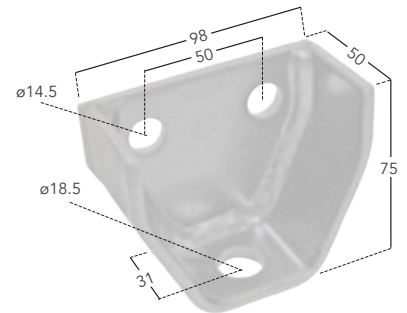


### Volvo Body Mounting Bracket

Upper

**ABMB608/VO**

- Epoxy coated 6mm fabricated steel
- Suits: Various FH, FE & FL Chassis
- Check for suitability in all applications
- wgt. 0.73kg

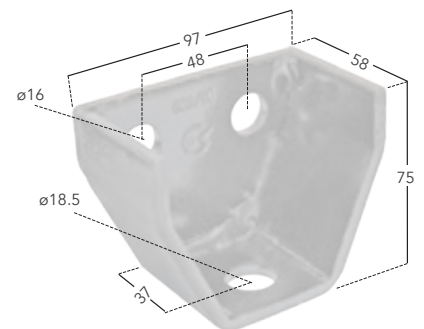


### Volvo Body Mounting Bracket

Upper

**ABMB609/VO**

- Epoxy coated 6mm fabricated steel
- Suits: Various FH, FE & FL Chassis
- For use with semi-rigid & rigid attachments
- Check for suitability in all applications
- wgt. 0.75kg



**TOOLBOXES**  
**313-320**

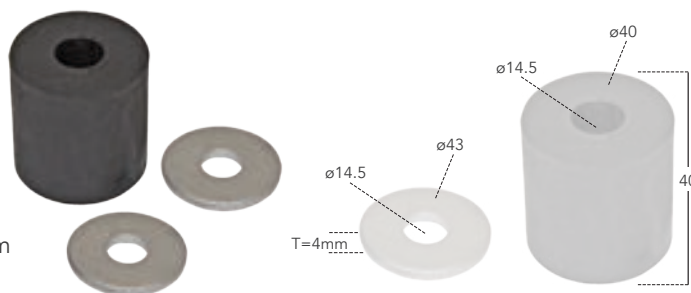
**DROPLock FASTENERS**  
**87-91**

**MRF DOOR LOCKS**  
**70-80**

## Volvo Rubber Pad & Washer Set

### ABMB609RP/VO

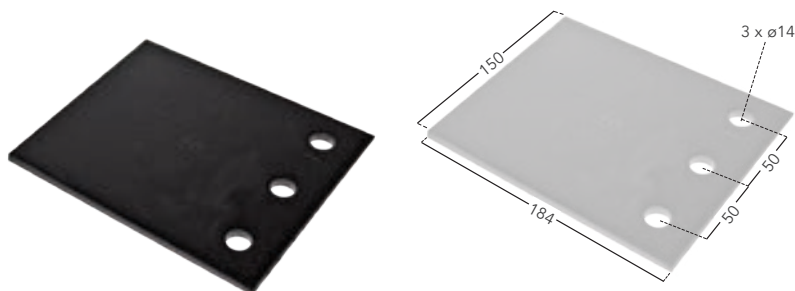
- Set consists of: 1 x rubber pad & 2 x washers
- Suits: Various Volvo Chassis  
Also suits: Renault Midlum & Renault Premium
- Suitable for use with: ABMB609/VO
- Rubber pad hardness: 75-85° shore A
- When tightened the rubber must be compressed by 4mm
- Check for suitability in all applications
- wgt. 0.14kg



## Volvo Attachment Plate

### ABMB635/VO

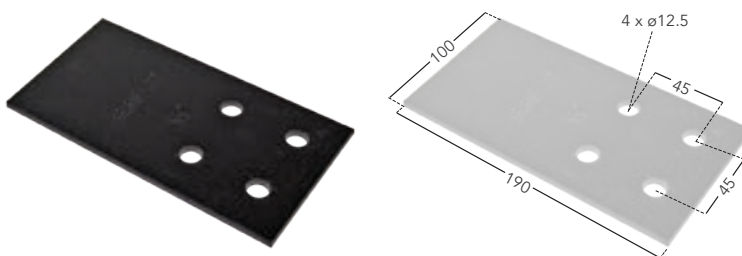
- Epoxy coated 8mm steel
- Suits: Various Volvo Chassis
- For use on steel sub-frame
- Check for suitability in all applications
- wgt. 1.70kg



## Volvo Attachment Plate

### ABMB638/VO

- Epoxy coated 6mm steel
- Suits: Various Volvo Chassis
- For use on steel sub-frame
- Check for suitability in all applications
- wgt. 1.00kg



## Disc Spring Washer

### ABMB03/100

- 1mm Steel
- Zinc plated
- 100 per pack
- Check for suitability in all applications
- wgt. 0.50kg per 100



## Disc Spring Washer

### ABMB03/14/100

- 1.5mm Steel
- Phosphoric coated
- 100 per pack
- Check for suitability in all applications
- wgt. 0.80kg per 100

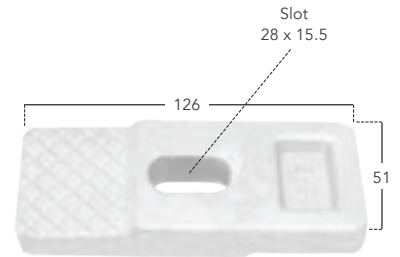


### Body Clamp

Diamond patterned face

**ABMB760/36DP**

- Suits chassis thickness: 3mm-4mm & 5mm-6mm
- Diamond patterned face
- Drop forged steel
- Galvanized
- Check for suitability in all applications
- wgt. 0.54kg

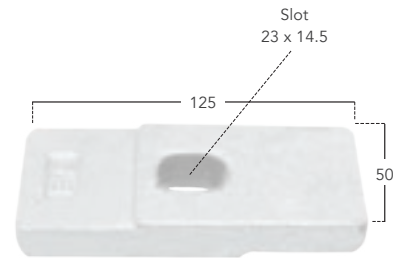


### Body Clamp

Smooth face

**ABMB760/48**

- Suits chassis thickness: 4mm-5mm & 5mm-8mm
- Smooth face
- Drop forged steel
- Galvanized
- Check for suitability in all applications
- wgt. 0.83kg

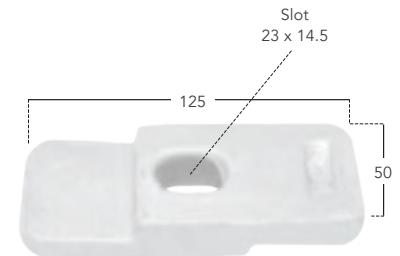


### Body Clamp

Smooth face

**ABMB760/712**

- Suits chassis thickness: 7mm-8mm & 10mm-12mm
- Smooth face
- Drop forged steel
- Galvanized
- Check for suitability in all applications
- wgt. 0.70kg

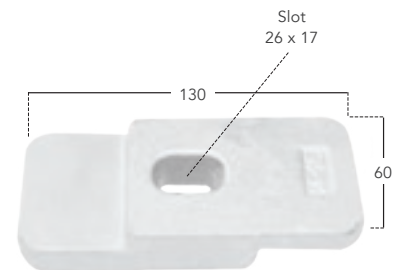


### Body Clamp

Smooth face

**ABMB760/1016**

- Suits chassis thickness: 10mm-12mm & 14mm-16mm
- Smooth face
- Drop forged steel
- Galvanized
- Check for suitability in all applications
- wgt. 0.96kg



## Balata Belting – 10 Metre Rolls

### ABMBB3/50

- 50mm x 3 Ply
- wgt. 2.10kg

- 10 Metre roll
- Offers excellent weathering properties and resistance to ageing
- 3 Ply thickness = 3.75mm (approx.)
- 5 Ply thickness = 7.00mm (approx.)

### ABMBB5/50

- 50mm x 5 Ply
- wgt. 3.82kg



## Balata Belting – 30 Metre Rolls

### ABMBB3/50/30

- 50mm x 3 Ply
- wgt. 6.58kg

- 30 Metre roll
- Offers excellent weathering properties and resistance to ageing
- 3 Ply thickness = 3.75mm (approx.)

### ABMBB3/75/30

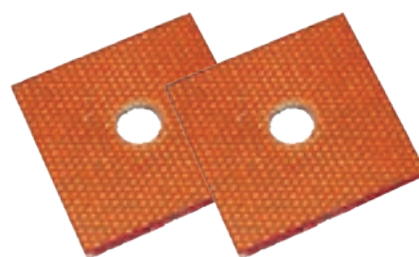
- 75mm x 3 Ply
- wgt. 9.80kg



## Balata Packing Washer – 3 Ply

### ABMBB3/SQ

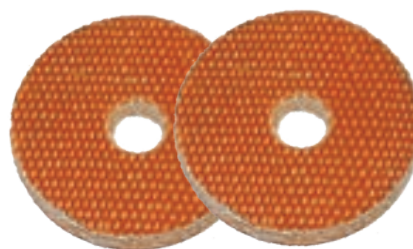
- 50mm x 50mm x 3 Ply
- ø12mm Hole
- Offers excellent weathering properties and resistance to ageing
- 3 Ply thickness = 3.75mm (approx.)
- wgt. 0.014kg



## Balata Packing Washer – 5 Ply

### ABMBB5/RD

- ø50mm x 5 Ply
- ø12mm Hole
- Offers excellent weathering properties and resistance to ageing
- 5 Ply thickness = 7.00mm (approx.)
- wgt. 0.014kg



## Balata Packing Washer – 3 Ply

### ABMBB3/68RD

- ø68mm x 3 Ply
- wgt. 0.020kg

### ABMBB3/85RD

- ø85mm x 3 Ply
- wgt. 0.026kg

- ø16mm Hole
- Offers excellent weathering properties and resistance to ageing
- Suitable for use with single bolt wing stays – see page 212
- 3 Ply thickness = 3.75mm (approx.)

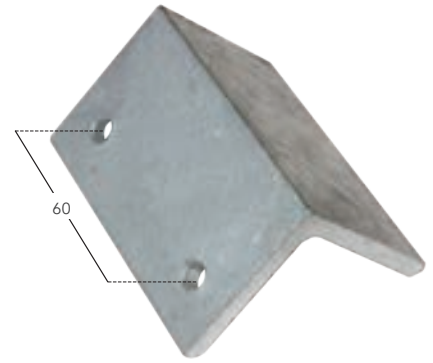
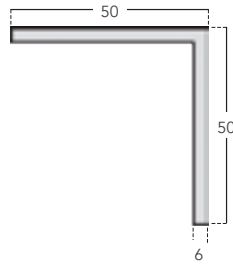


### Bearer Cleat Plate

Universal – Galvanized

**ABMB9050/6/UNIGV**

- L90 x W50 x D50 x T6mm
- Galvanized
- Universal fitment (non-handed)
- 2 x ø6.5mm Fixing holes
- Supplied individually
- wgt. 0.38kg

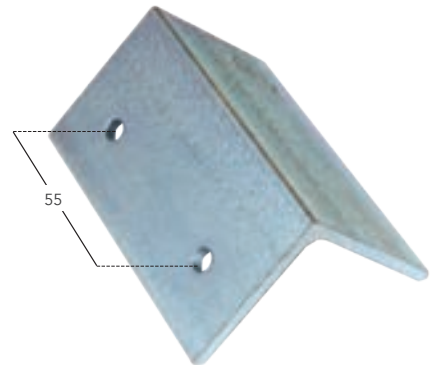
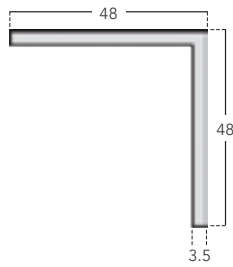


### Bearer Cleat Plate

Universal – Zinc Plated

**ABMB9548/6/UNIZP**

- L95 x W48 x D48 x T3.5mm
- Zinc plated
- Universal fitment (non-handed)
- 2 x ø6.5mm Fixing holes
- Supplied individually
- wgt. 0.27kg

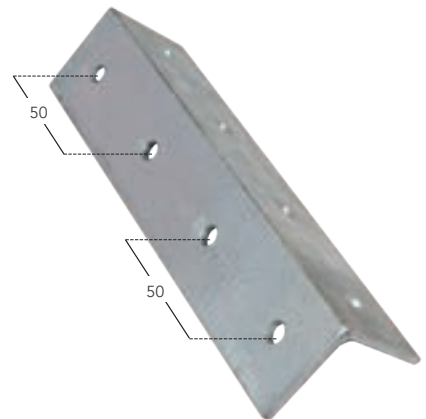
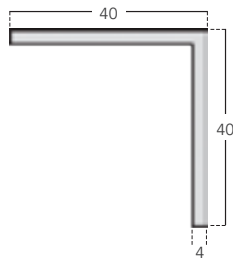


### Runner Bearer Bracket

Universal – Galvanized

**ABMB19040/6/UNIGV**

- L190 x W40 x D40 x T4mm
- Galvanized
- Suits: 100mm runner / 100mm bearer
- Universal fitment (non-handed)
- 8 x ø6.5mm Fixing holes
- Supplied individually
- wgt. 0.41kg

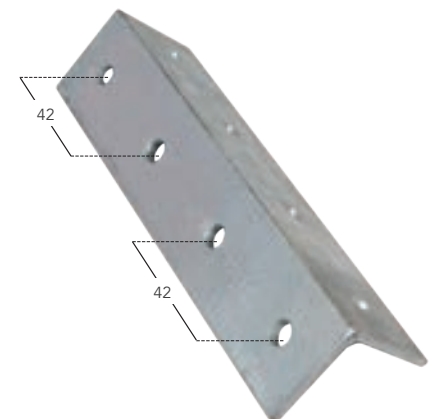
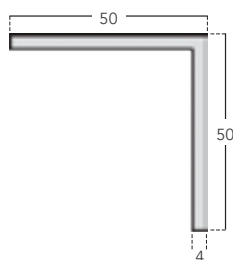


### Runner Bearer Bracket

Universal – Galvanized

**ABMB19050/8/UNIGV**

- L190 x W50 x D50 x T4mm
- Galvanized
- Suits: 100mm runner / 100mm bearer
- Universal fitment (non-handed)
- 8 x ø8.5mm Fixing holes
- Supplied individually
- wgt. 0.54kg

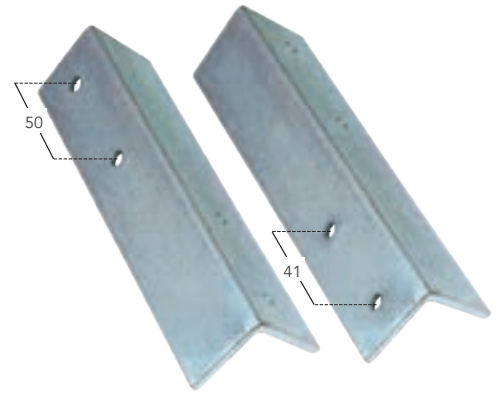
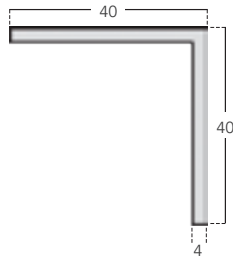


## Runner Bearer Bracket

Zinc Plated

### ABMB16540/6/PRZP

- L165 x W40 x D40 x T4mm
- Zinc plated
- Suits: 100mm runner / 75mm bearer
- 4 x  $\varnothing$ 6.5mm Fixing holes per bracket
- Supplied in pairs
- wgt. 0.68kg

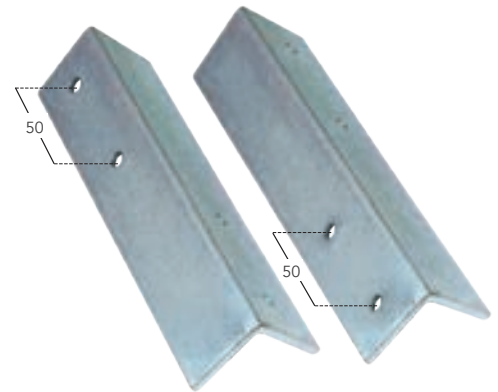
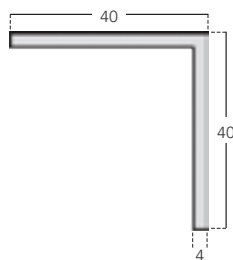


## Runner Bearer Bracket

Zinc Plated

### ABMB19040/6/PRZP

- L190 x W40 x D40 x T4mm
- Zinc plated
- Suits: 100mm runner / 100mm bearer
- 4 x  $\varnothing$ 6.5mm Fixing holes per bracket
- Supplied in pairs
- wgt. 0.81kg

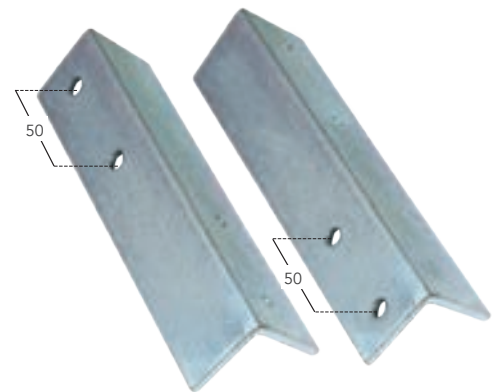
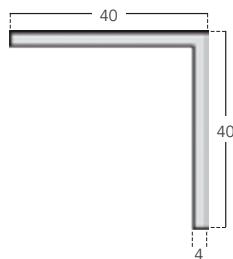


## Runner Bearer Bracket

Zinc Plated

### ABMB19040/8/PRZP

- L190 x W40 x D40 x T4mm
- Zinc plated
- Suits: 100mm runner / 100mm bearer
- 4 x  $\varnothing$ 8.5mm Fixing holes per bracket
- Supplied in pairs
- wgt. 0.85kg

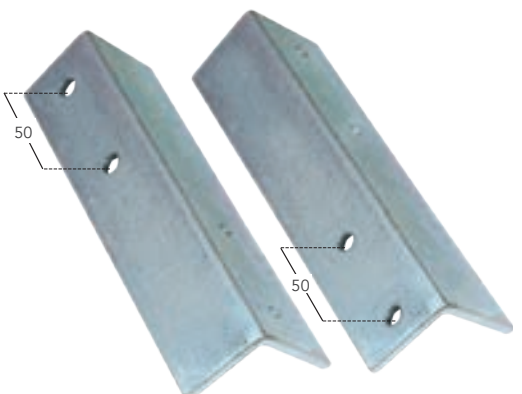
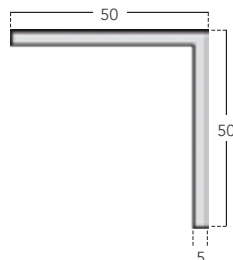


## Runner Bearer Bracket

Zinc Plated

### ABMB19050/8/PRZP

- L190 x W50 x D50 x T5mm
- Zinc plated
- Suits: 100mm runner / 100mm bearer
- 4 x  $\varnothing$ 8.5mm Fixing holes per bracket
- Supplied in pairs
- wgt. 1.26kg

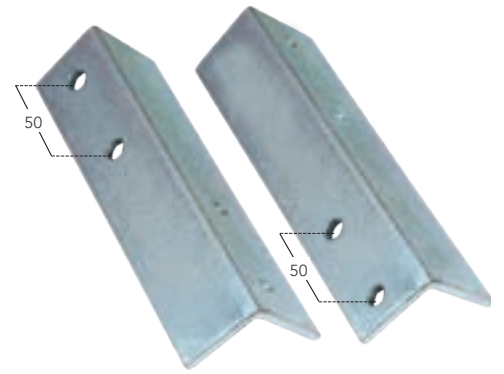
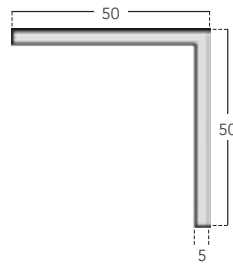


### Runner Bearer Bracket

Zinc Plated

**ABMB19050/10/PRZP**

- L190 x W50 x D50 x T5mm
- Zinc plated
- Suits: 100mm runner / 100mm bearer
- 4 x ø10mm Fixing holes per bracket
- Supplied in pairs
- wgt. 1.26kg

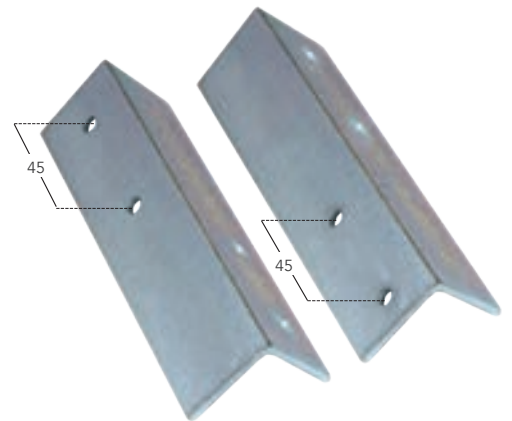
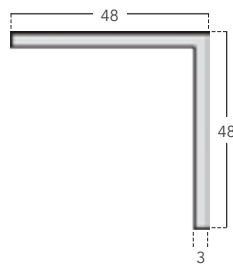


### Runner Bearer Bracket

Galvanized

**ABMB19050/6/PRGV**

- L190 x W50 x D50 x T3mm
- Galvanized
- Suits: 100mm runner / 100mm bearer
- 4 x ø6.5mm Fixing holes per bracket
- Supplied in pairs
- wgt. 1.03kg

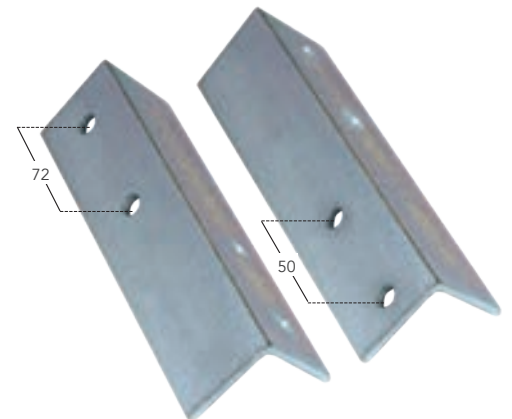
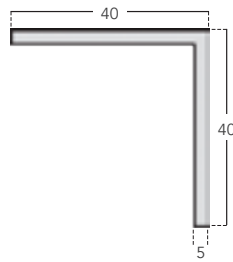


### Runner Bearer Bracket

Galvanized

**ABMB22050/10/PRGV**

- L220 x W50 x D50 x T5mm
- Galvanized
- Suits: 125mm runner / 100mm bearer
- 4 x ø10mm Fixing holes per bracket
- Supplied in pairs
- wgt. 1.44kg

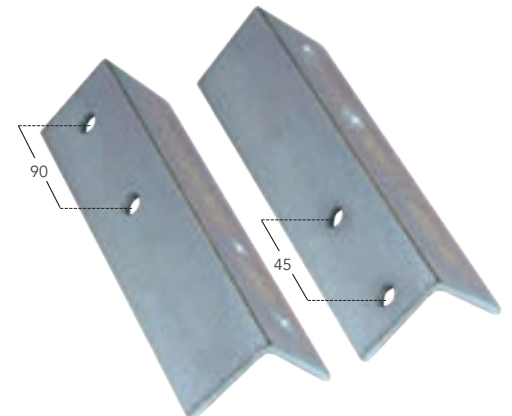
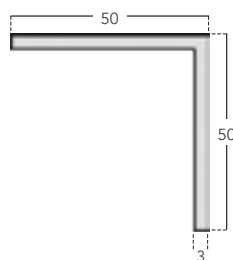


### Runner Bearer Bracket

Galvanized

**ABMB24050/8/PRGV**

- L240 x W50 x D50 x T3mm
- Galvanized
- Suits: 150mm runner / 100mm bearer
- 4 x ø8.5mm Fixing holes per bracket
- Supplied in pairs
- wgt. 1.08kg

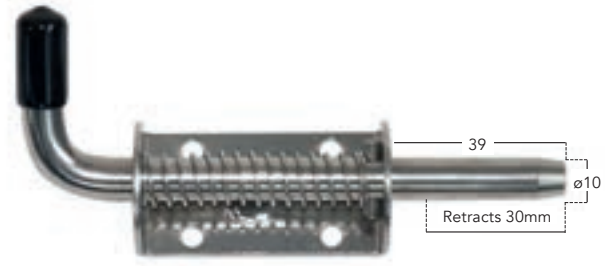


## Spring Loaded Bolt

Stainless Steel – Light Duty Bracket

### BOLT114/10SS

- Bolt:  $\varnothing 10\text{mm}$
- Bracket: L58mm x W30mm x T1.8mm
- Fixing holes: 4 x  $\varnothing 5.0\text{mm}$
- Raised pressing in bracket base to retain bolt when in use
- 304G Stainless steel
- wgt. 0.13kg



## Spring Loaded Bolt

Stainless Steel – Medium Duty Bracket

### BOLT244/10SS

- Bolt:  $\varnothing 10\text{mm}$
- Bracket: L72mm x W40mm x T2.8mm
- Fixing holes: 4 x  $\varnothing 7.0\text{mm}$
- Raised pressing in bracket base to retain bolt when in use
- 304G Stainless steel
- wgt. 0.20kg

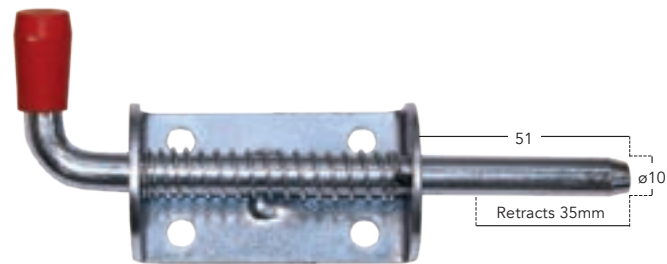


## Spring Loaded Bolt

Zinc Plated – Medium Duty Bracket

### BOLT244/10

- Bolt:  $\varnothing 10\text{mm}$
- Bracket: L72 x W40 x T2.8mm
- Fixing holes: 4 x  $\varnothing 7.0\text{mm}$
- Raised pressing in bracket base to retain bolt when in use
- wgt. 0.20kg



## Spring Loaded Bolt

Zinc Plated – Medium Duty Bracket

### BOLT244/12P

- Bolt:  $\varnothing 12\text{mm}$
- Bracket: L86 x W41 x T4.0mm
- Fixing holes: 4 x  $\varnothing 5.5\text{mm}$
- Raised pressing in bracket base to retain bolt when in use
- wgt. 0.36kg

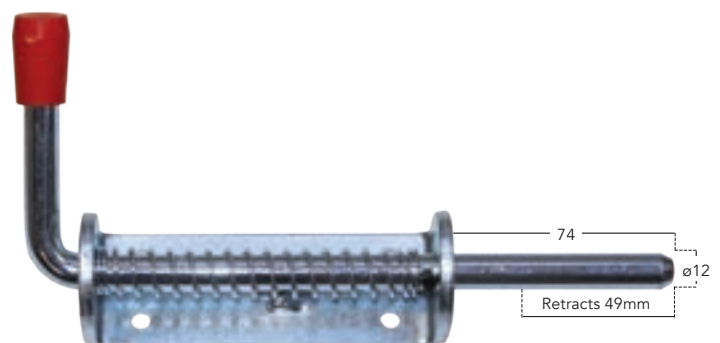


## Spring Loaded Bolt

Zinc Plated – Heavy Duty Bracket

### BOLT244/12

- Bolt:  $\varnothing 12\text{mm}$
- Bracket: L122 x W40 x T5.0mm
- Fixing holes: 4 x  $\varnothing 6.5\text{mm}$
- Raised pressing in bracket base to retain bolt when in use
- wgt. 0.51kg



## Spring Loaded Bolt

Zinc Plated – Heavy Duty Bracket

### BOLT244/16

- Bolt:  $\varnothing 16\text{mm}$
- Bracket: L133 x W50 x T5.0mm
- Fixing holes: 4 x  $\varnothing 6.5\text{mm}$
- Raised pressing in bracket base to retain bolt when in use
- wgt. 0.93kg



## Spring Loaded Bolt (Weld-on)

Zinc Plated / Self Colour – Heavy Duty Bracket

### BOLT244/12PWB

- Bolt:  $\varnothing 12\text{mm}$
- Weld on bracket: L75 x W28 x T4.8mm
- Zinc plated bolt / self colour bracket
- Raised pressing in bracket base to retain bolt when in use
- wgt. 0.30kg



## Spring Loaded Bolt

Zinc Plated - Heavy Duty Bracket

### BOLT455/12

- Bolt:  $\varnothing 12\text{mm}$
- Bracket: L75mm x W40mm x T5.0mm
- Countersunk fixing holes: 4 x  $\varnothing 6.0\text{mm}$
- Raised pressing in bracket base to retain bolt when in use
- Cover available, see page 24
- wgt. 0.35kg



## Spring Loaded Bolt

Stainless Steel - Heavy Duty Bracket

### BOLT455/12SS

- Bolt:  $\varnothing 12\text{mm}$
- Bracket: L75mm x W40mm x T4.0mm
- Countersunk fixing holes: 4 x  $\varnothing 6.0\text{mm}$
- Raised pressing in bracket base to retain bolt when in use
- 304G Stainless steel
- Cover available, see page 24
- wgt. 0.35kg

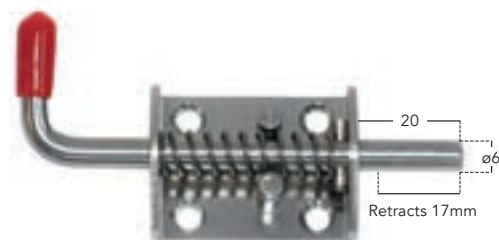


## Spring Loaded Bolt

Stainless Steel – Light Duty Bracket

### BOLT444/06SS

- Bolt:  $\varnothing 6$ mm
- Bracket: L40mm x W30mm x T2.0mm
- Fixing holes: 4 x  $\varnothing 4.5$ mm countersunk
- 2 Pins fixed-in the bracket base to retain bolt when in use
- 304G Stainless steel
- wgt. 0.05kg

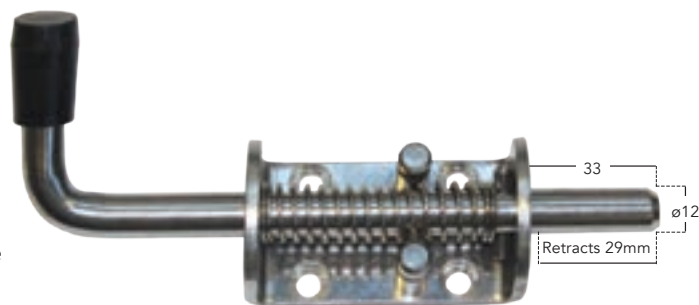


## Spring Loaded Bolt

Stainless Steel – Heavy Duty Bracket

### BOLT444/12SS

- Bolt:  $\varnothing 12$ mm
- Bracket: L75 x W40 x T4.0mm
- Fixing holes: 4 x  $\varnothing 6$ mm countersunk
- 2 Pins fixed-in the bracket base to retain bolt when in use
- 304G Stainless steel
- Cover available, see below • wgt. 0.35kg

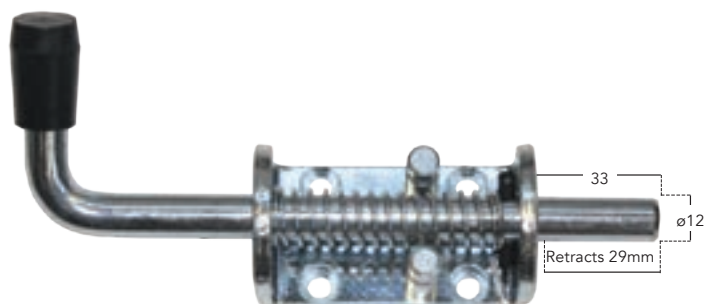


## Spring Loaded Bolt

Zinc Plated – Heavy Duty Bracket

### BOLT444/12

- Bolt:  $\varnothing 12$ mm
- Bracket: L75 x W40 x T5.0mm
- Fixing holes: 4 x  $\varnothing 6$ mm countersunk
- 2 Pins fixed-in the bracket base to retain bolt when in use
- Cover available, see below • wgt. 0.35kg

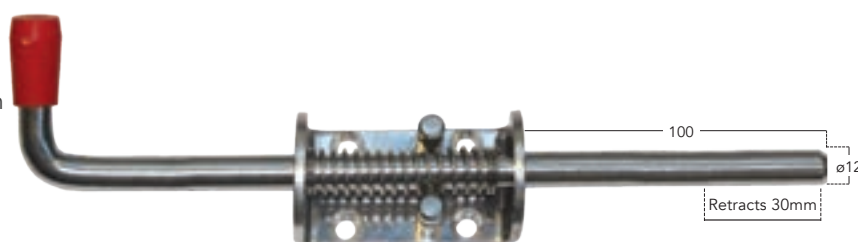


## Spring Loaded Bolt (Long Reach)

Stainless Steel – Heavy Duty Bracket

### BOLT444/EX/12SS

- Bolt:  $\varnothing 12$ mm • Bracket: L75 x W40 x T4.0mm
- Fixing holes: 4 x  $\varnothing 6$ mm countersunk
- 2 Pins fixed-in the bracket base to retain bolt when in use
- 304G Stainless steel
- Cover available, see below • wgt. 0.43kg



## Spring Bolt Cover

Flexible Grey Plastic

### BOLT44455/GRY

- Size: L77 x W44 x H38mm
- Easy to fit once bolt is mounted
- Suitable for use with:  
**BOLT455/12, BOLT455/12SS, BOLT444/12,  
BOLT444/12SS & BOLT444/EX/12SS**
- wgt. 0.05kg

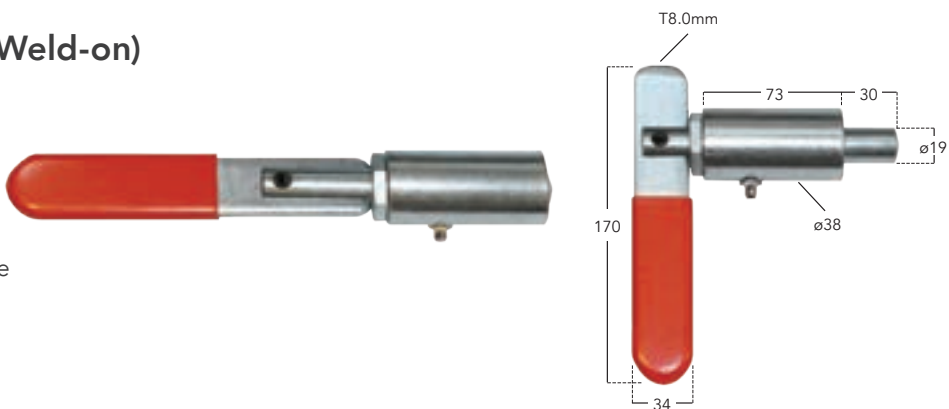


### Spring Loaded Lock Bolt (Weld-on)

Zinc Plated

**BOLT228/19ZP**

- Bolt:  $\varnothing 19\text{mm}$
- Housing: L73 x  $\varnothing 38\text{mm}$
- Supplied complete with grease nipple
- Heavy duty internal spring
- wgt. 0.95kg

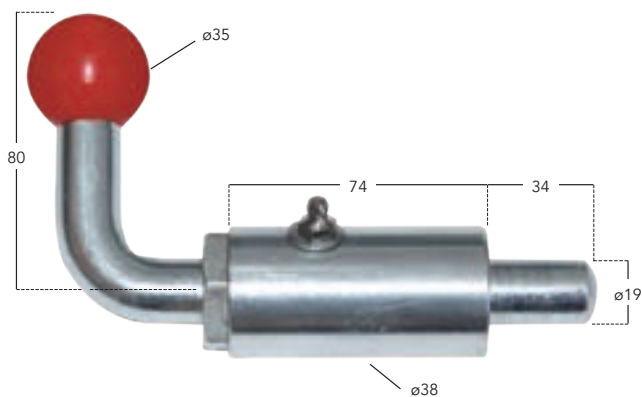


### Spring Loaded Bolt (Weld-on)

Zinc Plated

**BOLT233/19ZP**

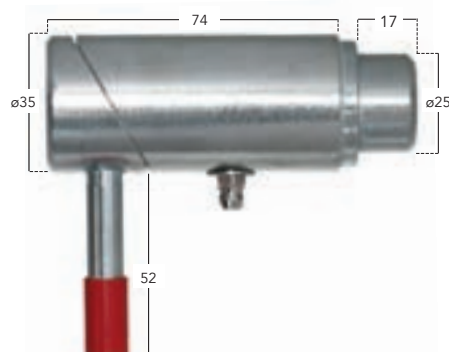
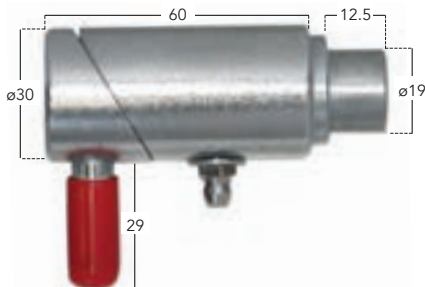
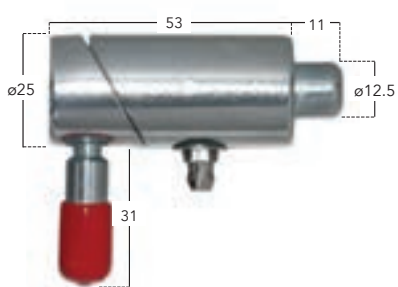
- Bolt:  $\varnothing 19\text{mm}$
- Housing: L74 x  $\varnothing 38\text{mm}$
- Supplied complete with grease nipple
- Heavy duty internal spring
- wgt. 0.84kg



### Spring Loaded Twist Bolt (Weld-on)

Zinc plated

Open position



**BOLT255/12ZP**

- Bolt:  $\varnothing 12.5\text{mm}$
- Housing: L53 x  $\varnothing 25\text{mm}$
- Supplied complete with grease nipple
- Heavy duty internal spring
- wgt. 0.21kg

**BOLT255/19ZP**

- Bolt:  $\varnothing 19\text{mm}$
- Housing: L60 x  $\varnothing 30\text{mm}$
- Supplied complete with grease nipple
- Heavy duty internal spring
- wgt. 0.36kg

**BOLT255/25ZP**

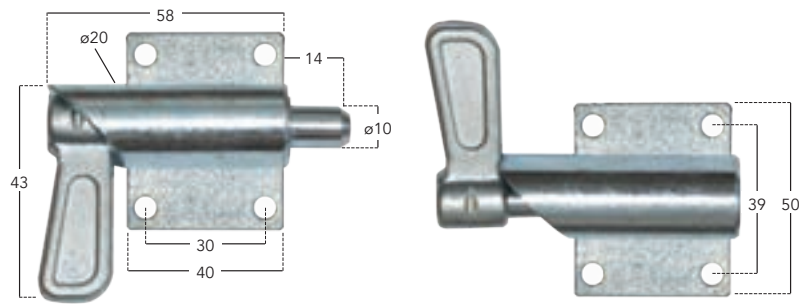
- Bolt:  $\varnothing 25\text{mm}$
- Housing: L74 x  $\varnothing 35\text{mm}$
- Supplied complete with grease nipple
- Heavy duty internal spring
- wgt. 0.59kg

## Spring Loaded Barrel Bolt (Bolt-on)

Zinc Plated

### BOLT265/10BP

- Bolt:  $\varnothing 10\text{mm}$
- Barrel: L58mm
- Back plate: W40 x L50mm
- 4 x  $\varnothing 5.2\text{mm}$  Fixing holes
- Internal spring
- Crimped on handle, cannot be dismantled
- wgt. 0.16kg

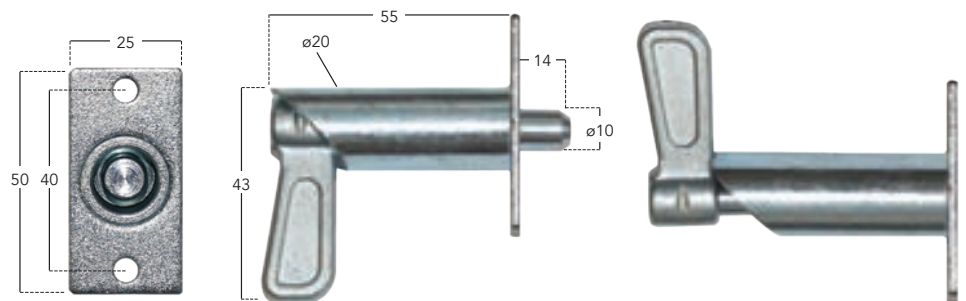


## Spring Loaded Barrel Bolt (Bolt-on)

Zinc Plated

### BOLT265/10FP

- Bolt:  $\varnothing 10\text{mm}$
- Barrel: L55mm
- Front plate: W25 x L50mm
- 2 x  $\varnothing 5.2\text{mm}$  Fixing holes
- Internal spring
- Crimped on handle, cannot be dismantled
- wgt. 0.15kg

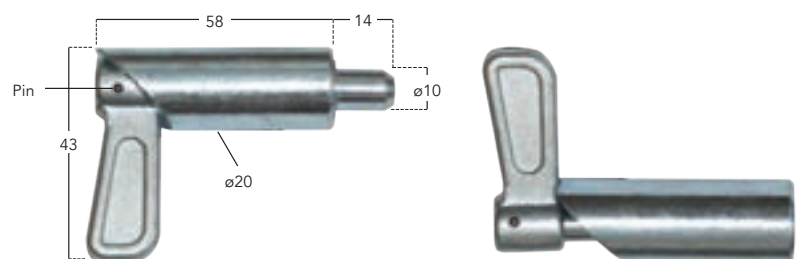


## Spring Loaded Barrel Bolt (Weld-on)

Zinc Plated

### BOLT265/10PN

- Bolt:  $\varnothing 10\text{mm}$
- Barrel: L58mm
- Internal spring
- Handle secured by a pin, can be dismantled if required
- wgt. 0.14kg

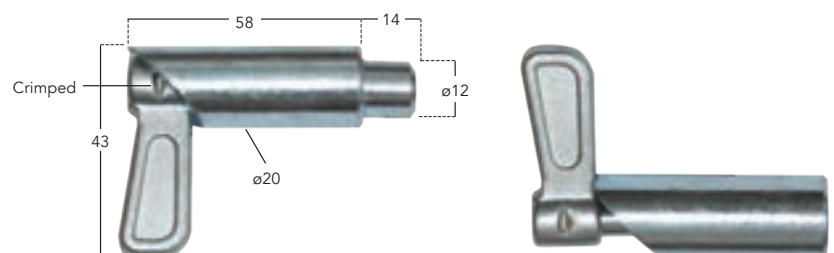


## Spring Loaded Barrel Bolt (Weld-on)

Zinc Plated

### BOLT265/12NP

- Bolt:  $\varnothing 12\text{mm}$
- Barrel: L58mm
- Internal spring
- Crimped on handle, cannot be dismantled
- wgt. 0.18kg

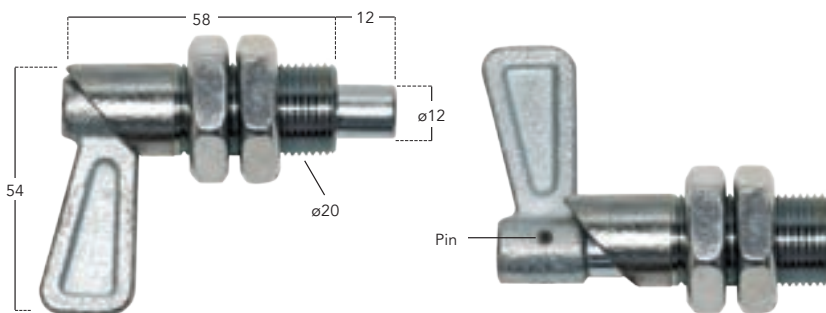


### Spring Loaded Barrel Bolt (Bolt-on)

Zinc Plated

**BOLT266/12**

- Bolt:  $\varnothing 12\text{mm}$
- Barrel: L58 x  $\varnothing 20\text{mm}$
- Supplied with 2 x M20 nuts
- Internal spring
- Handle secured by a pin, can be dismantled if required
- wgt. 0.18kg

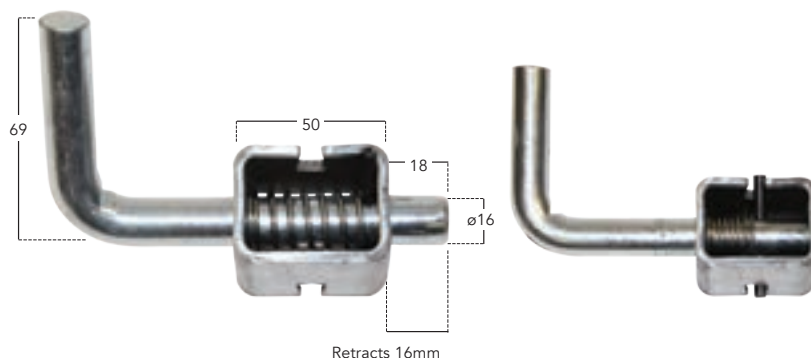


### Spring Loaded Bolt (Weld-on)

Self colour housing / Zinc Plated

**BOLT230/16**

- Bolt:  $\varnothing 16\text{mm}$
- Housing: L50 x W40 x D33 x T3.8mm
- Internal spring
- wgt. 0.42kg

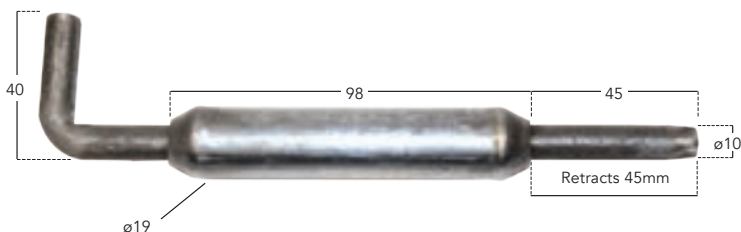


### Spring Loaded Bolt (Weld-on)

Self Colour

**BOLT274/10SC**

- Bolt:  $\varnothing 10\text{mm}$
- Housing: L98 x  $\varnothing 19\text{mm}$
- Internal spring
- wgt. 0.16kg

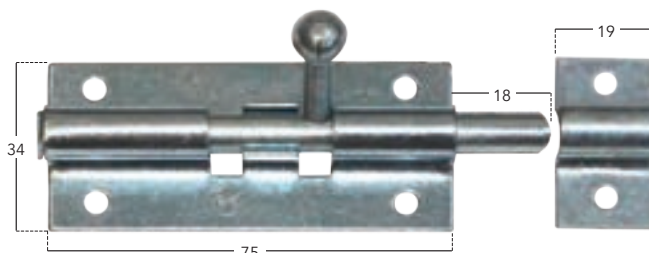


### Spring Loaded Bolt

Zinc Plated

**BOLT40/75**

- L75 x W34 x T1.3mm
- Bolt:  $\varnothing 8\text{mm}$
- Fixing holes: 4 x  $\varnothing 4\text{mm}$
- Internal spring
- wgt. 0.07kg

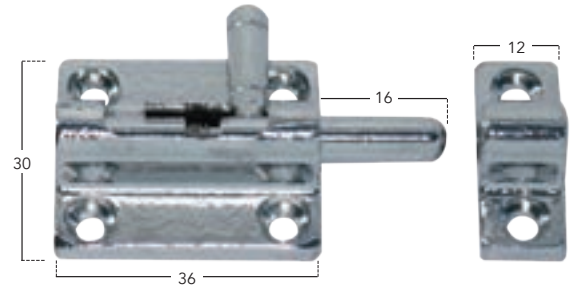


## Spring Loaded Bolt (Bolt-on)

Chromium Plated Brass

### BOLT104

- L36 x W30 x T4.0mm
- Bolt:  $\varnothing$ 6.3mm
- Fixing holes: 4 x  $\varnothing$ 4mm
- Internal spring
- wgt. 0.05kg

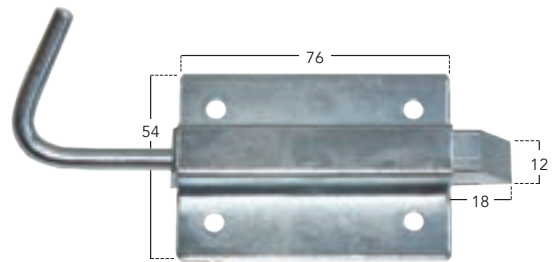


## Monkey Tail Slam Bolt

Zinc Plated

### BOLT2482/ZP

- L76 x W54 x T3.2mm
- Fixing holes: 4 x  $\varnothing$ 5.5mm
- Internal spring
- wgt. 0.19kg

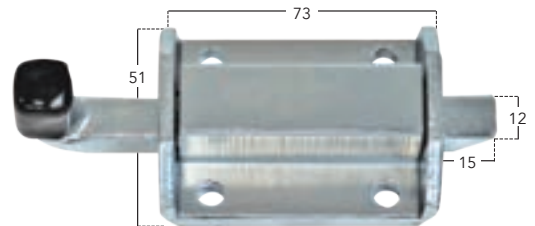


## Slam Shoot Bolt

Zinc Plated

### BOLT7351/ZP

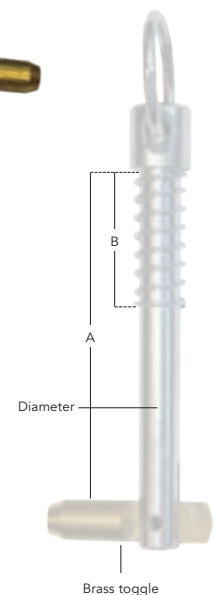
- L73 x W51 x T4.5mm
- Reversed bolt
- Fixing holes: 4 x  $\varnothing$ 7.0mm
- Finger pull
- Internal spring
- wgt. 0.36kg



## Spring Loaded Sword Pin with Chain

Zinc Plated

- All sword pins are supplied with  $\varnothing$ 40mm welded ring & 190mm x 3mm chain & chain tab
- Brass toggle, alleviates corrosion/seizing issues



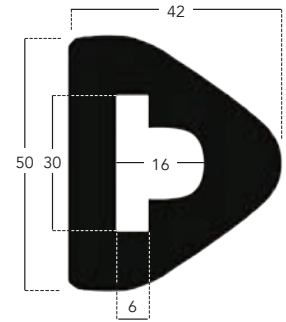
| Part No.    | A (mm) | B (mm) | Diameter (mm) | Weight (kg) |
|-------------|--------|--------|---------------|-------------|
| AMSC206/63  | 63     | 35     | 10            | 0.11        |
| AMSC206/73  | 73     | 35     | 10            | 0.12        |
| AMSC206/90  | 90     | 40     | 12            | 0.22        |
| AMSC206/100 | 100    | 40     | 12            | 0.23        |
| AMSC206/114 | 114    | 59     | 16            | 0.35        |

### 'D' Fender

Mini

**RUBF3050/2550**

- L2550 x W50 x D42mm
- Un-drilled
- 10mm Base thickness
- Hardness: 75-85° shore A
- All sizes are approximate
- wgt. 6.12kg

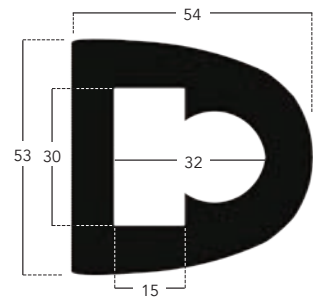


### 'D' Fender

Mini

**RUBF3053/2550**

- L2550 x W53 x D54mm
- Un-drilled
- 10mm Base thickness
- Hardness: 75-85° shore A
- All sizes are approximate
- wgt. 7.14kg

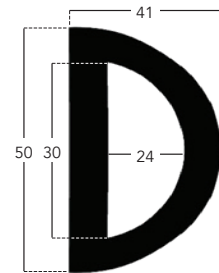


### 'D' Fender

Mini

**RUBF21/8B**

- L2438 x W50 x D41mm
- Un-drilled
- 9mm Base thickness
- Hardness: 75-85° shore A
- All sizes are approximate
- wgt. 4.50kg

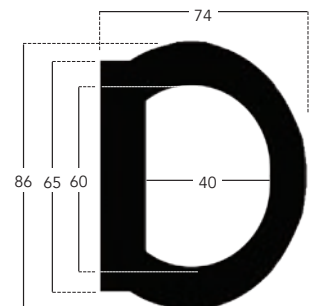


### 'D' Fender

Medium

**RUBF8033**

- L2550 x W86 x D74mm
- Un-drilled
- 20mm Base thickness
- Hardness: 75-85° shore A
- All sizes are approximate
- wgt. 10.61kg

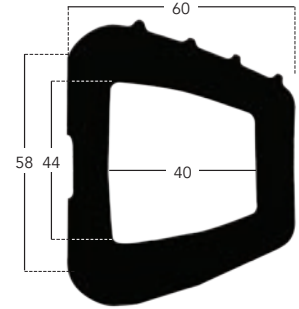
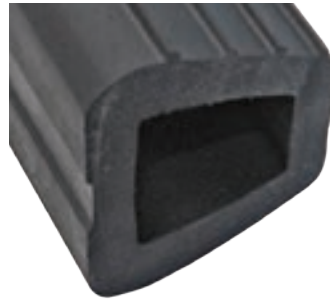


**'D' Fender**

Medium

**RUBF6075/2550GP**

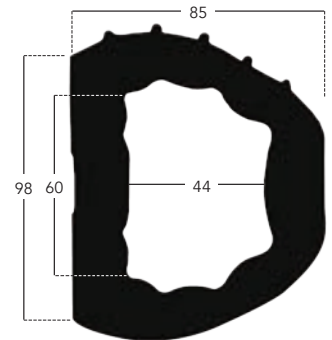
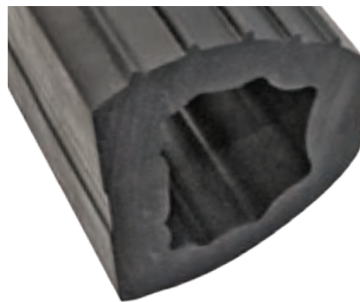
- L2550 x W75 x D60mm
- Complete with grip-tread
- Un-drilled
- 12mm Base thickness
- Hardness: 75-85° shore A
- All sizes are approximate
- wgt. 10.96kg

**'D' Fender**

Large

**RUBF6085/2550GP**

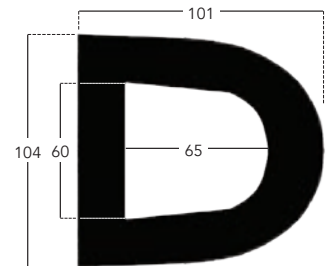
- L2550 x W98 x D85mm
- Complete with grip-tread
- Un-drilled
- 18mm Base thickness
- Hardness: 75-85° shore A
- All sizes are approximate
- wgt. 19.63kg

**'D' Fender**

Large

**RUBF832/08**

- L2550 x W104 x D101mm
- Un-drilled
- 19mm Base thickness
- Hardness: 75-85° shore A
- All sizes are approximate
- wgt. 16.00kg

**'D' Fender**

Large

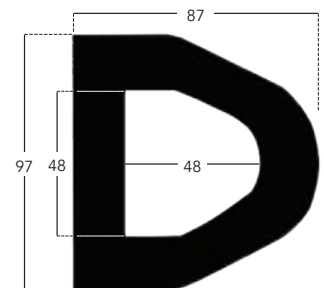
**RUBF834**

- L850 x W97 x D87mm
- wgt. 4.61kg

- Un-drilled
- 16mm Base thickness
- Hardness: 75-85° shore A
- All sizes are approximate

**RUBF834/08**

- L2550 x W97 x D87mm
- wgt. 14.00kg



## Trailer Buffer

Heavy Duty

**RUBF1016**

- L365 x W100 x D115mm
- Hole centres: 200mm
- 2 x  $\varnothing$ 12mm Fixing holes
- Supplied with steel washers in fixing holes
- wgt. 3.55kg



## Trailer Buffer

Heavy Duty

**RUBF1075**

- L250 x W80 x D80mm
- Hole centres: 120mm
- 2 x  $\varnothing$ 12mm Fixing holes
- Supplied with steel washers in fixing holes
- wgt. 1.52kg



## Trailer Buffer

Heavy Duty

**RUBF1085**

- L195 x W80 x D80mm
- Hole centres: 90mm
- 2 x  $\varnothing$ 12mm Fixing holes
- Supplied with steel washers in fixing holes
- wgt. 1.26kg



## Trailer Buffer

Heavy Duty

**RUBF200150**

- L200 x W150 x D82mm
- Hole centres: 117 x 78mm
- 4 x  $\varnothing$ 10.5mm Fixing holes
- Supplied with steel washers in fixing holes
- wgt. 2.32kg



## Rectangular Buffer

Medium Duty

**RUBF1622**

- L406 x W54 x D50mm
- Hole centres: 160mm
- 3 x  $\varnothing$ 10mm Fixing holes
- Supplied with steel washers in fixing holes
- wgt. 1.22kg



## Rectangular Buffer

Medium Duty

**RUBF1222**

- L295 x W50 x D50mm
- Hole centres: 112mm
- 3 x  $\varnothing$ 10mm Fixing holes
- Supplied with steel washers in fixing holes
- wgt. 0.84kg



## Rectangular Buffer

Medium Duty

**RUBF1022**

- L250 x W52 x D50mm
- Hole centres: 88mm
- 3 x  $\varnothing$ 10mm Fixing holes
- Supplied with steel washers in fixing holes
- wgt. 0.78kg

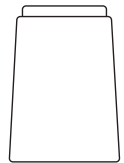


## Tapered Buffer

Medium Duty

**RUBF1725**

- Base: L450 x W40 (tapers to W37) x D60mm
- Hole centres: 120mm
- 4 x  $\varnothing$ 8.5mm Fixing holes
- Supplied with steel washers in fixing holes
- wgt. 1.46kg



Tapered end

## Rectangular Buffer

Medium Duty

**RUBF822**

- L200 x W52 x D50mm
- Hole centres: 115mm
- 2 x  $\varnothing$ 10mm Fixing holes
- Supplied with steel washers in fixing holes
- wgt. 0.64kg



## Rectangular Buffer

Medium Duty

**RUBF622**

- L152 x W52 x D46mm
- Hole centres: 75mm
- 2 x  $\varnothing$ 10mm Fixing holes
- Supplied with steel washers in fixing holes
- wgt. 0.41kg



## Horsebox Ramp Buffer Foot

Polished Stainless Steel

### RUBF511/RFSS

- L160 x W41 x H137mm (full dimensions on page 68)
- 5mm 304G Stainless steel angled bracket
- 2 x  $\varnothing$ 9mm Fixing holes
- Corrosion resistant
- Supplied complete with RUBF511/EC buffer fitted
- wgt. 0.90 kg



## Rectangular Domed Buffer

Medium Duty

### RUBF511

- L125 x W44 x D48mm
- Hole centres: 65mm
- 2 x  $\varnothing$ 8mm Fixing holes
- Supplied with steel washers in fixing holes
- wgt. 0.30kg



## Rectangular Buffer

Medium Duty

### RUBF511/EC

- L124 x W41 x D42mm
- Hole centres: 65mm
- 2 x  $\varnothing$ 8mm Fixing holes
- Economy type (cavity in base)
- wgt. 0.23kg



## Tapered Buffer

Medium Duty

### RUBF1097

- Base: L120 (tapers to L107) x W75 x D87mm
- Hole centres: 64mm
- 2 x  $\varnothing$ 10mm Fixing holes
- Supplied with steel washers in fixing holes
- wgt. 0.79kg



## Tapered Buffer

Medium Duty

### RUBF1129

- Base: L150 (tapers to L137) x W100 x D94mm
- Hole centres: 90mm
- 2 x  $\varnothing$ 15mm Fixing holes
- Supplied with steel washers in fixing holes
- wgt. 1.48kg



## Domed Buffer

Medium Duty

**RUBF531**

- L127 x W75 x D44mm
- Hole centres: 67 x 30mm
- 4 x ø8mm Fixing holes
- Supplied with steel washers in fixing holes
- wgt. 0.45kg

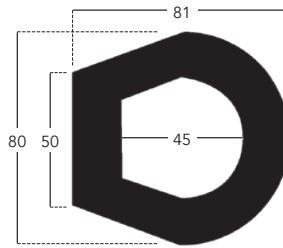


## 'D' Buffer

Medium Duty

**RUBF833**

- L205 x W80 x D81mm
- Hole centres: 134mm
- 2 x ø10mm Fixing holes
- wgt. 1.07kg



## Top Hat / Tail-Lift Buffer

Medium Duty

**RUBF411**

- L110 x W25 x D40mm
- Hole centres: 85mm
- 2 x ø5mm Fixing holes
- wgt. 0.10kg



## Top Hat / Tail-Lift Buffer

Medium Duty

**RUBF411/EC**

- L103 x W25 x D37mm
- Hole centres: 80mm
- 2 x ø8mm Fixing holes
- Economy type (cavity in base)
- wgt. 0.07kg



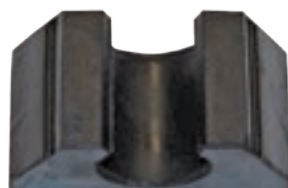
## Buffer & Bracket

Medium Duty

Buffer

**RUBFCBF400/BU**

- Buffer base: L94 x W48mm
- wgt. 0.13kg



Bracket

**RUBFCBF400/BKT**

- Bracket base: L100 x W50mm
- Self colour steel
- wgt. 0.18kg



## Oval Buffer

Deep Type

### RUBF458

- Base: L68 x W34 x D36mm
- Hole centres: 48mm
- Solid construction
- 2 x  $\varnothing 6.5$ mm Fixing holes
- wgt. 0.07kg



## Oval Buffer

Standard Type

### RUBF1008

- Base: L68 x W34 x D20mm
- Hole centres: 46mm
- Economy type (cavity in base)
- 2 x  $\varnothing 6.5$ mm Fixing holes
- wgt. 0.02kg



## Oval Buffer

Standard Type

### RUBF1008/S

- Base: L68 x W34 x D20mm
- Hole centres: 46mm
- Solid construction
- 2 x  $\varnothing 6.5$ mm Fixing holes
- wgt. 0.03kg



## Round Buffer

Large Diameter

### RUBF112/36

- H27 x  $\varnothing 36$ mm
- 1 x  $\varnothing 6.5$ mm Fixing hole
- wgt. 0.03kg



## Round Buffer

Medium Diameter

### RUBF118

- H25 x  $\varnothing 28$ mm
- 1 x  $\varnothing 6.5$ mm Fixing hole
- wgt. 0.02kg



## Micro Buffer

Light Duty

### RUBF1246

- Height: 8mm
- Base:  $\varnothing$ 22mm
- 1 x  $\varnothing$ 4mm Fixing hole
- wgt. 0.002kg



## Conical Buffer

Light Duty

### RUBF1118

- Height: 40mm
- Base:  $\varnothing$ 30mm
- Top:  $\varnothing$ 20mm
- 1 x  $\varnothing$ 6mm Fixing hole
- wgt. 0.03kg



## Conical Buffer

Medium Duty

### RUBF236

- Height: 51mm
- Base:  $\varnothing$ 85mm
- Top:  $\varnothing$ 50mm
- 1 x  $\varnothing$ 9.5mm Fixing hole
- Supplied with steel washer in fixing hole
- wgt. 0.29kg



## Refrigeration Door Conical Buffer

Medium Duty

### RUBF1875

- Height: 75mm
- Base:  $\varnothing$ 65mm
- Top:  $\varnothing$ 50mm
- 1 x  $\varnothing$ 9.5mm Fixing hole
- wgt. 0.22kg



## Roller Buffers

Horizontal Fitment

- 25mm Axle
- Raised grip-tread
- Galvanized housing

### RUBF650/1HGV

- L110 x H120 x D120mm
- 1 Roller
- 4 x  $\varnothing$ 13.0mm Fixing holes
- wgt. 3.36kg

### RUBF650/2HGV

- L190 x H120 x D120mm
- 2 Roller
- 4 x  $\varnothing$ 13.0mm Fixing holes
- wgt. 5.15kg

### RUBF650/4HGV

- L370 x H120 x D120mm
- 4 Roller
- 8 x  $\varnothing$ 13.0mm Fixing holes
- wgt. 10.95kg



## Roller Buffers

Vertical Fitment

- 25mm Axles
- Flat grip-tread
- Galvanized housing – only 80mm wide

### RUBF750/1VGV

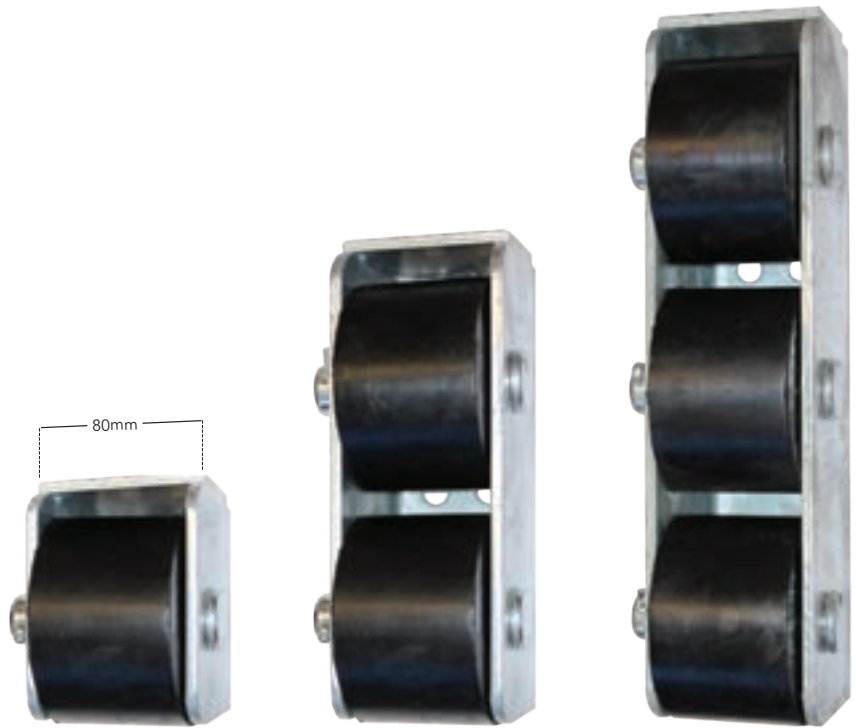
- L106 x W80 x D120mm
- 1 Roller
- 4 x ø13.0mm Fixing holes
- wgt. 3.10kg

### RUBF750/2VGV

- L226 x W80 x D120mm
- 2 Roller
- 6 x ø13.0mm Fixing holes
- wgt. 5.28kg

### RUBF750/3VGV

- L336 x W80 x D120mm
- 3 Roller
- 8 x ø13.0mm Fixing holes
- wgt. 7.70kg



## Replacement Roller Buffer

Complete with Steel Tube Support

### RUBF650/1RR

- W80 x ø100mm
- Suits: RUBF650/1HGV  
RUBF650/2HGV  
RUBF650/4HGV
- wgt. 1.44kg

### RUBF750/1RR

- W65 x ø100mm
- Suits: RUBF750/1VGV  
RUBF750/2VGV  
RUBF750/3VGV
- wgt. 1.17kg

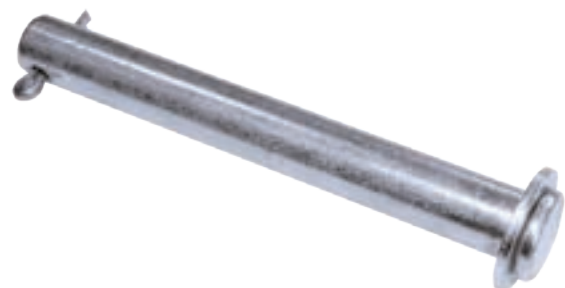


## Replacement Axle

Horizontal

### RUBF650/2AZP

- L208 x ø25mm
- Supplied with washer & split pin
- Zinc plated
- Suits RUBF650/2HGV
- Other spares available upon request
- wgt. 0.86kg



## Tipper Pad

Self Colour Steel

VP15040/8823/3S

- Plate Dimensions: L150 x W40 x T3mm
- Holes: 2 x  $\varnothing$ 7mm Holes
- Rubber Pad Dimensions: L88 x W40 x D23mm
- Pad Face: Flat
- Hardness: 73 - 80 Shore A
- Wgt. 0.23kg



## Tipper Pad

Self Colour Steel

VP15040/8823/3SP

- Plate Dimensions: L150 x W40 x T3mm
- Holes: None
- Rubber Pad Dimensions: L88 x W40 x D23mm
- Pad Face: Flat
- Hardness: 73 - 80 Shore A
- Wgt. 0.23kg



## Tipper Pad

Aluminium

VP15080/10025/5A

- Plate Dimensions: L150 x W80 x T5mm
- Holes: 4 x  $\varnothing$ 7mm Holes
- Rubber Pad Dimensions: L100 x W80 x D25mm
- Pad Face: Radius
- Hardness: 73 - 80 Shore A
- Wgt. 0.45kg



## Tipper Pad

Aluminium

VP18075/11630/5A

- Plate Dimensions: L180 x W75 x T5mm
- Holes: 2 x  $\varnothing$ 7mm Holes
- Rubber Pad Dimensions: L116 x W75 x D30mm
- Pad Face: Flat
- Hardness: 73 - 80 Shore A
- Wgt. 0.57kg



## Tipper Pad

Aluminium

VP18075/11640/5A

- Plate Dimensions: L180 x W75 x T5mm
- Holes: 2 x  $\varnothing$ 7mm Holes
- Rubber Pad Dimensions: L116 x W75 x D40mm
- Pad Face: Flat
- Hardness: 73 - 80 Shore A
- Wgt. 0.70kg



### Tipper Pad

Aluminium

VP18075/11646/4A

- Plate Dimensions: L180 x W75 x T4mm
- Holes: 2 x ø7mm Holes
- Rubber Pad Dimensions: L116 x W75 x D46mm
- Pad Face: Flat
- Hardness: 73 - 80 Shore A
- Wgt. 0.75kg



### Tipper Pad

Self Colour Steel

VP35575/28630/3S

- Plate Dimensions: L355 x W75 x T3mm
- Holes: None
- Rubber Pad Dimensions: L286 x W75 x D30mm
- Pad Face: Flat
- Hardness: 73 - 80 Shore A
- Wgt. 1.60kg



### Tipper Pad

Self Colour Steel

VP35575/28640/3S

- Plate Dimensions: L355 x W75 x T3mm
- Holes: None
- Rubber Pad Dimensions: L286 x W75 x D40mm
- Pad Face: Flat
- Hardness: 73 - 80 Shore A
- Wgt. 1.92kg




**ANTI-SLIP TAPE**  
**308**



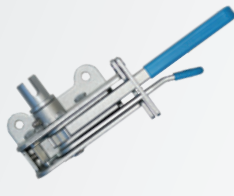
**'CUSTOM' SIDEGUARD LEGS**  
**289**



**UNDERBODY ACCESS STEPS**  
**296-304**



**LASHING RINGS**  
**179-187**



**CURTAIN TENSIONERS**  
**53-55**



**INSULATED BULKHEADS**  
**44-47**



**BODY MOUNTING BRACKETS**  
**1-21**




**HINGES**  
**151-178**

## Side Trim / Rub Rail

Rubber Trim / Aluminium Carrier

### RUBFCBF6015/25R

Flexible PVC insert

- W60 x D15mm
- Black PVC
- Supplied in 25 metre rolls
- wgt. 14.20kg

### RUBFCBF6015/AC

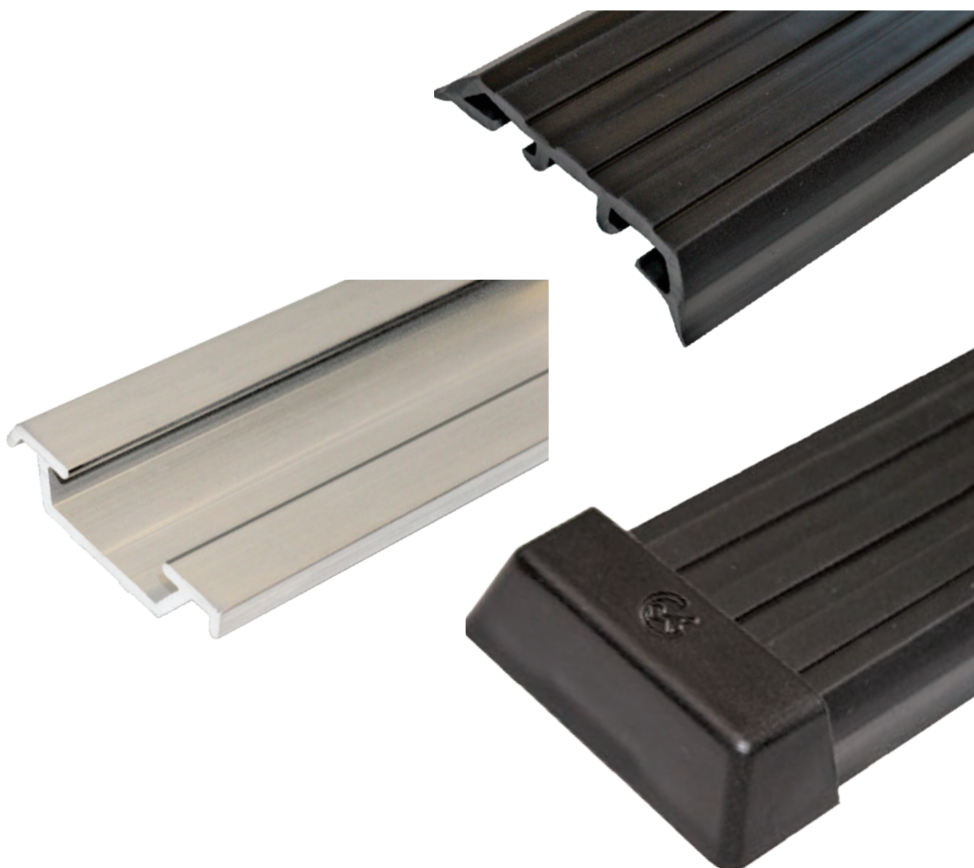
Aluminium carrier

- Supplied in 3 metre lengths
- Mill finish
- wgt. 1.15kg

### RUBFCBF6015/E

End cap

- Black plastic
- wgt. 0.008kg



## Rub Rail

PVC Trim / Aluminium Carrier

### RUBF604/15/BTI

Flexible PVC insert

- Black PVC
- Supplied in 15 metre rolls
- wgt. 5.12kg

### RUBF604/365/AC

Aluminium carrier

- Supplied in 3.65 metre lengths
- Polished anodised finish
- wgt. 2.88kg

### RUBF604/SSEC

End cap

- 304G Stainless steel
- 2 x  $\varnothing 6.2$ mm Countersunk fixing holes
- wgt. 0.17kg



## Rub Rail

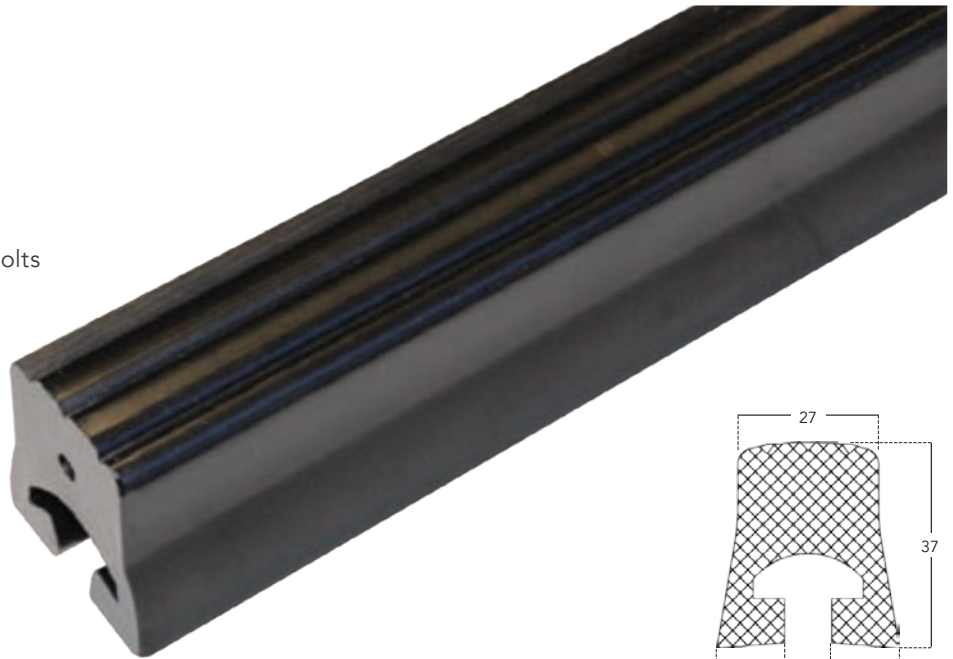
PVC Profile

### RUBF602030200/3/BP

- L3000 x W33 x D37mm
- Black PVC
- Extremely robust
- Easy to fit using 8mm cup square bolts and nyloc nuts (not supplied)
- wgt. 2.10kg



Cup square bolts required (not supplied)

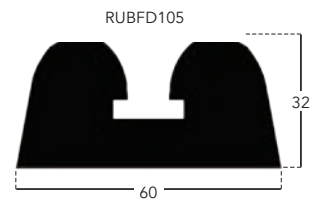
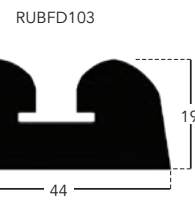
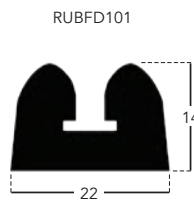


## Double 'D' Fender

Manufactured from Tough Durable Black Neoprene

### RUBFD101

- W22mm x H14mm
- Supplied in 36.57 metre coils
- Stainless steel retaining strip: 8mm wide
- wgt. 14.80kg



### RUBFD103

- W44 x H19mm
- Supplied in 30.48 metre coils
- Stainless steel retaining strip: 13mm wide
- wgt. 29.00kg

### RUBFD105

- W60 x H32mm
- Supplied in 12.19 metre coils
- Stainless steel retaining strip: 16mm wide
- wgt. 32.00kg

## End Cap

### RUBF103/E

- Suits: RUBFD103
- wgt. 0.06kg

### RUBF105/E

- Suits: RUBFD105
- wgt. 0.09kg

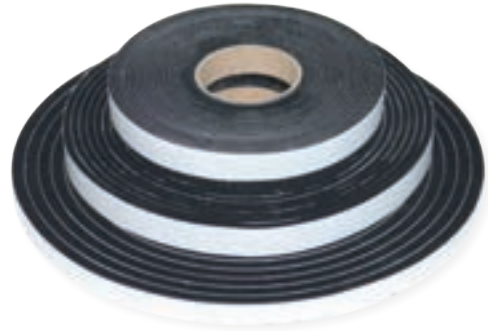


## Sponge Rubber Strip

Self Adhesive Backing

- Black closed cell expanded EPDM
- Shore hardness: 48° ± 5
- Temperature range: -40°C to +90°C
- Other sizes available upon request

| Part No.    | Width (mm) | Thickness (mm) | Length (mtr) | Weight (kg) |
|-------------|------------|----------------|--------------|-------------|
| RUMS1206/SA | 12         | 6              | 10           | 0.14        |
| RUMS1903/SA | 19         | 3              | 10           | 0.11        |
| RUMS1906/SA | 19         | 6              | 10           | 0.15        |
| RUMS1908/SA | 19         | 8              | 10           | 0.24        |
| RUMS1910/SA | 19         | 10             | 10           | 0.29        |
| RUMS2012/SA | 20         | 12             | 10           | 0.30        |
| RUMS2503/SA | 25         | 3              | 10           | 0.14        |
| RUMS2506/SA | 25         | 6              | 10           | 0.20        |



## Sponge Cord

EPDM Rubber

### RUMS25037/7

- L7mtr x ø25mm
- Closed cell, expanded EPDM
- Density: 0.37
- wgt. 0.91kg

### RUMS25037/25

- L25mtr x ø25mm
- Closed cell, expanded EPDM
- Density: 0.37
- wgt. 3.25kg



## Rubber Matting

Fine Ribbed (Corrugated Surface)

- Black SBR / NR blend rubber
- Hardness: 65-75° shore A
- Anti-slip top / cloth impression on reverse
- Low relief directional tread
- Low maintenance
- Non-slip when wet
- Ideally suited for: walkways, tread mats, runners and general purpose industrial applications
- Other sizes available upon request

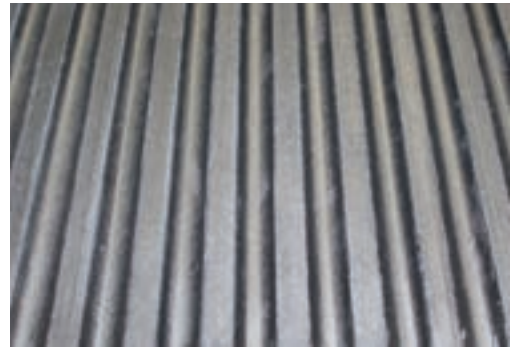
| Part No.       | Width (mm) | Thickness (mm) | Length (mtr) | Weight (kg) |
|----------------|------------|----------------|--------------|-------------|
| RUMS36/FF      | 910        | 3              | 10           | 26.00       |
| RUMS48/FF      | 1200       | 3              | 10           | 38.00       |
| RUMS36/FF/HALF | 910        | 3              | 5            | 13.00       |
| RUMS48/FF/HALF | 1200       | 3              | 5            | 19.00       |



## Rubber Matting

Heavy Duty

- Black NR / SBR blend rubber
- Hardness: 60-70° shore A
- Amoebic pattern design one side, wide ribbed pattern on the reverse
- Low relief directional tread
- Low maintenance
- Reversible for longer wear
- Anti-slip when wet
- Ideally suited for: walkways, tread mats, runners and general purpose industrial applications
- Temperature range: -20°C to +70°C
- Other sizes available upon request



| Part No.  | Width (mm) | Length (mm) | Thickness (mm) | Weight (kg) |
|-----------|------------|-------------|----------------|-------------|
| RUMS21/10 | 1200       | 1800        | 10             | 32.40       |
| RUMS21/12 | 1200       | 1800        | 12             | 38.88       |

## PVC Internal Rub Rail

Heavy Duty

**RUMS220/50G**

- L5000 x H220 x T2.8mm
- Grey PVC
- Suitable for dry freight and refrigeration use
- wgt. 4.48kg



**SEALANT & ADHESIVES**  
**272-282**

**HANDLES**  
**131-135**

**LOAD RESTRAINTS**  
**188-201**

## Insulated Bulkheads **coolguard**

EPS Closed Cell Core

The Cool-Guard range of insulated bulkheads provides a cost-effective solution to dividing the vehicle load space, whilst maintaining temperature control. Combining closed-cell substrates with rust-free components, coupled with the latest lightweight aluminium track and roller systems, puts the Cool-Guard bulkheads ahead of the competition.

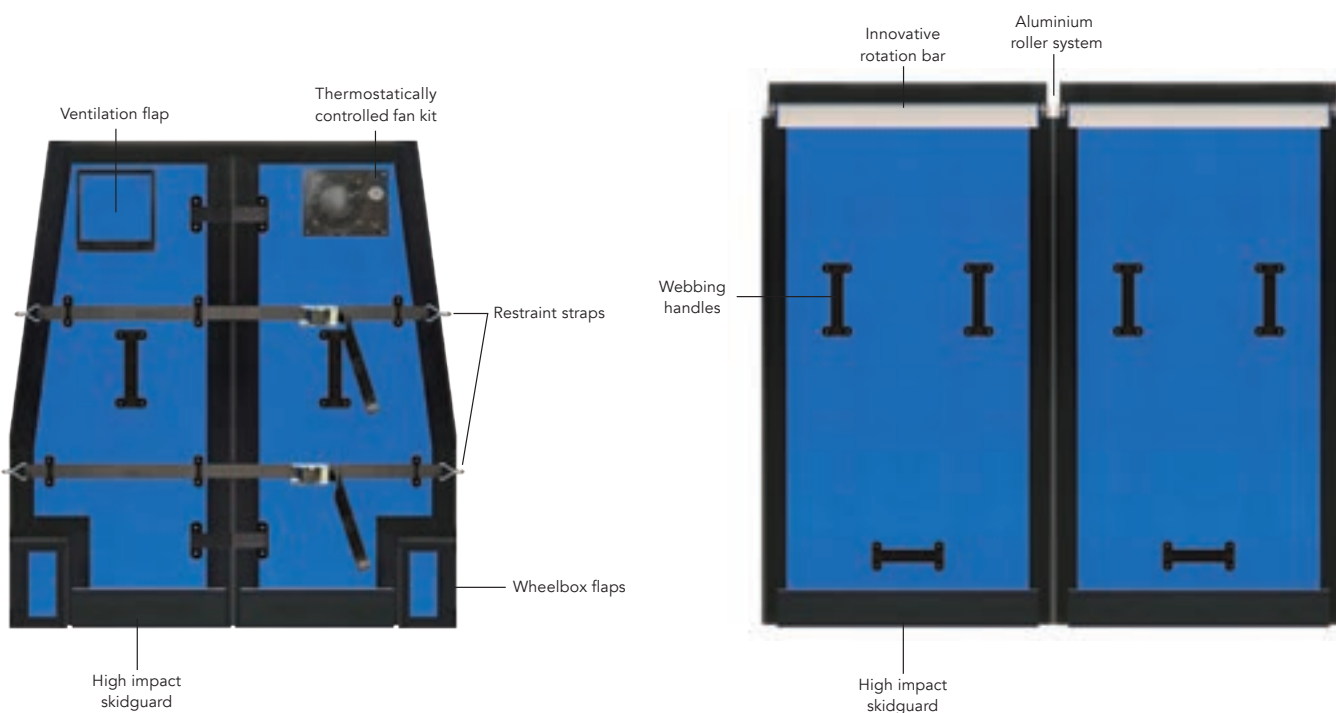
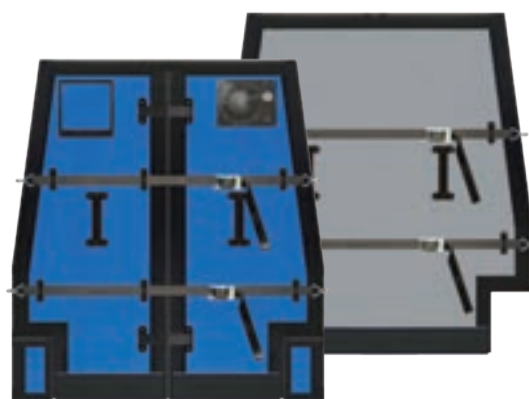
Cool-Guard insulated bulkheads can be manufactured to your specific requirements, to suit any size or shape of vehicle.

The Cool-Guard core is constructed using EPS (expanded polystyrene), a closed-cell moisture resistant material, designed to resist water ingress and bacteria forming.

An overall thickness of 75mm is achieved offering optimal temperature control and durability.

### Key Benefits

- 75mm Overall thickness – EPS lightweight core
- Reinforced vinyl skin – blue or grey options
- Lightweight and robust design
- Durable polyester webbing hinges
- Flush mounted bolts used in all applications
- Heat sealed vinyl perimeter, preventing the risk of delamination
- 'CG-Foam' Low density perimeter foam for superior compression
- High impact skid-guard
- Aluminium track – offering substantial weight savings
- Innovative aluminium rotation bar and rollers
- Can be manufactured to suit any size or shape of vehicle



Fully Portable Units

- Ideally suited for vans and small rigid vehicles
- Blue or grey core vinyl skin options
- Wheel box flaps (optional)
- Thermostatic fan kits (optional)
- Can be manufactured to suit any shape or style of vehicle
- Various configurations available – our most popular portable bulkheads are shown below



Thermostatically controlled fan kits

3 Options available

12v DF-Tech

- Suitable for smaller vehicles
- Incorporates a 195mm fan
- Digital display (to be mounted in cab) & 10 metre probe wire
- Socket, suzy cable and sidewall socket
- Ideally suited for new build/conversions



DF-TECH FAN KIT - 12v

12v VF-Tech

- Suitable for smaller vehicles
- Incorporates a 195mm fan
- Analogue thermostat
- Socket, suzy cable and sidewall socket
- Ideal for new build/conversion and retro-fit applications



VF-TECH FAN KIT - 12v

12v & 24v TF-Tech

- Suitable for larger rigid vehicles & trailers
- Incorporates a 255mm fan
- Analogue thermostat
- Socket, suzy cable and sidewall socket



Digital display supplied with DF-Tech



TF-TECH FAN KIT - 12v & 24v

## Insulated Bulkheads **coolguard**

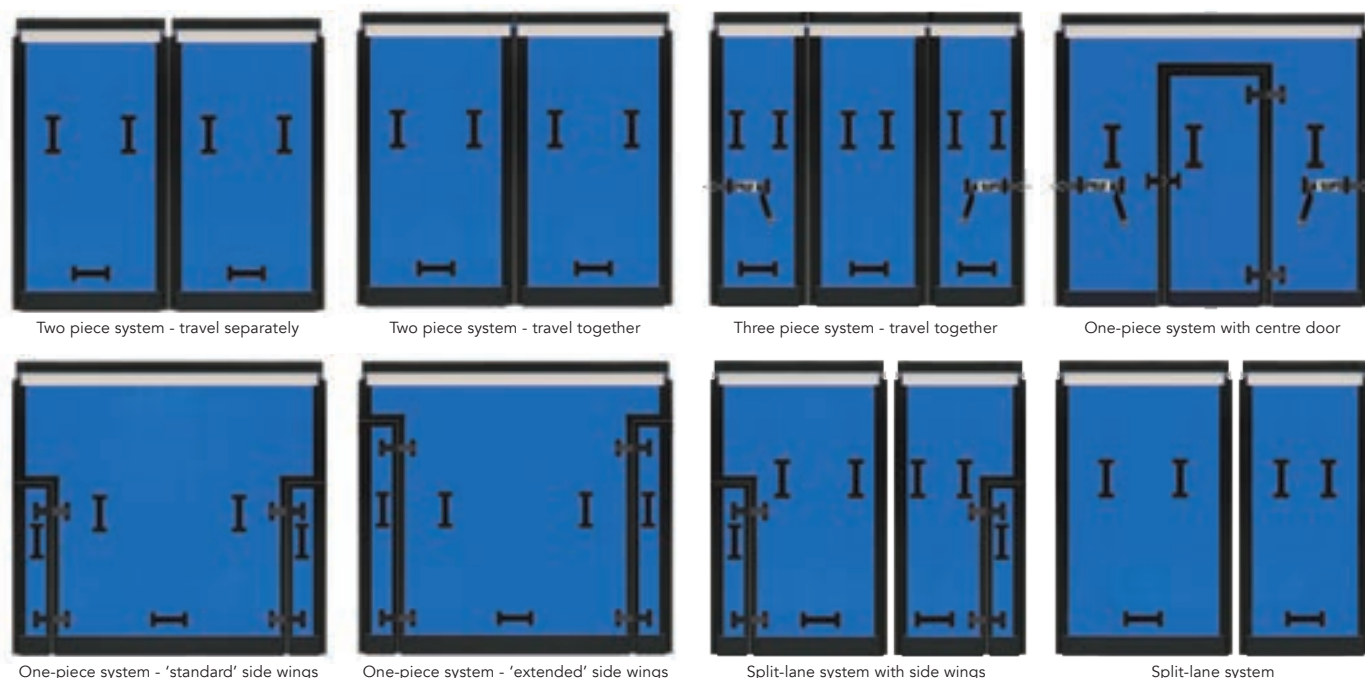
EPS Closed Cell Core

### Roof Mounted Bulkheads

The Cool-Guard roof mounted bulkheads are a regular feature among the leading refrigerated fleets and pharmaceutical vehicles.

- Ideally suited for trailers and rigid vehicles
- Once bulkheads are stowed the vehicle can be loaded/unloaded without the need to remove them
- Aluminium rotation bar
- Easy-Glide rollers allow the bulkhead to be effortlessly moved along the length of the vehicle
- Aluminium track system – substantial weight saving advantages
- Easy-Lift pulley system is supplied complete with integrated 'CG-Cleat', as standard
- Thermostatic fan kits (optional) – see page 45 for full list of options
- Side wings (optional)

Please see below some of the most popular configurations we supply, each one has its own benefits depending on the operation. If you do not see the style you require please contact us as we can manufacture bespoke designs to suit any application.



Cool-Guard bulkheads give full flexibility within the load space, allowing the compartment to be divided into individual compartments. Used in conjunction with the all-aluminium track and roller system allows the bulkheads to be effortlessly moved into the desired position, bulkheads can also be stowed against the ceiling using the 'Easy-Lift' storing device.

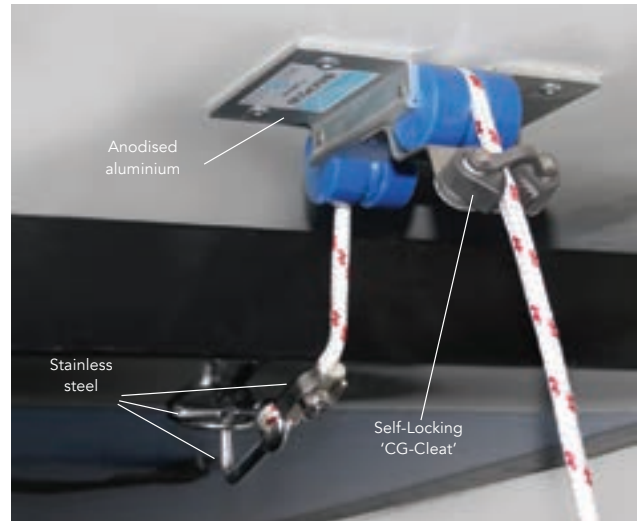


## Insulated Bulkheads **coolguard**

EPS Closed Cell Core

### Easy-Lift Lifting & Storing Device

The 'Easy-Lift' mechanism is fitted as standard on all Roof Mounted Systems. This allows the bulkhead to be effortlessly lifted and stored. The integrated 'CG-Cleat' grips the rope when being lifted, to avoid the bulkhead slipping and then self-locks when in the desired position, holding the unit firmly against the roof. All 'CG-Cleats' have been fully tested to a breaking strength of 230kg, so you can be confident in the fact that once the bulkhead is stored, it will remain stored.

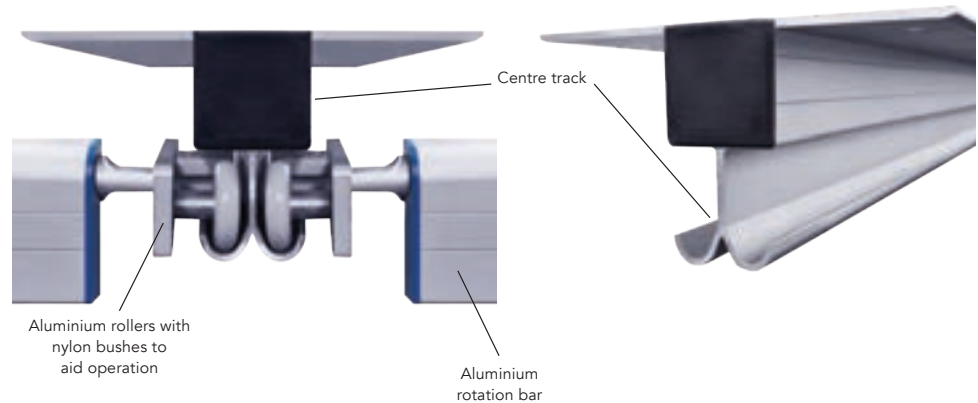


### Easy-Glide Aluminium Track System

Designed to offer the end-user optimum weight saving. Using aluminium components ensures the aesthetics are enhanced, whilst offering strength and significant weight savings, compared to galvanized versions.

12 Metre travel split lane system – incorporates the centre 'J' track system, saving over 50kg compared to the 'industry standard' galvanized versions.

- Increased payload
- Increased MPG
- Increased BHP
- Reduction in CO2 emissions
- Rust-free guarantee



### Aluminium Rotation Bar

Optional for track mounted bulkheads, the aluminium profile replaces the galvanized steel tube and hanging brackets, offering a one-piece solution with hidden fixings ensures the look and feel of a premium product, at an affordable price.

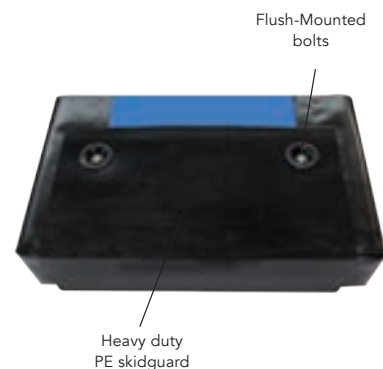
### Lightweight Aluminium Rollers

Traditional steel rollers have been upgraded to aluminium, offering a rust-free product with significant weight saving advantages. They also benefit from nylon bushes, ensuring the bar rotates smoothly within the rotation mechanism.



### Skidguards

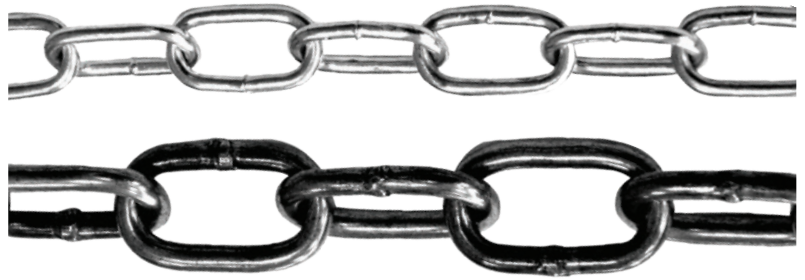
All Cool-Guard Bulkheads are fitted, as standard, with a heavy-duty PE skid-guard. This prevents damage to the bottom of the unit when being operated and scuffed along the vehicle floor. It also prevents lower damage from trolleys, cages, pallets etc., this offers a great barrier against costly repairs and down-time.



## Straight Link Chain

Galvanized & Zinc Plated

- Welded links
- Low carbon steel
- Various size and length options
- Compatible with chain tab, ACHN247/ZP – page 51



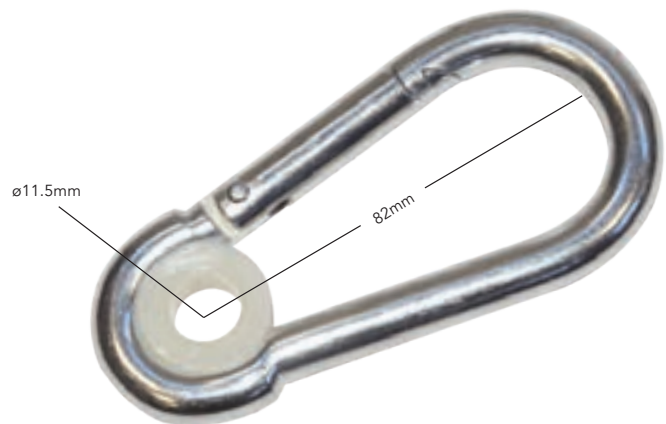
| Part No.    | Links (per Metre) | Diameter (mm) | Length (mtr) | Finish      | Grade      | Weight (kg) |
|-------------|-------------------|---------------|--------------|-------------|------------|-------------|
| ACHN10/3ZP  | 48                | 3             | 10           | Zinc Plated | Commercial | 1.62        |
| ACHN10/5GV  | 36                | 5             | 10           | Galvanized  | Commercial | 6.09        |
| ACHN10/6GV  | 24                | 6             | 10           | Galvanized  | Commercial | 9.5         |
| ACHN30/08GV | 19                | 8             | 30           | Galvanized  | DIN763     | 34.00       |

## Carbine Snap Hook & Nylon Eye

Zinc Plated

**ACHN95/100**

- Wire:  $\varnothing 10\text{mm}$
- Spring loaded catch
- Nylon eye can be removed if not required
- wgt. 0.12kg

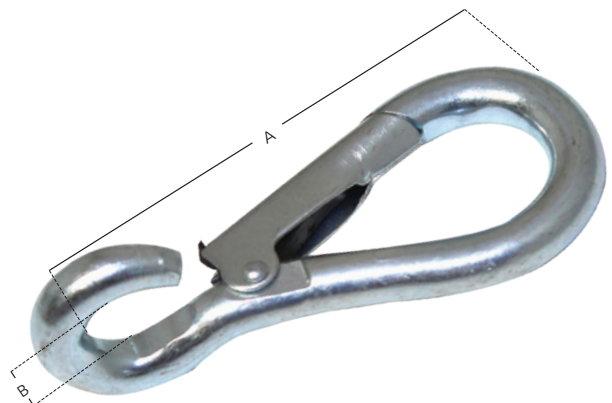


## Spring Hook

Zinc Plated

- Spring loaded catch

| Part No. | A (mm) | B (mm)             | Wire (mm)         | Weight (kg) |
|----------|--------|--------------------|-------------------|-------------|
| ACHN50   | 58     | $\varnothing 8.0$  | $\varnothing 6.0$ | 0.03        |
| ACHN63   | 70     | $\varnothing 10.0$ | $\varnothing 6.8$ | 0.04        |
| ACHN75   | 75     | $\varnothing 11.5$ | $\varnothing 7.8$ | 0.06        |
| ACHN88   | 90     | $\varnothing 14.5$ | $\varnothing 9.5$ | 0.08        |
| ACHN100  | 98     | $\varnothing 16.0$ | $\varnothing 9.8$ | 0.13        |



## Tailboard Chain & Bolt-on Plate

Galvanized

**ACHN102/08**

- L920 x ø8mm Galvanized chain
- Galvanized bolt-on plate
- wgt. 1.13kg



## Spring Hook & Chain

Zinc Plated

| Part No.    | Hook (mm) | Chain (mm) | Weight (kg) |
|-------------|-----------|------------|-------------|
| ACHN75/CH   | 75        | L150 x ø3  | 0.09        |
| ACHN75/12CH | 75        | L300 x ø3  | 0.11        |
| ACHN100/CH  | 100       | L300 x ø3  | 0.18        |



Supplied complete with chain tab

## Flat Cotter & Chain

Zinc Plated

**ACOT10A/ZP**

- Pin: L60 x W15 x T4.5mm
- Supplied complete with welded ring and L190 x ø3mm chain
- Compatible with chain tab, ACHN247/ZP – page 51
- wgt. 0.10kg

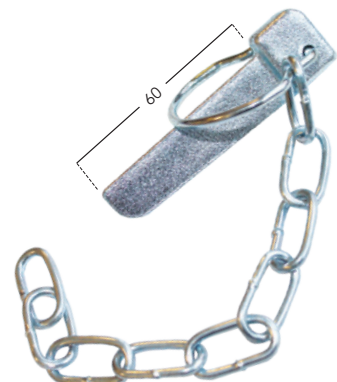


## Cotter, Chain & Snap Ring

Zinc Plated

**ACOT13/ZP**

- Pin: L60 x W15 x T4.5mm
- Supplied complete with snap ring and L190 x ø3mm chain
- Compatible with chain tab, ACHN247/ZP – page 51
- wgt. 0.10kg

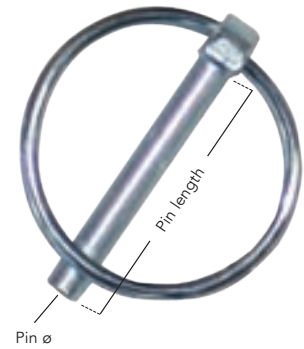


## Lynch Pin complete with Sprung Security Loop

CP350 Clear Passivate Surface Coating

- 350H Salt spray tested

| Part No.   | PIN Diameter (mm) | PIN Length (mm) | Ring Diameter (mm) | Weight (kg) |
|------------|-------------------|-----------------|--------------------|-------------|
| ACOT9/045  | 4.5               | 35              | 36                 | 0.02        |
| ACOT9/06   | 6                 | 44              | 50                 | 0.03        |
| ACOT9/08   | 8                 | 44              | 50                 | 0.03        |
| ACOT9/08LR | 8                 | 44              | 54                 | 0.04        |
| ACOT9/11   | 11                | 44              | 50                 | 0.05        |

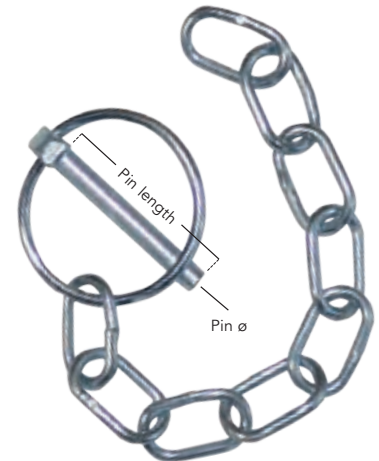


## Lynch Pin complete with Sprung Security Loop

CP350 Clear Passivate Surface Coating

- 350H Salt spray tested
- Supplied complete with sprung security loop and L190 x ø3mm chain
- Compatible with chain tab, ACHN247/ZP – page 51

| Part No.   | PIN Diameter (mm) | PIN Length (mm) | Ring Diameter (mm) | Weight (kg) |
|------------|-------------------|-----------------|--------------------|-------------|
| ACOT9/06CH | 6                 | 44              | 50                 | 0.05        |
| ACOT9/08CH | 8                 | 44              | 50                 | 0.07        |
| ACOT9/11CH | 11                | 44              | 50                 | 0.08        |



## Round Cotter & Chain

Zinc Plated

- Supplied complete with ring chain tab and L190 x ø3mm chain

| Part No.   | PIN Diameter (mm) | PIN Length (mm) | Weight (kg) |
|------------|-------------------|-----------------|-------------|
| ACOT215/06 | 6                 | 90              | 0.09        |
| ACOT215/08 | 8                 | 73              | 0.11        |
| ACOT215/10 | 10                | 98              | 0.14        |

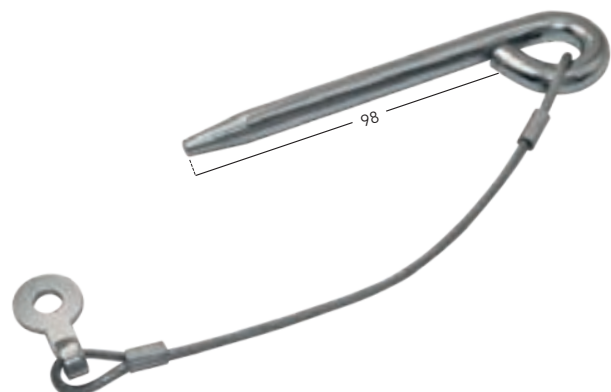


## Round Cotter & Chain

Zinc Plated

### ACOT215/10WR

- Pin: L98 x ø10mm
- Supplied complete with L190 x ø2.5mm wire and chain tab
- wgt. 0.09kg

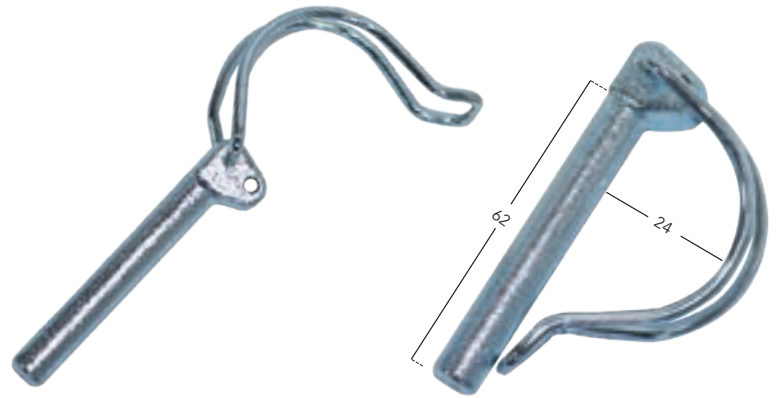


### Pipe Lynch Pin

CP350 Clear Passivate Surface Coating

**ACOT351**

- 350H Salt spray tested
- Pin: L62 x ø9.5mm
- wgt. 0.08kg

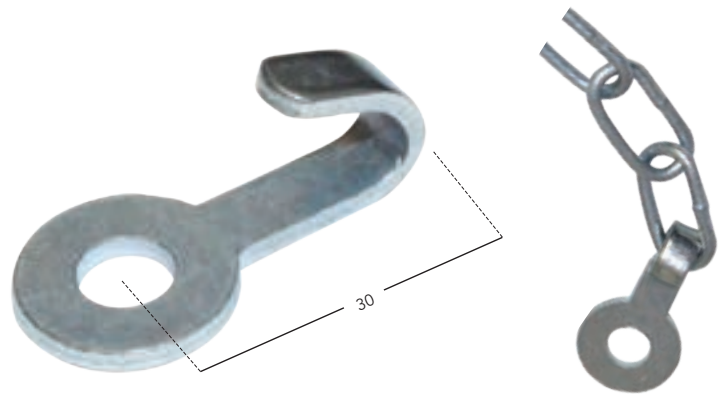


### Chain Tab

Zinc Plated

**ACHN247/ZP**

- 3mm Pressed mild steel
- ø8.5mm Hole
- wgt. 0.02kg



### Commercial Grade Wire Rope Grips

Zinc Plated

**AMSC272/05**

- Suits 2 x ø5mm cables
- wgt. 0.01kg

**AMSC272/10**

- Suits 2 x ø10mm cables
- wgt. 0.06kg

**AMSC272/06**

- Suits 2 x ø6mm cables
- wgt. 0.01kg



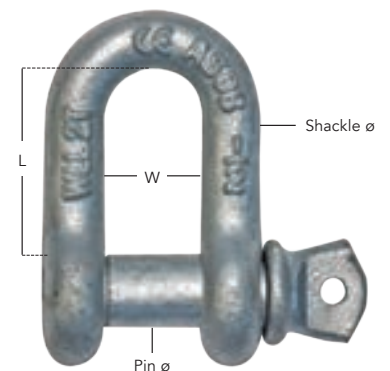
**NOT SUITABLE FOR LIFTING**

### 'D' Shackle - Screwed Pin

Galvanized Alloy Steel - U.S. Federal Spec. RR-C-271

- Factor of safety 6:1
- Hot dipped galvanized finish

| Part No.      | Pin ø (mm) | Shackle ø (mm) | Length (mm) | Width (mm) | SWL (kg) | Weight (kg) |
|---------------|------------|----------------|-------------|------------|----------|-------------|
| AMSC38/050/GV | 8.0        | 7.8            | 20.0        | 12.0       | 500      | 0.05        |
| AMSC38/075/GV | 9.2        | 8.5            | 26.5        | 13.5       | 750      | 0.07        |
| AMSC38/100/GV | 11.0       | 11.0           | 32.0        | 17.0       | 1000     | 0.13        |
| AMSC38/200/GV | 15.5       | 13.0           | 39.5        | 21.0       | 2000     | 0.28        |

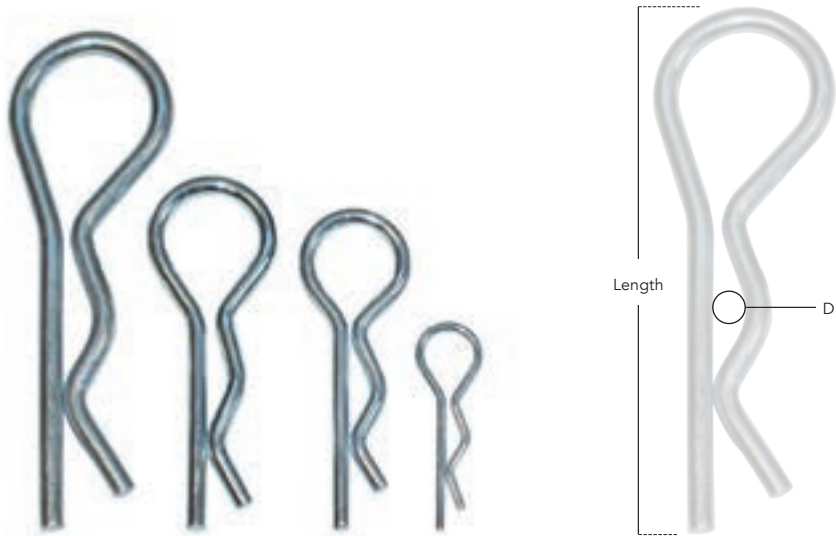


AMSC38/200/GV Shown

## Round Spring Cotter 'Single Coil'

Zinc Plated

- Medium carbon / spring steel

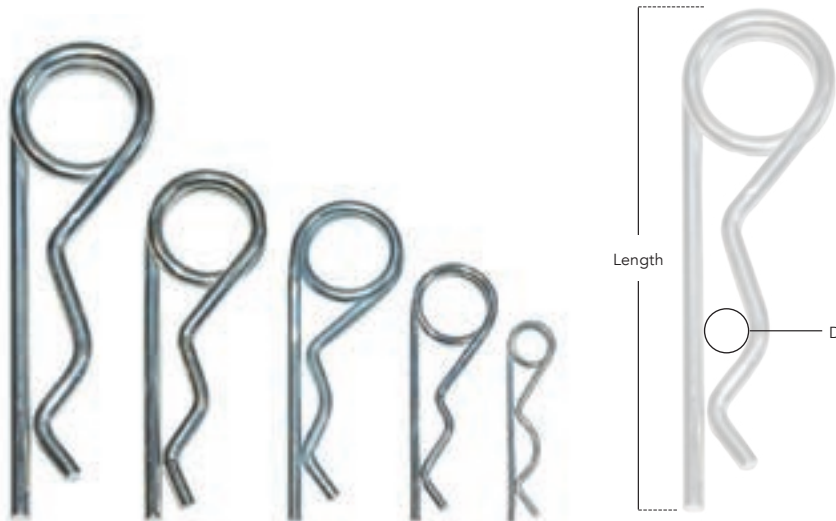


| Part No.  | Length (mm) | Material (mm) | D – Minimum (mm) | D – Maximum (mm) | Weight (kg) |
|-----------|-------------|---------------|------------------|------------------|-------------|
| ACOT15/14 | 43          | ø2.0          | ø8               | ø14              | 0.002       |
| ACOT15/10 | 67          | ø3.5          | ø11              | ø18              | 0.010       |
| ACOT15/08 | 74          | ø4.0          | ø12              | ø20              | 0.016       |
| ACOT15/06 | 105         | ø5.0          | ø20              | ø30              | 0.034       |

## Round Spring Cotter 'Double Coil'

Zinc Plated

- Medium carbon / spring steel



| Part No.  | Length (mm) | Material (mm) | D – Minimum (mm) | D – Maximum (mm) | Weight (kg) |
|-----------|-------------|---------------|------------------|------------------|-------------|
| ACOT18/02 | 61          | ø2.0          | ø8               | ø14              | 0.003       |
| ACOT18/03 | 74          | ø3.0          | ø14              | ø19              | 0.012       |
| ACOT18/04 | 77          | ø4.0          | ø16              | ø24              | 0.026       |
| ACOT18/05 | 107         | ø5.0          | ø19              | ø30              | 0.046       |
| ACOT18/06 | 140         | ø6.0          | ø23              | ø35              | 0.092       |

### Curtain Tensioners 'Armour-Ten' Series

- Armour-Tech 600 (AT600) surface coating used on all curtain tensioners, 600+ hours salt spray tested - see full coating specification on page 212
- 304G Stainless steel handles are used where shown, to eliminate handle seizure
- Custom curtain tensioners can be produced, subject to minimum order quantity
- All curtain tensioners require routine maintenance
- See page 324 for aluminium curtain pole tube



**CARGCBF505/40AT/RH**

Mounted curtain tensioner

\*Offside rear shown



The drawing above shows the positioning of all handed tensioners

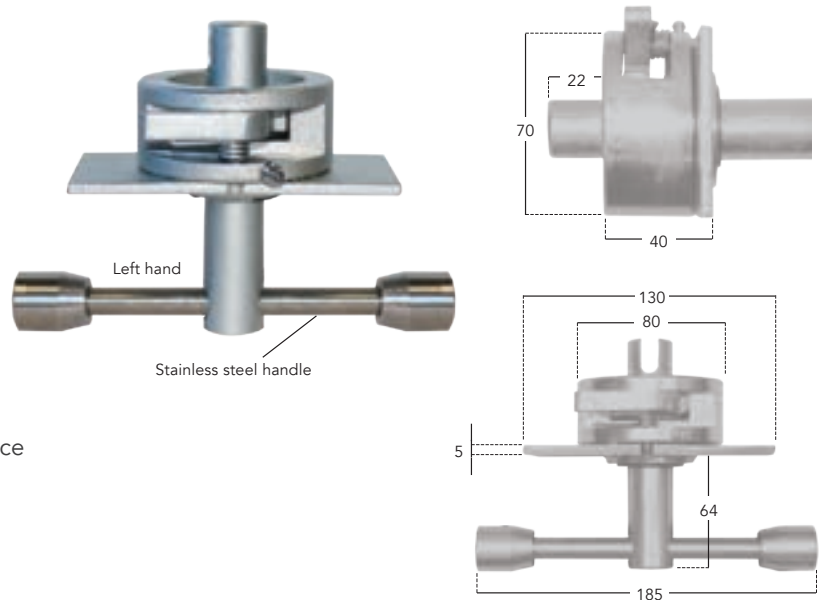
### Curtain Tensioner

AT600 Surface Coated

**CARGCBF502TB/AT/LH** Left hand

**CARGCBF502TB/AT/RH** Right hand

- ø25mm Round shaft with 8mm slot
- Stainless steel grease nipple
- 304G Stainless steel T bar handle
- Armour-Tech 600 (AT600) surface coating
- Nylon bushed
- Spare parts available
- All curtain tensioners require routine maintenance
- wgt. 1.93kg



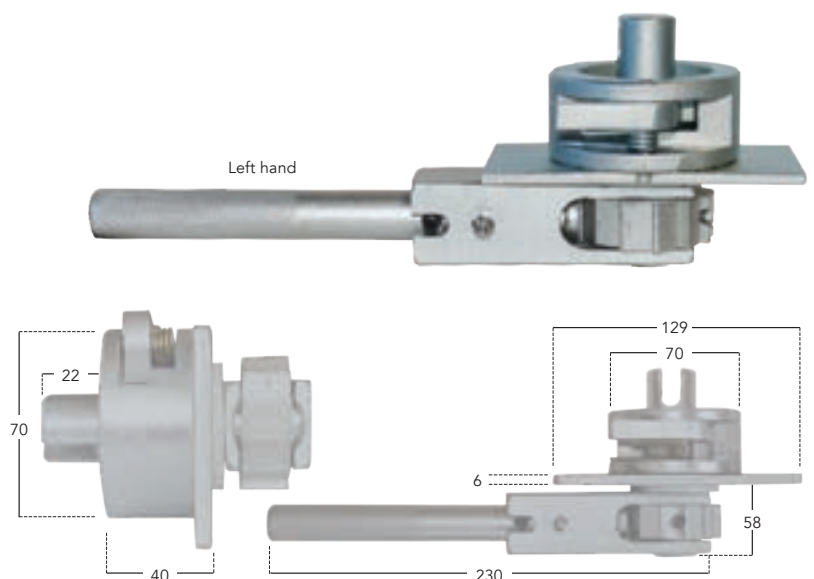
### Curtain Tensioner

AT600 Surface Coated

**CARGCBF502TH/AT/LH** Left hand

**CARGCBF502TH/AT/RH** Right hand

- ø25mm Round shaft with 8mm slot
- Stainless steel grease nipple
- Telescopic handle
- Armour-Tech 600 (AT600) surface coating
- Nylon bushed
- All curtain tensioners require routine maintenance
- wgt. 2.23kg



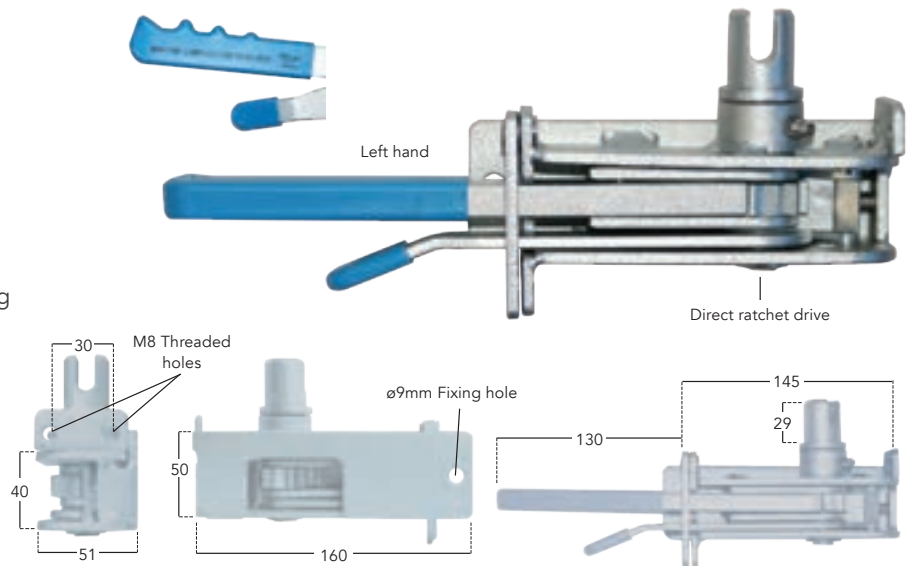
## Curtain Tensioner

AT600 Surface Coated

**CARGCBF505/SLAT/LH** Left hand

**CARGCBF505/SLAT/RH** Right hand

- ø25mm Round shaft with 8mm slot
- Stainless steel grease nipple
- Armour-Tech 600 (AT600) surface coating
- 3 Fixing points, 1 x 9mm and 2 x M8 threaded holes
- Square internal shaft – unique 'direct ratchet drive'
- All curtain tensioners require routine maintenance
- wgt. 1.79kg



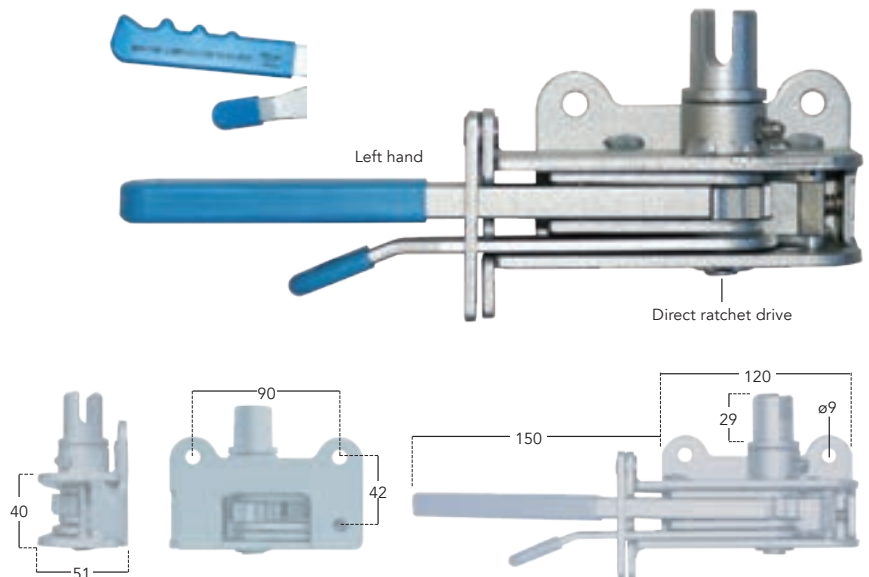
## Curtain Tensioner

AT600 Surface Coated

**CARGCBF505/40AT/LH** Left hand

**CARGCBF505/40AT/RH** Right hand

- ø25mm Round shaft with 10mm slot
- Stainless steel grease nipple
- Armour-Tech 600 (AT600) surface coating
- 3 x ø9mm Fixing points
- Square internal shaft – unique 'direct ratchet drive'
- All curtain tensioners require routine maintenance
- wgt. 1.82kg



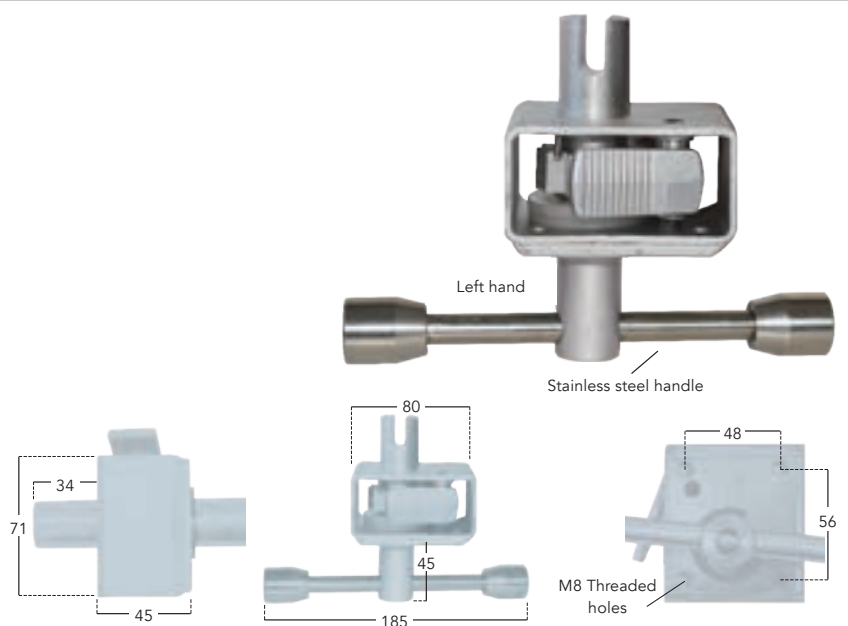
## Curtain Tensioner

AT600 Surface Coated

**CARGCBF506TB/AT/LH** Left hand

**CARGCBF506TB/AT/RH** Right hand

- ø25mm Round shaft with 8mm slot
- 304G Stainless steel T bar handle
- Armour-Tech 600 (AT600) surface coating
- 4 x M8 Threaded fixing holes
- All curtain tensioners require routine maintenance
- wgt. 1.50kg



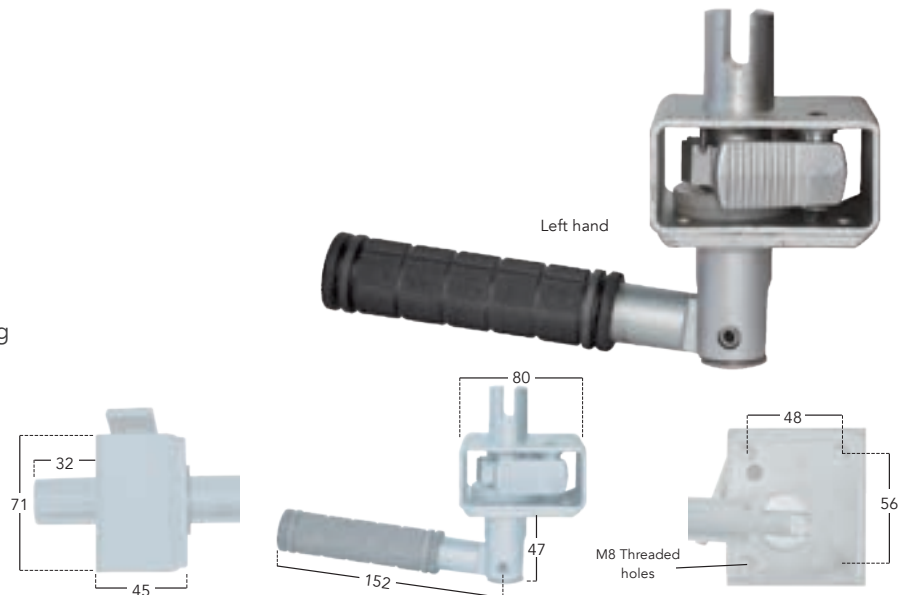
## Curtain Tensioner

AT600 Surface Coated

**CARGCBF506DH/AT/LH** Left hand

**CARGCBF506DH/AT/RH** Right hand

- ø25mm Round shaft with 8mm slot
- Drop handle with rubber grip
- Armour-Tech 600 (AT600) surface coating
- 4 x M8 Threaded fixing holes
- All curtain tensioners require routine maintenance
- wgt. 1.58kg

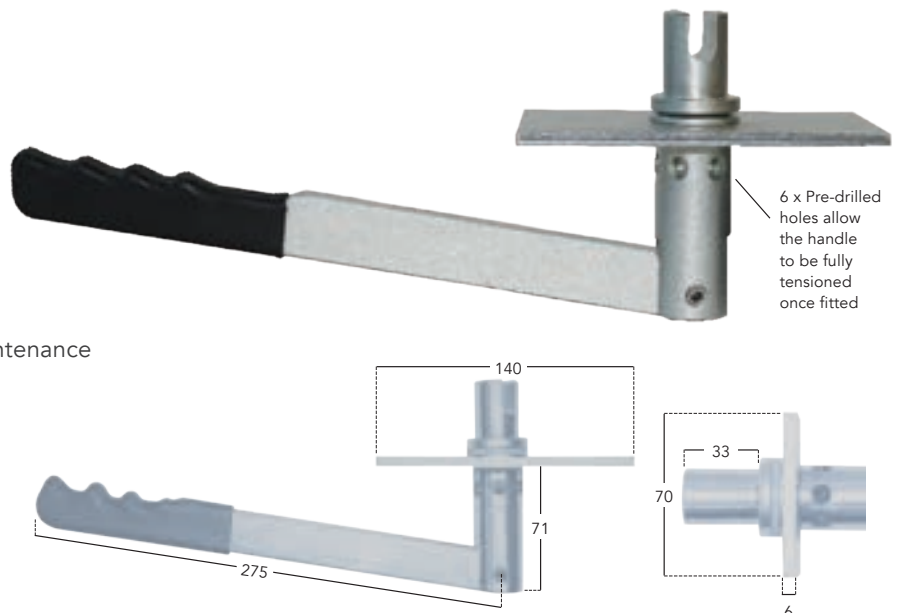


## Universal Tensioner Handle

AT600 Surface Coated

**CARGCBF507DH/AT/UNI** Universal

- ø25mm Round shaft with 8mm slot
- Drop handle with moulded grip
- Armour-Tech 600 (AT600) surface coating
- Nylon bushed
- Suitable for left and right hand fitment
- All curtain tensioners require routine maintenance
- wgt. 1.48kg

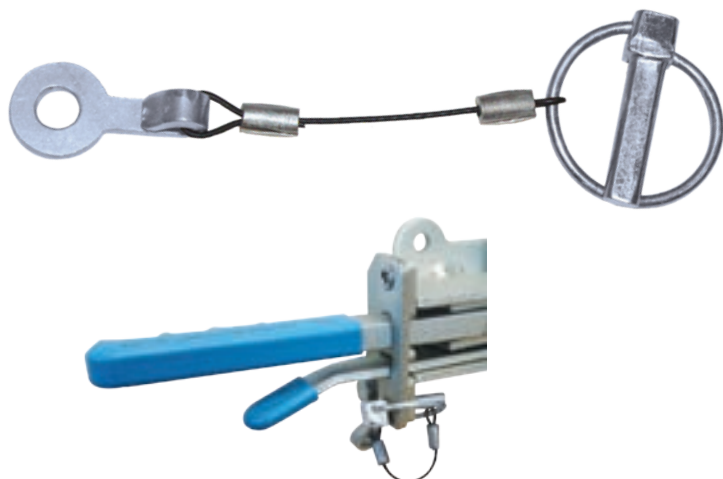


## Lynch Pin & Wire Assembly

To suit CBF505 Range of Curtain Tensioners

**CARGCBF505/CWA**

- wgt. 0.03kg
- Suits: CARGCBF505/SLAT/LH  
CARGCBF505/SLAT/RH  
CARGCBF505/40AT/LH  
CARGCBF505/40AT/RH
- Safety security device
- Easy to fit
- 80mm wire length
- CP350 Surface coated lynch pin



## FALLEBA Door Locking Mechanism

ø22mm – D-Grip Handle  
Zinc Plated

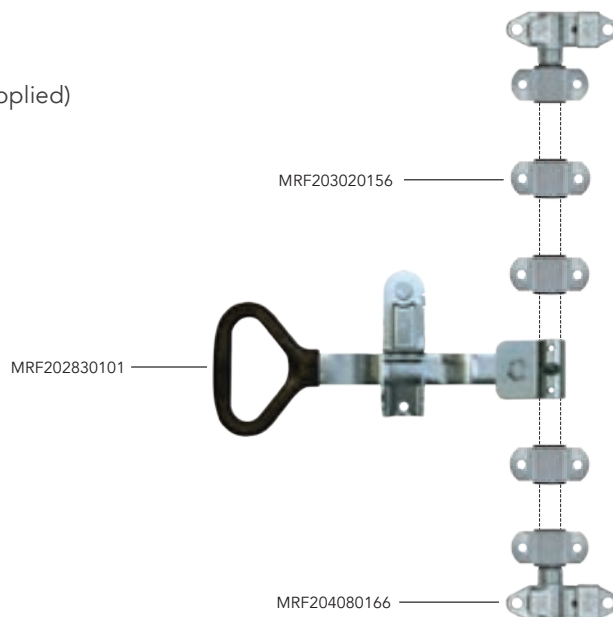
- Suits both left and right hand doors
- Wrap-around handle/tube hub attached by 2 x 'spirol' pins (not supplied)
- Bushed brackets (plastic inserts) to aid operation
- Good gather & excellent 'anti-rack' properties
- Zinc plated steel
- Spare parts available

### D-Grip Handle

Zinc Plated

#### MRF202830101

- Supplied with handle retainer mechanism & handle/tube attachment hub
- 2 x 'Spirol' pins required (not supplied) to attach handle/tube hub – ø5 x 26mm
- Zinc plated steel with plastic grip
- wgt. 1.34kg

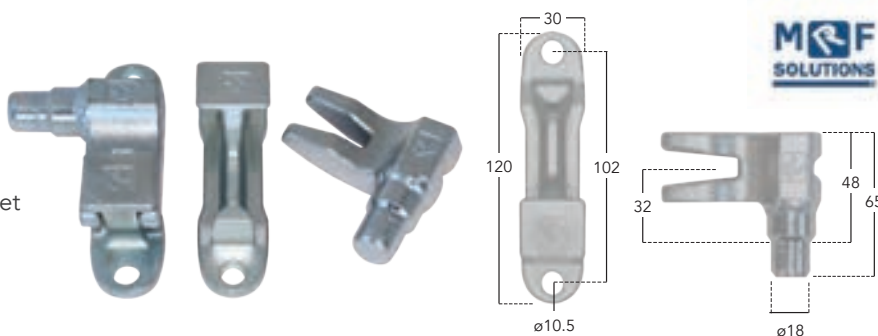


## Cam & Keeper Set

Zinc Plated

#### MRF204080166

- 2 x Weld-on cams & bolt-on keepers per set
- Investment cast
- Zinc plated steel
- wgt. 1.24kg

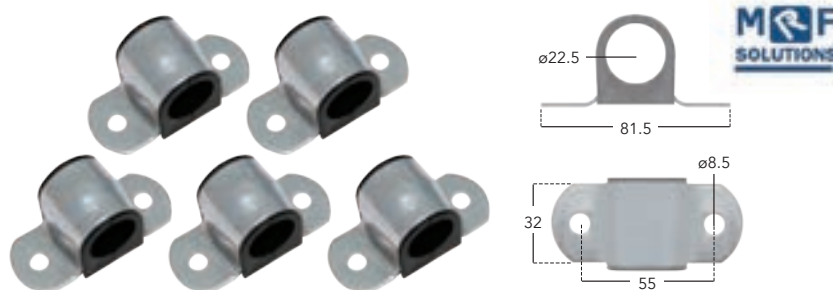


## Tube Clamp Set

5 Brackets

#### MRF203020156

- 5 x Small brackets per set
- Supplied with back plates & plastic bushes
- Zinc plated steel
- wgt. 0.55kg



## Tube to Suit

Zinc Plated

#### LKGR22/2500ZP

- L2500 X ø22mm
- 1.5mm Wall thickness
- Zinc plated steel
- See page 324 for our full range of tubes
- wgt. 1.76kg



## Comm-Lock 22mm Un-Bushed Door Locking Mechanism

Zinc Plated  
Forged Handle

LKGR2022/UB

- Component set as shown, complete with forged handle
- Suits both left and right hand doors
- Plastic bracket guides
- Supplied with 2 x anti-rack rings
- Spare parts available to order
- wgt. 2.24kg



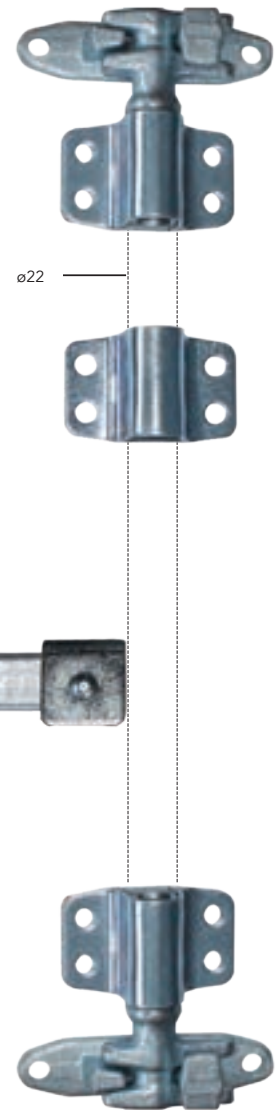
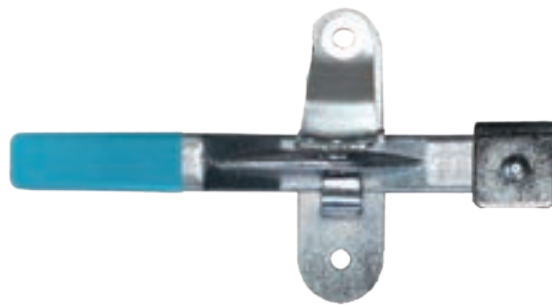
Anti-rack rings



Self-aligning  
'snug' fit cam



Large bracket complete  
with plastic guide



## Tube to Suit

LKGR22/3000GV

- ø22 x L3000 x 2mm Wall thickness
- Galvanized
- See page 324 for our full range of tubes
- wgt. 3.06kg



### IMPORTANT

Zinc plating is only classed as a 'sacrificial' coating (gives itself up to the corrosive media).  
A protective barrier (i.e. paint) is recommended to protect against moisture.

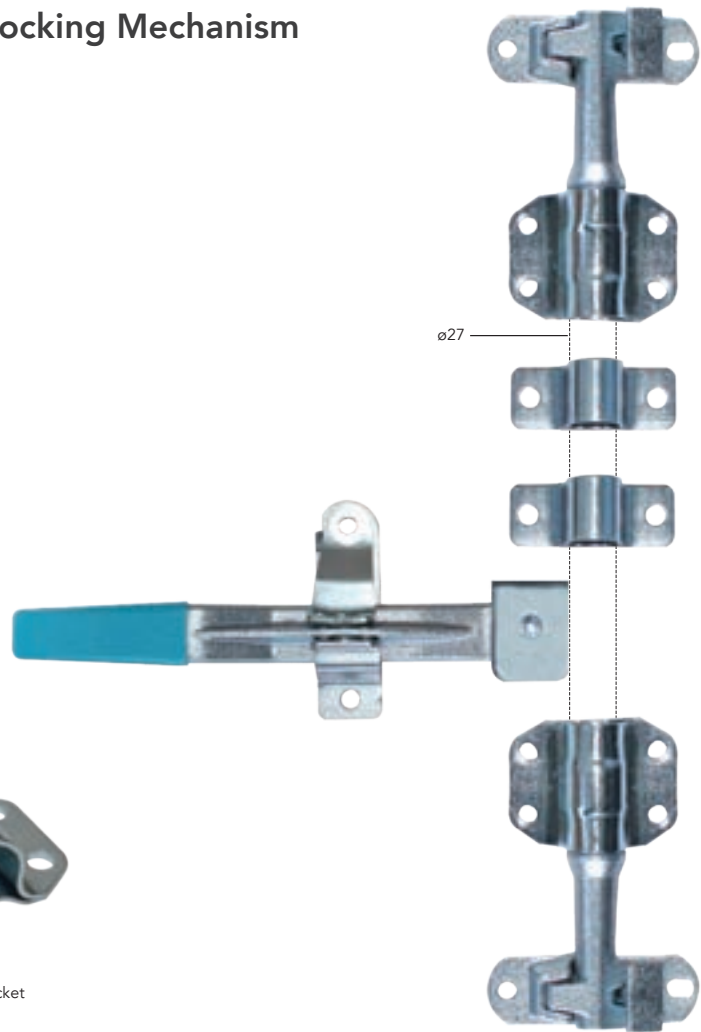
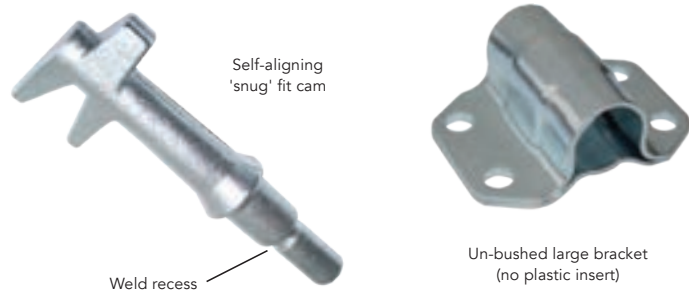
**TLS cannot be held responsible for the effects of corrosion  
on zinc plated parts**

## Comm-Lock 27mm Un-Bushed Door Locking Mechanism

Zinc Plated  
Forged Handle

LKGR2027/UB

- Component set as shown, complete with forged handle and handle cover
- Suits both left and right hand doors
- Un-bushed brackets (no plastic inserts)
- Good gather, excellent anti-rack properties
- Spare parts available – see page 67
- wgt. 4.94kg



## Gasket Set to Suit

LKGR2027/BUGS

- 5 Parts
- Manufactured from 1mm natural rubber
- Provides a barrier between door lock components and door panel
- Anti-corrosion advantages
- wgt. 0.03kg



## Tube to Suit

LKGR27/3000GV

- ø27 x L3000 x 2.5mm Wall thickness
- Galvanized
- See page 324 for our full range of tubes
- wgt. 4.50kg

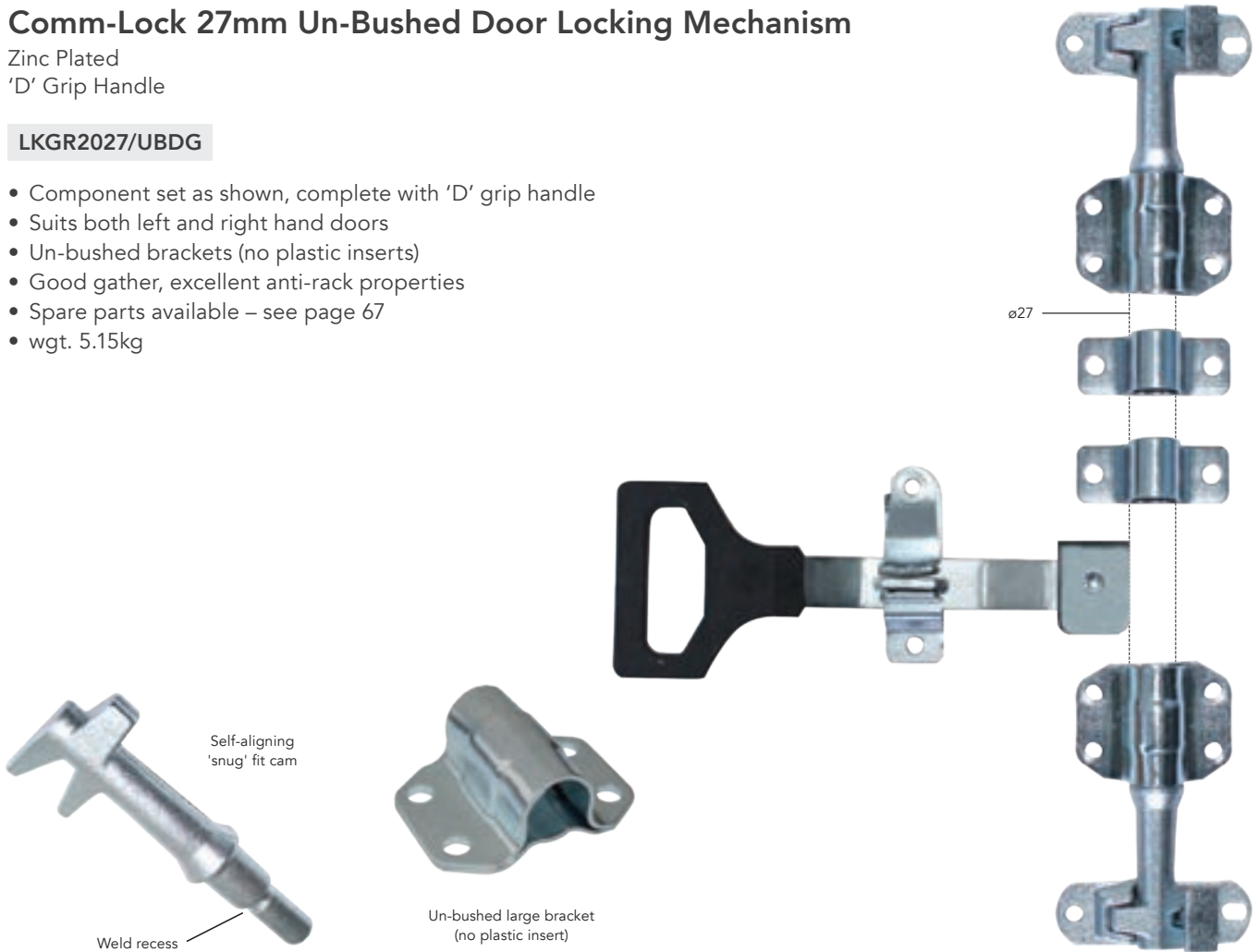


## Comm-Lock 27mm Un-Bushed Door Locking Mechanism

Zinc Plated  
'D' Grip Handle

LKGR2027/UBDG

- Component set as shown, complete with 'D' grip handle
- Suits both left and right hand doors
- Un-bushed brackets (no plastic inserts)
- Good gather, excellent anti-rack properties
- Spare parts available – see page 67
- wgt. 5.15kg



## Gasket Set to Suit

LKGR2027/BUGS

- 5 Parts
- Manufactured from 1mm natural rubber
- Provides a barrier between door lock components and door panel
- Anti-corrosion advantages
- wgt. 0.03kg



## Tube to Suit

LKGR27/3000GV

- $\varnothing 27 \times L3000 \times 2.5\text{mm}$  Wall thickness
- Galvanized
- See page 324 for our full range of tubes
- wgt. 4.50kg



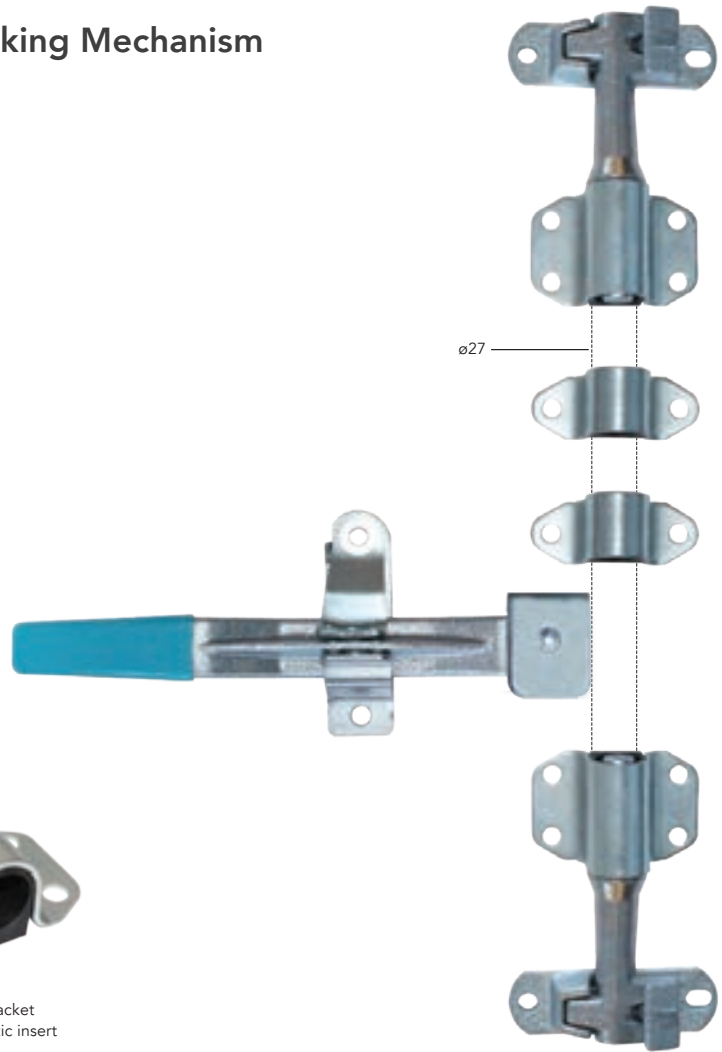
## Comm-Lock 27mm Bushed Door Locking Mechanism

Zinc Plated

Forged Handle

LKGR2027/BU

- Component set as shown, complete with forged handle and handle cover
- Suits both left and right hand doors
- Bushed brackets (plastic inserts) to aid operation
- Good gather, excellent anti-rack properties
- Spare parts available – see page 67
- wgt. 4.68kg



## Gasket Set to Suit

LKGR2027/BUGS

- 5 Parts
- Manufactured from 1mm natural rubber
- Provides a barrier between door lock components and door panel
- Anti-corrosion advantages
- wgt. 0.03kg



## Tube to Suit

LKGR27/3000GV

- $\varnothing 27 \times L3000 \times 2.5\text{mm}$  Wall thickness
- Galvanized
- See page 324 for our full range of tubes
- wgt. 4.50kg

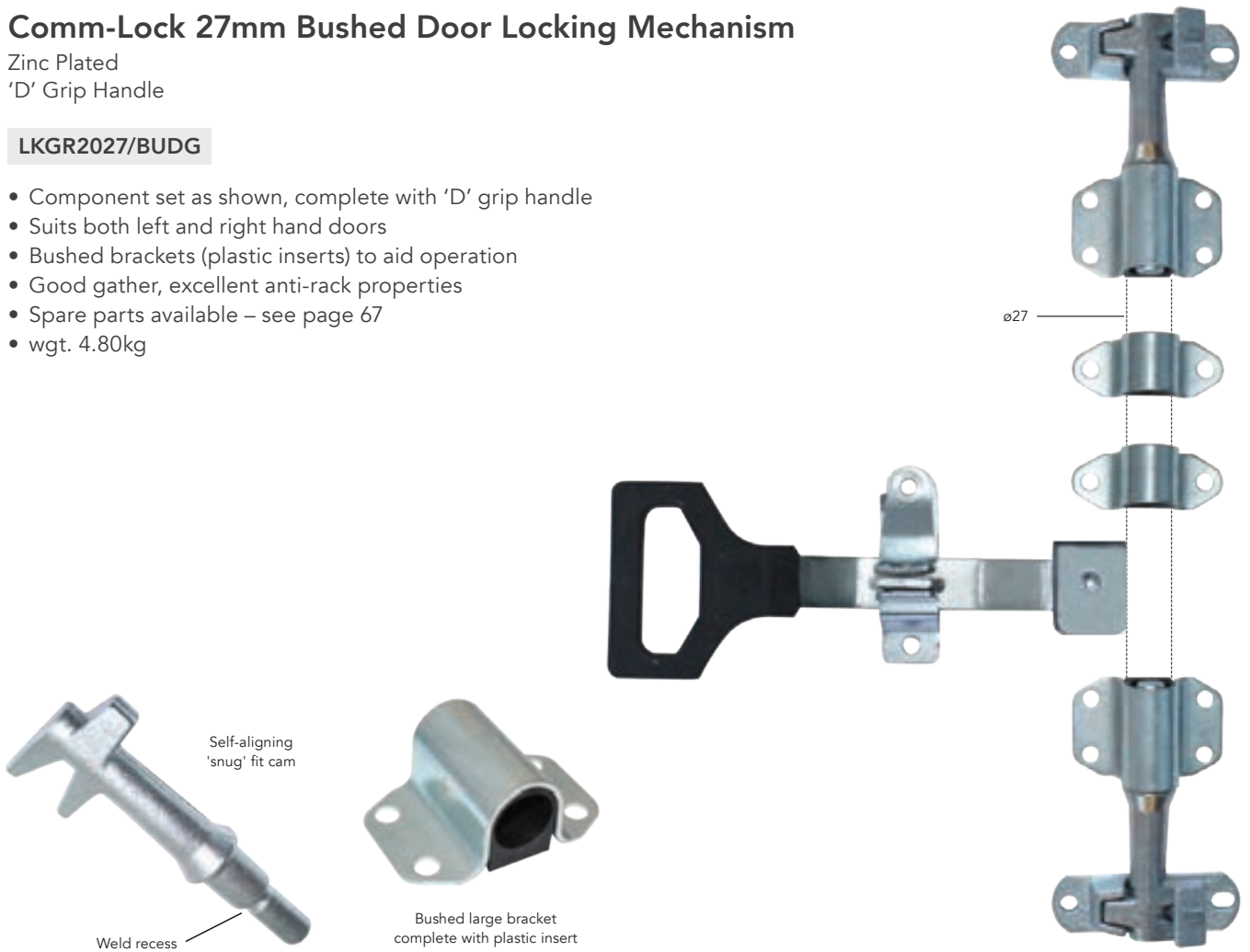


## Comm-Lock 27mm Bushed Door Locking Mechanism

Zinc Plated  
'D' Grip Handle

### LKGR2027/BUDG

- Component set as shown, complete with 'D' grip handle
- Suits both left and right hand doors
- Bushed brackets (plastic inserts) to aid operation
- Good gather, excellent anti-rack properties
- Spare parts available – see page 67
- wgt. 4.80kg



## Gasket Set to Suit

### LKGR2027/BUGS

- 5 Parts
- Manufactured from 1mm natural rubber
- Provides a barrier between door lock components and door panel
- Anti-corrosion advantages
- wgt. 0.03kg



## Tube to Suit

### LKGR27/3000GV

- $\varnothing 27 \times L3000 \times 2.5\text{mm}$  Wall thickness
- Galvanized
- See page 324 for our full range of tubes
- wgt. 4.50kg



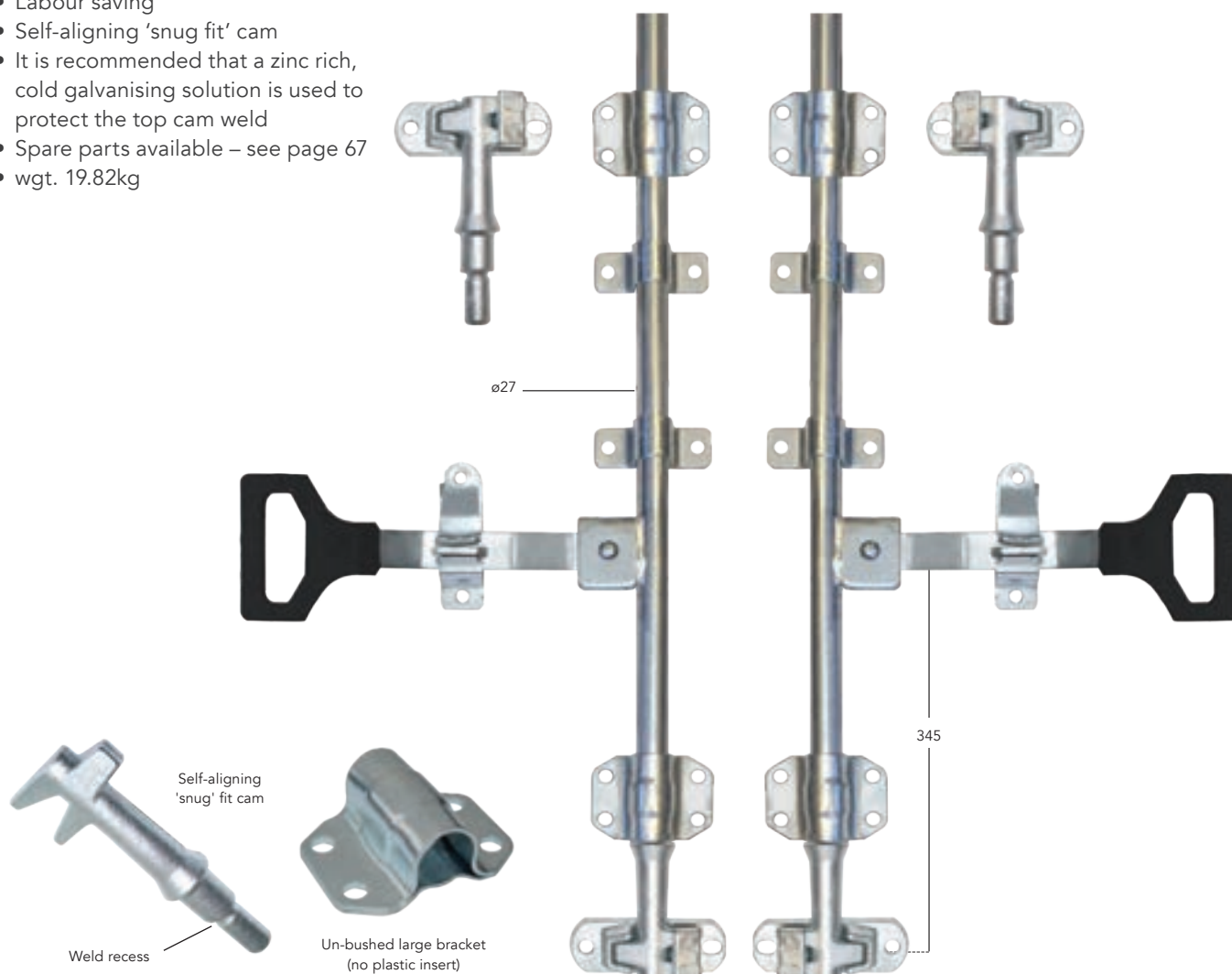
## Comm-Lock 27mm Un-Bushed Pre-Welded Door Locking Mechanism

Galvanized / Variable Height – 'D' Grip Handle

Fully welded except the top cam which can be welded at the required height

### LKGR27/345UDGLR

- Full set as shown, complete with 'D' grip handle
- Supplied in pairs comprising of: 1 x left hand set, 1 x right hand set
- $\varnothing 27$  x L3000mm Galvanized tube
- Handle welded at 345mm from the centre of the bottom cam
- Fixed bottom cam - pre-welded
- Durable galvanized finish
- Good gather, excellent anti-rack properties
- Labour saving
- Self-aligning 'snug fit' cam
- It is recommended that a zinc rich, cold galvanising solution is used to protect the top cam weld
- Spare parts available – see page 67
- wgt. 19.82kg



## Gasket Set to Suit

### LKGR2027/BUGS

- 5 Parts
- Manufactured from 1mm natural rubber
- 2 sets required to suit the above door locking mechanism
- Provides a barrier between door lock components and door panel
- Anti-corrosion advantages
- wgt. 0.03kg



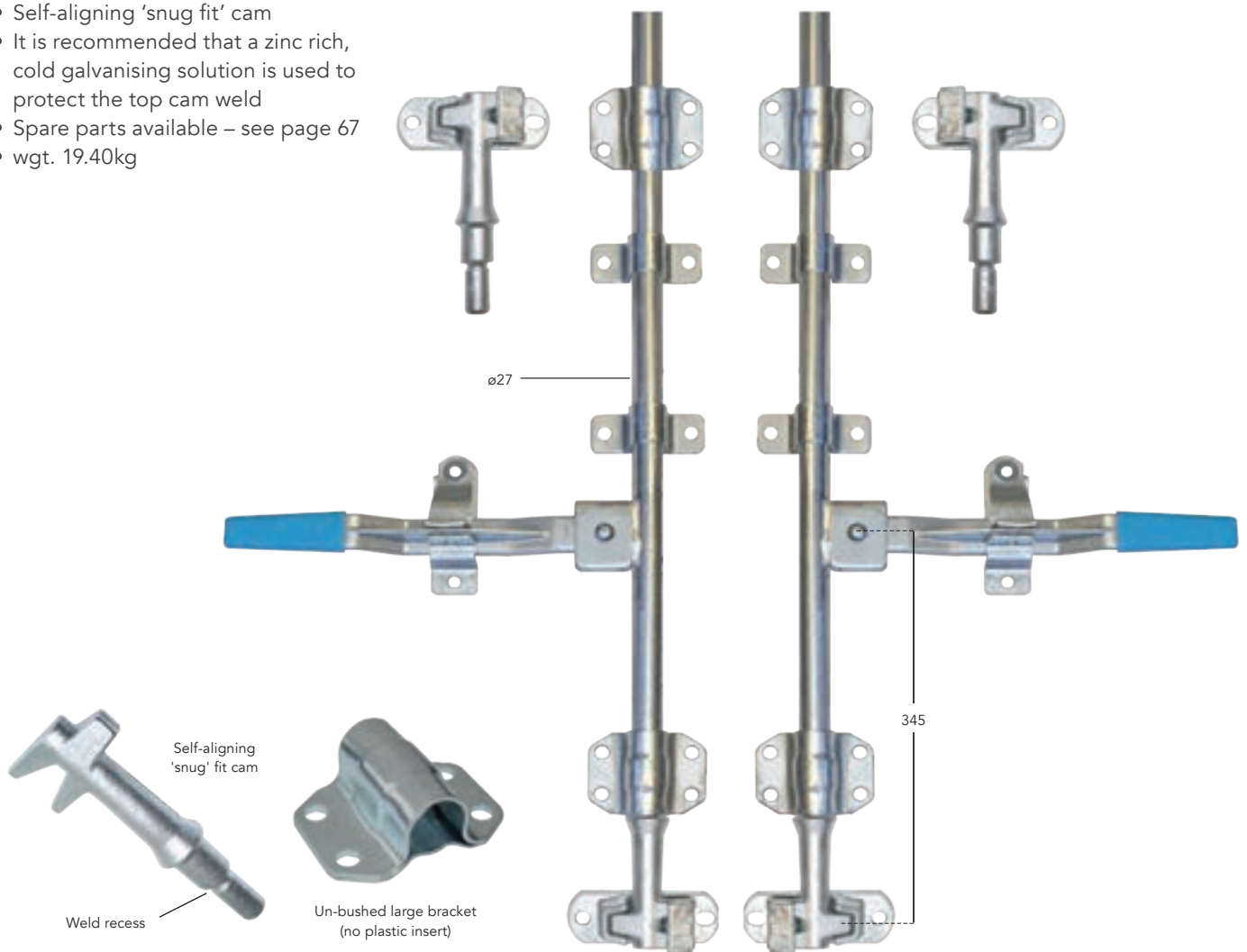
## Comm-Lock 27mm Un-Bushed Pre-Welded Door Locking Mechanism

Galvanized / Variable Height – Forged Handle

Fully welded except the top cam which can be welded at the required height

### LKGR27/345UFHLR

- Full set as shown, complete with forged handle and handle cover
- Supplied in pairs comprising of: 1 x left hand set, 1 x right hand set
- $\varnothing 27$  x L3000mm Galvanized tube
- Handle welded at 345mm from the centre of the bottom cam
- Fixed bottom cam - pre-welded
- Durable galvanized finish
- Good gather, excellent anti-rack properties
- Labour saving
- Self-aligning 'snug fit' cam
- It is recommended that a zinc rich, cold galvanising solution is used to protect the top cam weld
- Spare parts available – see page 67
- wgt. 19.40kg



## Gasket Set to Suit

### LKGR2027/BUGS

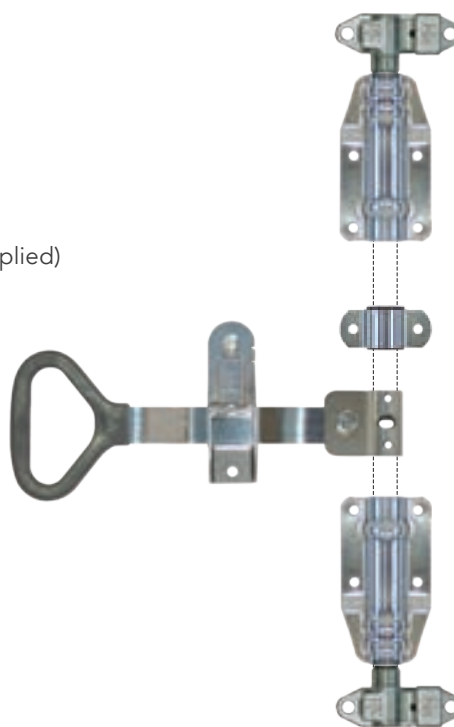
- 5 Parts
- Manufactured from 1mm natural rubber
- 2 sets required to suit the above door locking mechanism
- Provides a barrier between door lock components and door panel
- Anti-corrosion advantages
- wgt. 0.03kg



## FALLEBA Door Locking Mechanism

ø22mm – 'D' Grip & Flat Handle options  
Stainless Steel

- Suits both left and right hand doors
- 3 & 5 Tube clamp bracket options
- Wrap-around handle/tube hub attached by 2 x 'spirol' pins (not supplied)
- Bushed brackets (plastic inserts) to aid operation
- Good gather & excellent 'anti-rack' properties
- 304G Stainless steel
- Spare parts available to order

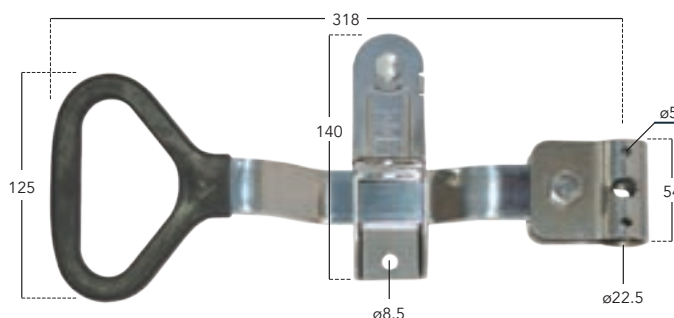


## 'D' Grip Handle

Stainless Steel

**MRF202830201**

- Supplied with handle retainer mechanism & handle/tube attachment hub
- 2 x 'Spirol' pins required (not supplied) to attach handle/tube hub - ø5 x 26mm
- 304G Stainless steel with plastic grip
- wgt. 1.34kg

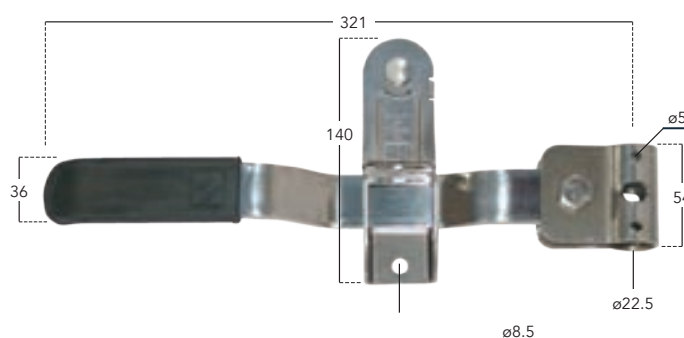


## Flat Handle

Stainless Steel

**MRF202710200**

- Supplied with handle retainer mechanism & handle/tube attachment hub
- 2 x 'Spirol' pins required (not supplied) to attach handle/tube hub - ø5 x 26mm
- 304G Stainless steel with plastic grip
- wgt. 1.04kg



## Anti-Rack Washer

Stainless Steel

**MRF202370213**

- Thickness: 3mm
- 304G Stainless steel
- wgt. 0.016kg

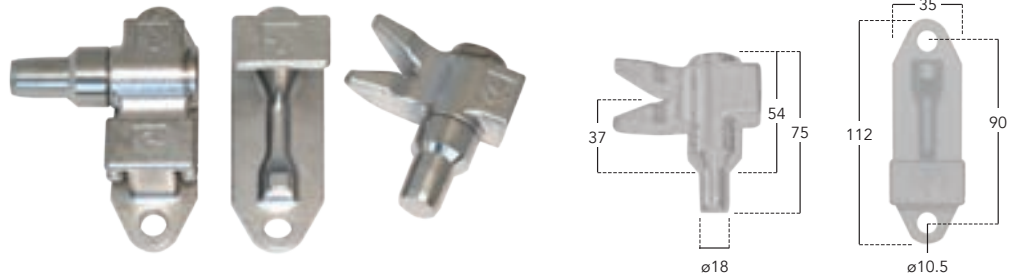


## Cam & Keeper Set

Stainless Steel

**MRF204100261**

- 2 x Weld-on cams & bolt-on keepers per set
- Investment cast
- 304G Stainless steel
- wgt. 1.17kg

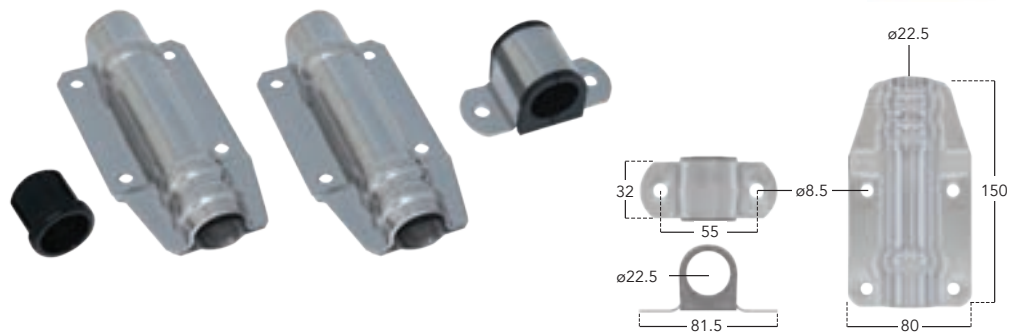


## Tube Clamp Set

3 Brackets

**MRF203020266**

- 2 x Large brackets & 1 x small bracket per set
- Supplied with back plates & plastic bushes
- 304G Stainless steel
- wgt. 0.93kg



## Tube Clamp Set

5 Brackets

**MRF203020256**

- 5 x Small brackets per set
- Supplied with back plates & plastic bushes
- 304G Stainless steel
- wgt. 0.55kg



## Tube to Suit

Stainless Steel

**LKGR22/2500SS**

- L2500 X  $\phi 22$ mm
- 2mm Wall thickness
- 304G Polished stainless steel
- See page 324 for our full range of tubes
- wgt. 2.35kg

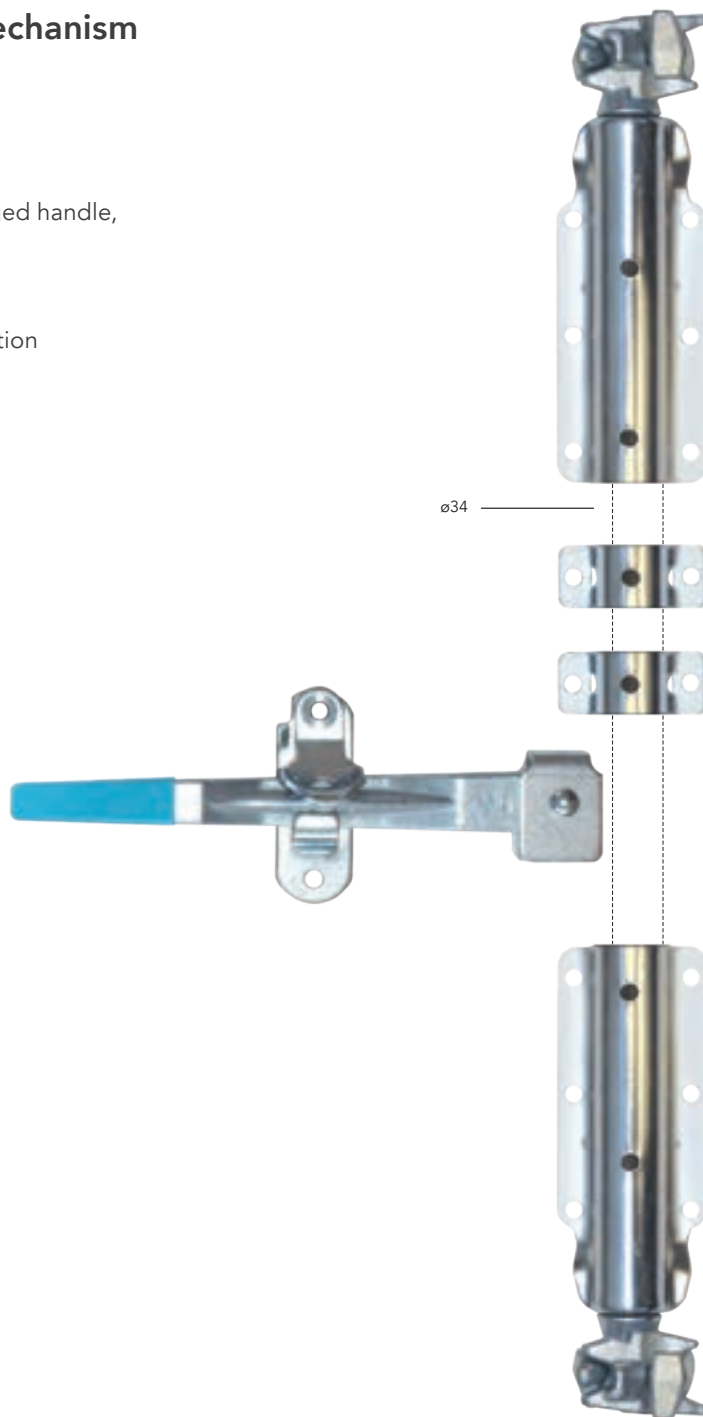
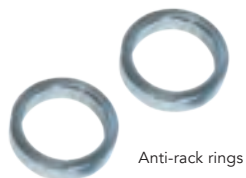


## 34mm Bushed Door Locking Mechanism

Zinc Plated  
Forged Handle

**LKGR2034/BU**

- Component set as shown, complete with forged handle, handle cover and weld-on keepers
- Heavy-duty design
- Suits both left and right hand doors
- Bushed brackets (plastic inserts) to aid operation
- Supplied with 2 x anti-rack rings
- Spare parts available to order
- Good gather, excellent anti-rack properties
- wgt. 5.10kg



## Tube to Suit

**LKGR34/3000GV**

- ø34 x L3000 x 3mm Wall thickness
- Galvanized
- See page 324 for our full range of tubes
- wgt. 7.43kg



## Comm-Lock Door Locking Mechanism Spare Parts



LKGR2027/FH

- wgt. 0.82kg



LKGR2027/DG

- wgt. 1.40kg



LKGR2027/HRM

- wgt. 0.56kg



LKGR2027/BUGS

- wgt. 0.03kg



LKGR2027/KEP

- wgt. 0.63kg



LKGR2027/CAM

- wgt. 0.85kg



LKGR2027/BU/SM/BLK

- wgt. 0.01kg



LKGR2027/BU/LG/BLK

- wgt. 0.02kg



LKGR2027/BU/SBKT/ZP

- wgt. 0.13kg



LKGR2027/BU/LBKT/ZP

- wgt. 0.24kg



LKGR2027/UB/SBKT/ZP

- wgt. 0.12kg



LKGR2027/UB/LBKT/ZP

- wgt. 0.23kg

- If you cannot find the part you're looking for please contact your local sales office who will be able to help

Suitable for use with:

| Part No.            | Description   | Suitable for use with: |               |             |               |                  |                |
|---------------------|---|------------------------|---------------|-------------|---------------|------------------|----------------|
|                     |   | LKGR2027/UB            | LKGR2027/UBDG | LKGR2027/BU | LKGR2027/BUDG | LKGR27/345/UDGLR | LKGR2027/UFHLR |
| LKGR2027/CAM        | Cam. Zinc plated  | ✓                      | ✓             | ✓           | ✓             | ✓                | ✓              |
| LKGR2027/KEP        | Keeper. Zinc plated   | ✓                      | ✓             | ✓           | ✓             | ✓                | ✓              |
| LKGR2027/FH         | Forged handle. Zinc plated c/w handle cover                               | ✓                      |               | ✓           |               |                  | ✓              |
| LKGR2027/DG         | 'D' Grip handle. Zinc plated  |                        | ✓             |             | ✓             | ✓                |                |
| LKGR2027/HRM        | Handle retainer mechanism. Includes: hub, catch, retainer, spacer & rivet | ✓                      | ✓             | ✓           | ✓             | ✓                | ✓              |
| LKGR2027/BU/SBKT/ZP | Small bracket. Bushed. Zinc plated  |                        |               | ✓           | ✓             |                  |                |
| LKGR2027/BU/LBKT/ZP | Large bracket. Bushed. Zinc plated  |                        |               | ✓           | ✓             |                  |                |
| LKGR2027/UB/SBKT/ZP | Small bracket. Un-bushed. Zinc plated                                     | ✓                      | ✓             |             |               | ✓                | ✓              |
| LKGR2027/UB/LBKT/ZP | Large bracket. Un-bushed. Zinc plated                                     | ✓                      | ✓             |             |               | ✓                | ✓              |
| LKGR2027/BUGS       | Gasket set. 5 parts. 1mm Natural rubber                                   | ✓                      | ✓             | ✓           | ✓             | ✓                | ✓              |
| LKGR2027/BU/SM/BLK  | Small bush. Black nylon   |                        |               | ✓           | ✓             |                  |                |
| LKGR2027/BU/LG/BLK  | Large bush. Black nylon   |                        |               | ✓           | ✓             |                  |                |

## Horsebox Ramp Closing Mechanism

Stainless Steel

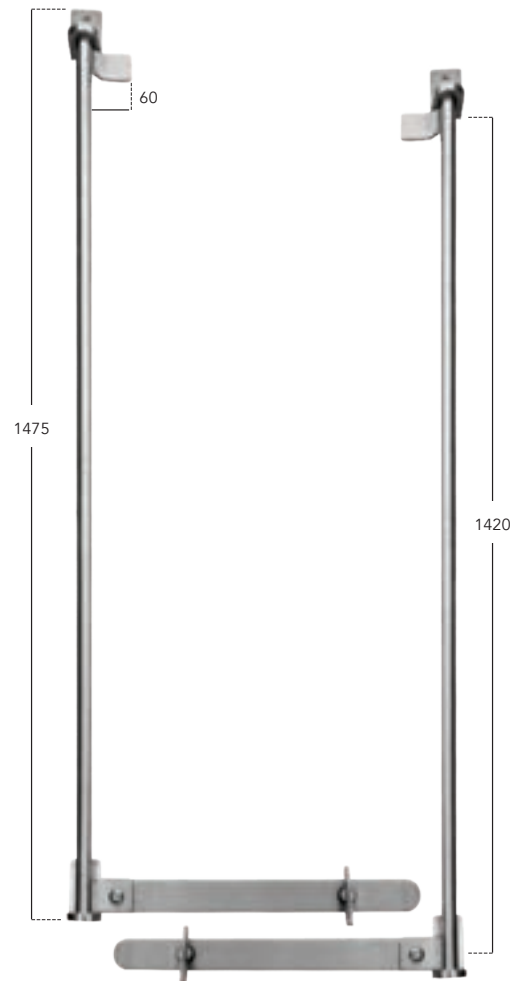
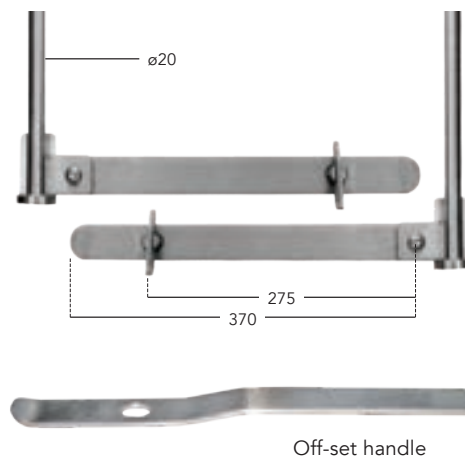
LKGR20/1475FHLLR/SS

LKGR20/1475OSHLR/SS

Flat handle

Off-set handle

- No welding required
- Complete set consists of:
- 2 x Droplock on plate
- 4 x mounting brackets and fixing screws
- 1 x pair of  $\varnothing 20$ mm solid stainless steel bars, complete with either a flat or off-set handle – 1420mm cam centres
- 304G polished stainless steel
- wgt. 10.00kg

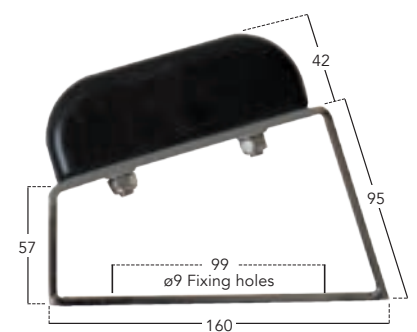


## Horsebox Ramp Buffer Foot

304G Stainless Steel

RUBF511/RFSS

- L160 x W41 x H137mm
- 304G Polished stainless steel (5mm) angled bracket
- 2 x  $\varnothing 9$ mm Fixing holes
- Corrosion resistant
- Supplied complete with RUBF511/EC buffer fitted
- wgt. 0.90kg



### 3-Way Rod Latch

Zinc Plated

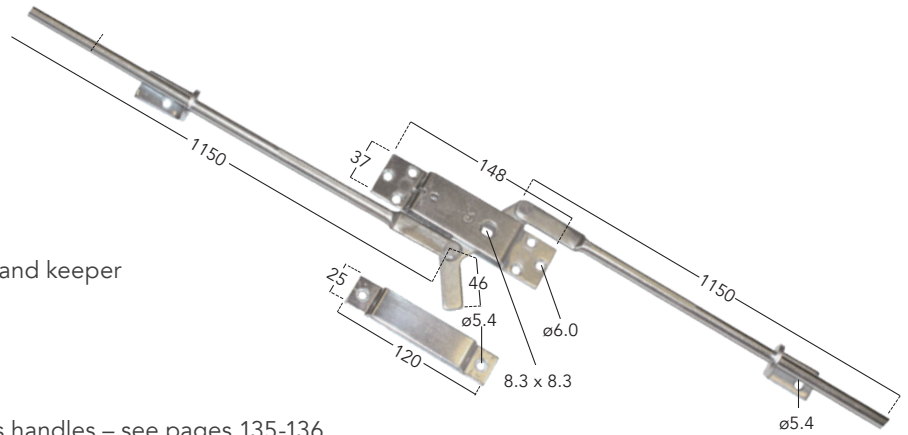
**LKGRCBF300/LH**

Left hand

**LKGRCBF300/RH**

Right hand

- Supplied complete with 2 x rod guides and keeper
- Rod:  $\varnothing 10\text{mm}$
- Length extended: 2264mm
- Length retracted: 2230mm
- Tongue length: 46mm
- Can be used in conjunction with various handles – see pages 135-136
- wgt. 1.85kg



**LKGRCBF300/LH**

Left hand



**LKGRCBF300/RH**

Right hand



**HEIGHT INDICATORS 264**



**SPRAY SUPPRESSION FLAPS**

**208-209**



**WONDER WIPES**

**277**



**FLUSH COMPRESSION LEVERS**

**141-142**



**INTERIOR LIGHTS**

**109-115**



**MRF DOOR LOCKS**

**70-80**

## BOREAS Surface Mounted Slam Lock

Ideally suited to the Home Delivery / Refrigerated Transport Industry

Stainless Steel



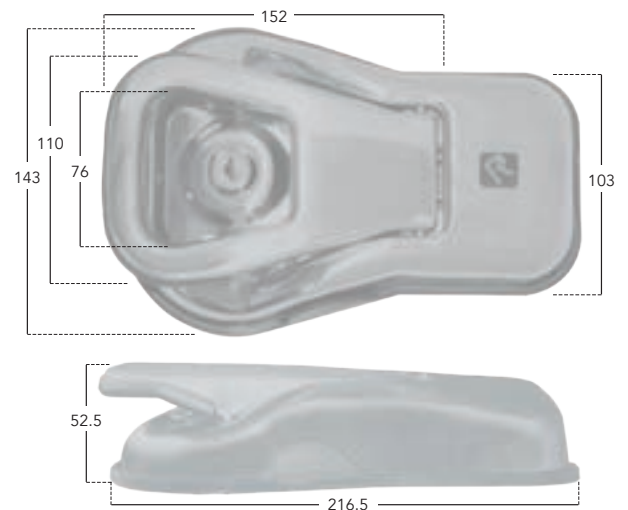
MRF 'BOREAS' Lock is a standard feature on home delivery vehicles, across the UK



Adjustable keeper block

### MRF285000201

- L216.5 x W143 x D52.5mm
- Robust construction - tested to 40,000 cycles (opening-closing)
- Direct opening system
- 4 x  $\varnothing$ 8.5mm Fixing holes
- M8 Countersunk screws recommended
- Supplied with adjustable keeper & 2 keys
- 304G Polished stainless steel
- Spare parts available, see page 80
- Installation instructions available upon request
- wgt. 1.40kg

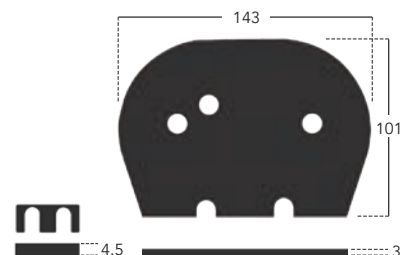


## Spacer Set

Black Plastic

### MRF285000201/PL

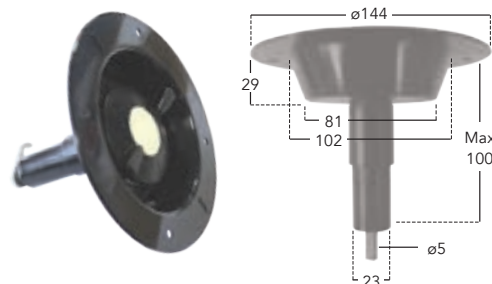
- Raises slam latch and keeper to clear door seals
- Set consists of: 1 x 3mm handle spacer & 1 x 4.5mm keeper spacer
- wgt. 0.04kg



## Internal 'TWIST' Release

### MRF202930603

- Suitable for door thickness up to 100mm
- Complete with luminous handle
- wgt. 0.16kg



## BOREAS Recessed Mounted Slam Lock

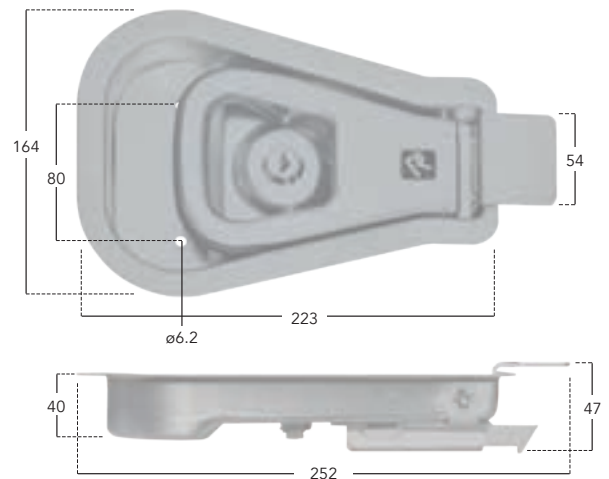
Ideally suited to the Home Delivery / Refrigerated Transport Industry

Stainless Steel



### MRF485000220

- L223 x W164 x D47mm
- Robust construction - tested to 40,000 cycles (opening-closing)
- Direct opening system
- 4 x  $\phi 6.2$ mm Fixing holes in pan
- Supplied with adjustable keeper & 2 keys
- Keeper can be adjusted up and down until the correct position is achieved
- 304G Polished stainless steel
- Spare parts available, see page 80
- Installation instructions available upon request
- wgt. 1.05kg



**HAZARD  
WARNING  
LAMPS**

**123-126**



**BUFFERS &  
FENDERS**

**29-37**



**LASHING  
RINGS**

**179-187**



## ATLAS 'Mini' Series

### ø16mm – Recessed Door Lock

Stainless Steel

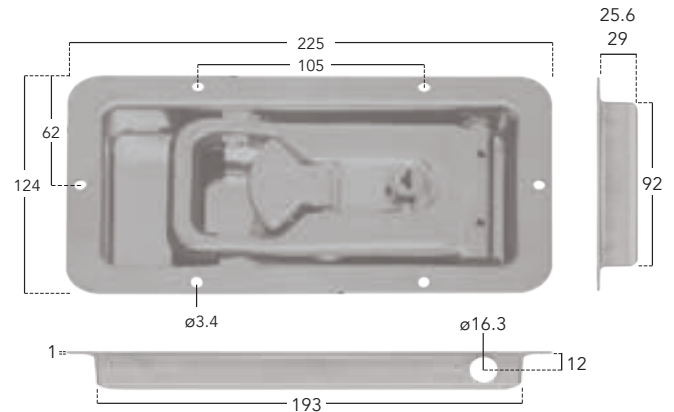
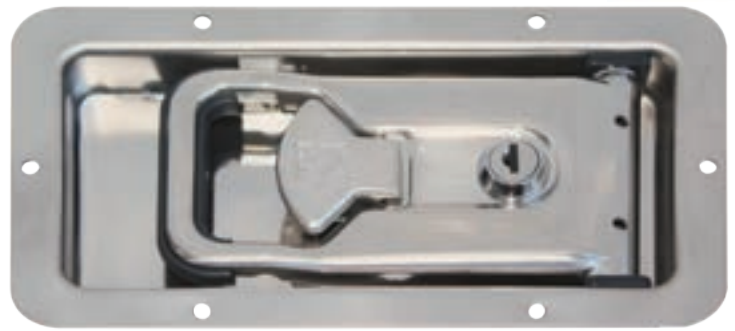
#### MRF202310203

- L225 x W124 x Pan Depth 25.6mm
- wgt. 0.68kg

#### MRF202330203

- L225 x W124 x Pan Depth 29mm
- wgt. 0.70kg

- 6 x ø3.4mm Fixing holes
- Thumb release mechanism
- Supplied with 2 keys
- Not suitable for use with internal release
- 304G Polished stainless steel
- Spare parts available, see page 80



## PEARES Series

### ø16mm – Recessed Door Lock

Stainless Steel

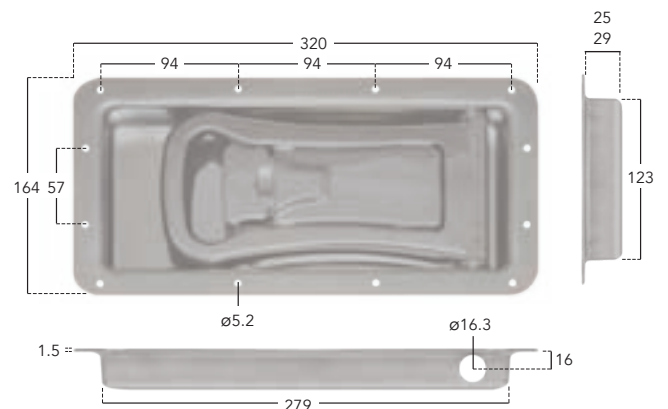
#### MRF202400253

- L320 x W164 x Pan Depth 25mm
- wgt. 1.69kg

#### MRF202080253

- L320 x W164 x Pan Depth 29mm
- wgt. 1.93kg

- 12 x ø5.2mm Fixing holes
- Thumb release mechanism
- Supplied with 2 keys
- Sprung loaded key cover
- 304G Polished stainless steel
- Spare parts available, see page 80



## Plastic Gasket Seal to Suit

#### MRF301010698

- Prevents water ingress
- Black plastic
- wgt. 0.02kg



## Cam & Keeper Set

Stainless steel

**MRF204060243**

- 2 x Weld-on cams & bolt-on keepers per set
- Investment cast
- Suitable for use with ATLAS & PEARES recessed door locks
- wgt. 0.38kg



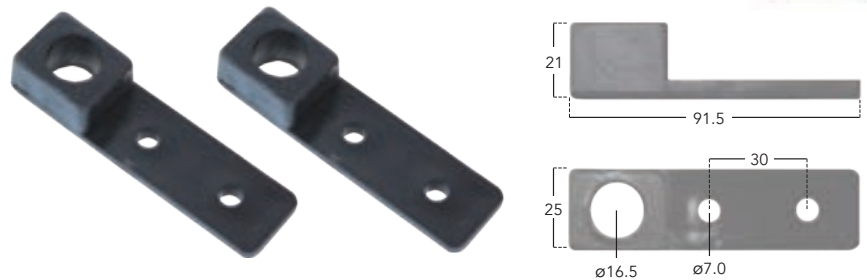
**MRF**  
SOLUTIONS

## Tube Guides

Black Nylon

**MRF301010633**

- L91.5 x W25 x H21mm
- 2 Guides per set
- Suitable for use with ATLAS & PEARES recessed door locks
- wgt. 0.03kg

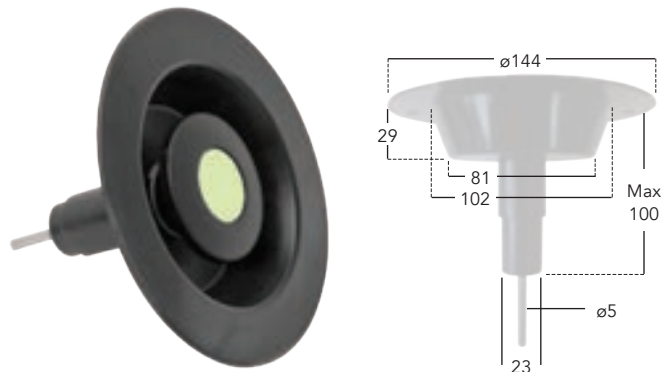


**MRF**  
SOLUTIONS

## Internal 'Push' Release

**MRF202740680**

- Suitable for door thickness up to 100mm
- Complete with luminous handle
- Suitable for use with ATLAS & PEARES recessed door locks
- wgt. 0.13kg



**MRF**  
SOLUTIONS

## Tube to Suit

**LKGR16/2000SS**

- $\phi 16$  x L2000mm
- 1mm Wall thickness • wgt. 0.66kg

**LKGR16/2500SS**

- $\phi 16$  x L2500mm
- 2mm Wall thickness • wgt. 1.60kg
- 304G Polished stainless steel
- Suitable for use with ATLAS & PEARES recessed door locks
- See page 324 for our full range of tubes



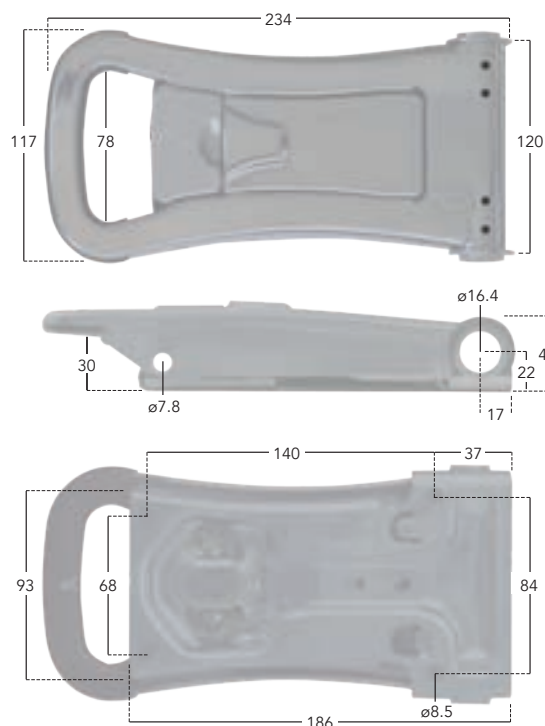
## PEARES Series

ø16mm - Surface Mounted Door Lock  
Stainless Steel



### MRF202290263

- L234 x W120 x D40mm
- 4 x ø8.5mm Fixing holes
- Supplied complete with internal handle spring, tested to 100,000 opening & closing cycles
- Thumb release mechanism
- Supplied with 2 keys
- Sprung loaded key cover
- Double anchorage push button allows opening from the inside when used in conjunction with **MRF202740680** internal release, even when the handle is locked
- 304G Polished stainless steel
- Spare parts available, see page 80
- wgt. 1.04kg



## DOOR SEALS & CAPPINGS

We stock door seals and cappings from 18mm to 85mm. Working in partnership with one of the leading plastic extruders in the UK enables us to offer a wide range of door seals from stock, with the ability to manufacture bespoke seals and cappings.



## 'ESCALIER' RANGE

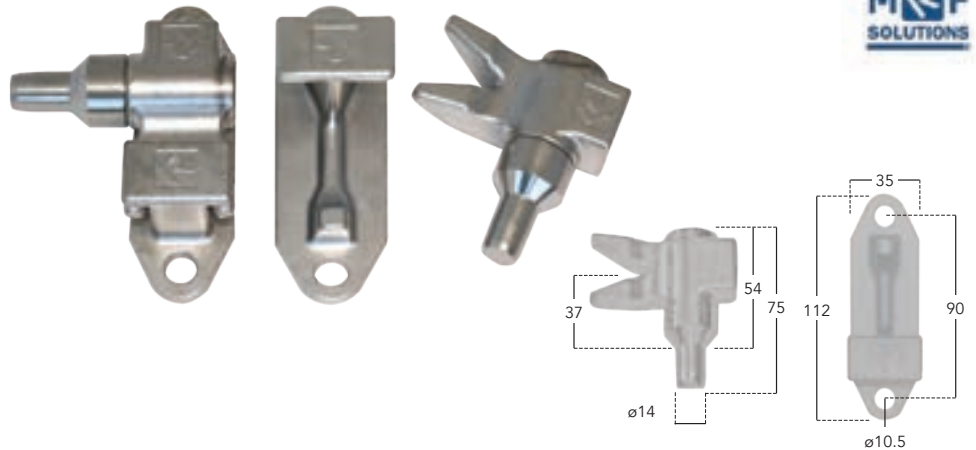
The 'Escalier' range is a premium collection of access steps, designed with the operator in mind. Offering heavy-duty steps, which incorporate patented raised treads and reduced width bottom rungs – a great health and safety feature to prevent 'finger-trap' incidents, due to operational misuse.

## Cam & Keeper Set

Stainless Steel

**MRF204100275**

- 2 x Weld-on cams & bolt-on keepers per set
- Investment cast
- 304G Stainless steel
- wgt. 0.71kg

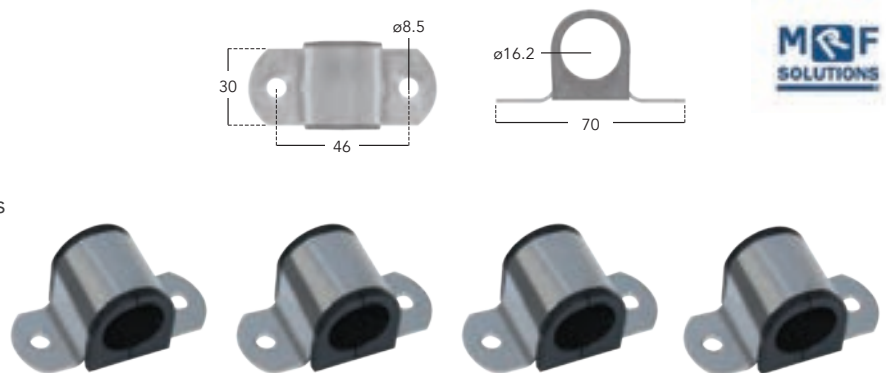


## Tube Clamp Set

4 Brackets

**MRF203020257**

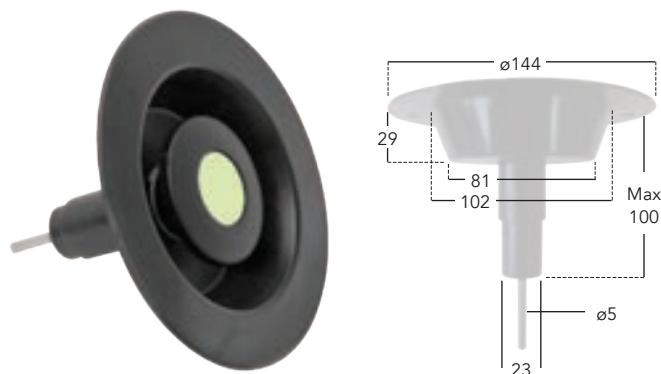
- 4 x Small brackets per set
- Supplied with back plates & plastic bushes
- 304G Stainless steel
- wgt. 0.28kg



## Internal 'Push' Release

**MRF202740680**

- Suitable for door thickness up to 100mm
- Complete with luminous handle
- wgt. 0.13kg



## Tube to Suit

**LKGR16/2000SS**

- $\phi 16 \times L2000\text{mm}$
- 1mm Wall thickness
- 304G Polished stainless steel
- See page 324 for our full range of tubes
- wgt. 0.66kg



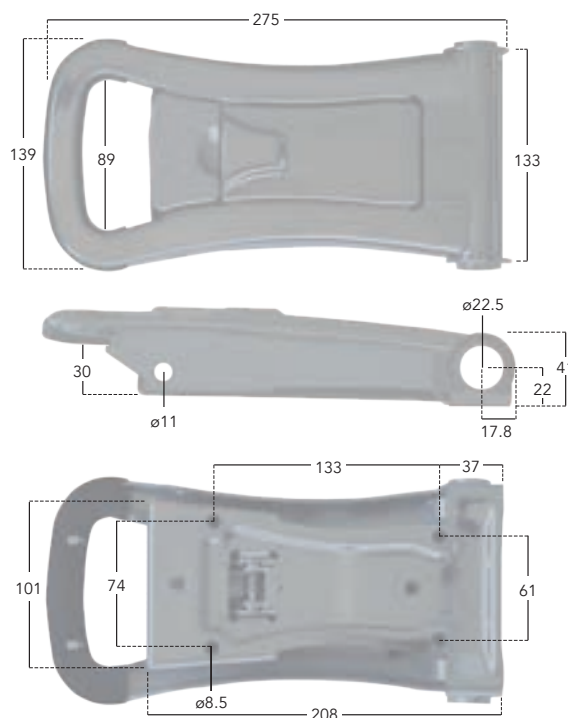
## PEARES Series

ø22mm - Surface Mounted Door Lock  
Stainless Steel



### MRF202050253

- L275 x W133 x D41mm
- 4 x ø8.5mm Fixing holes
- Supplied complete with internal handle spring, tested to 100,000 opening & closing cycles
- Thumb release mechanism
- Supplied with 2 keys
- Sprung loaded key cover
- Double anchorage push button allows opening from the inside when used in conjunction with **MRF202740680** internal release, even when the handle is locked
- 304G Polished stainless steel
- Spare parts available, see page 80
- wgt. 1.65kg

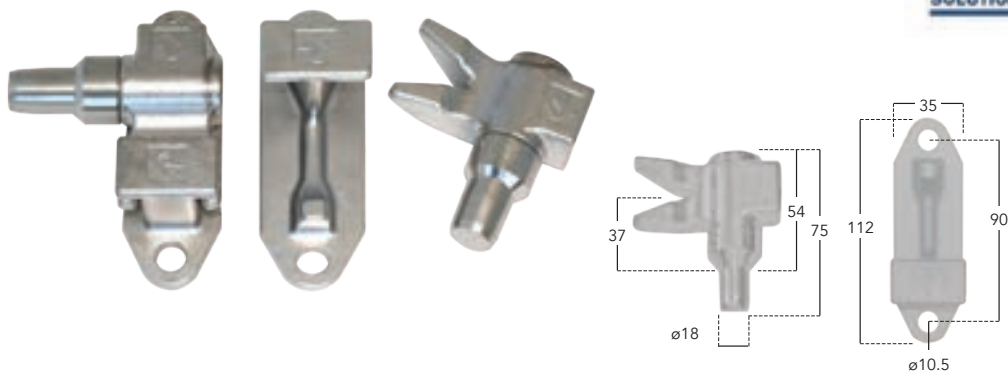


## Cam & Keeper Set

Stainless Steel

### MRF204100261

- 2 x Weld-on cams & bolt-on keepers per set
- Investment cast
- 304G Stainless steel
- wgt. 1.20kg

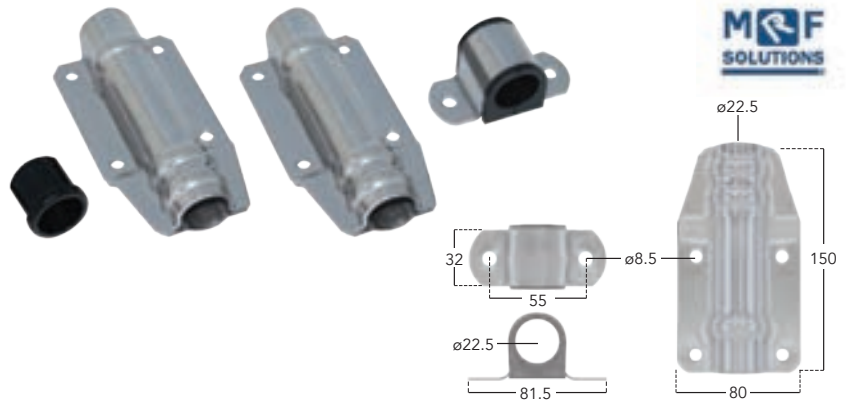


## Tube Clamp Set

3 Brackets

**MRF203020266**

- 2 x Large brackets & 1 x small bracket per set
- Supplied with back plates & plastic bushes
- 304G Stainless steel
- 5 Bracket set also available, see below
- wgt. 0.93kg

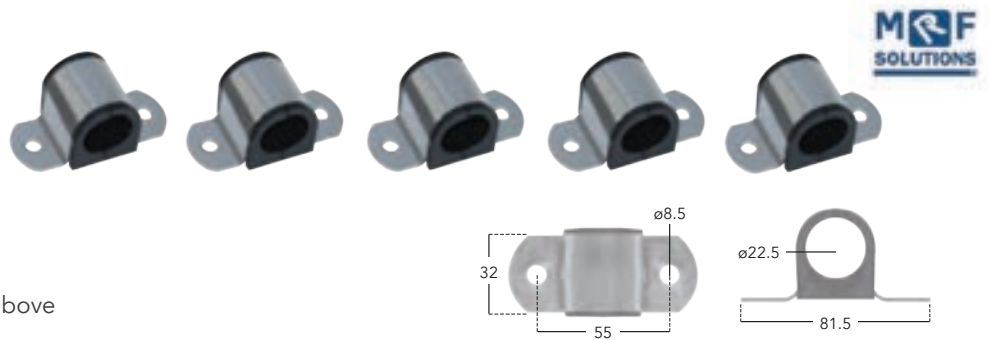


## Tube Clamp Set

5 Brackets

**MRF203020256**

- 5 x Small brackets per set
- Supplied with back plates & plastic bushes
- 304G Stainless steel
- 3 Bracket set also available, see above
- wgt. 0.55kg



## Anti-Rack Washer

Stainless Steel

**MRF202370213**

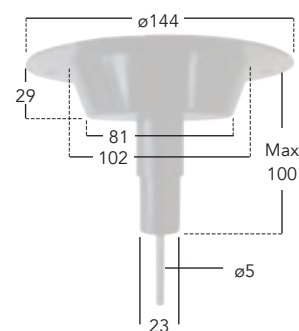
- Generally fitted between the cam heads and first brackets at each end of the mechanism
- Suitable for  $\varnothing 22\text{mm}$  tube
- 304G Stainless steel
- wgt. 0.016kg



## Internal 'Push' Release

**MRF202740680**

- Suitable for door thickness up to 100mm
- Complete with luminous handle
- wgt. 0.13kg



## Tube to Suit

**LKGR22/2500SS**

- $\varnothing 22 \times \text{L}2500\text{mm}$
- 304G Polished stainless steel
- See page 324 for our full range of tubes
- wgt. 2.35kg



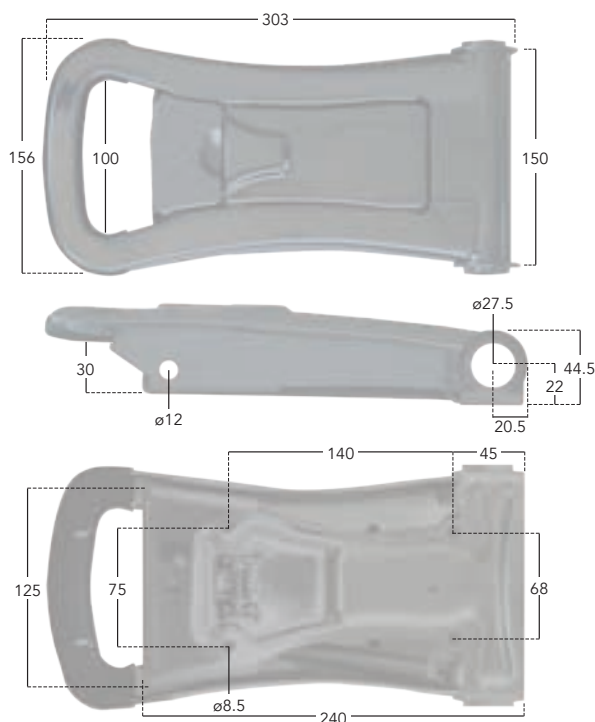
## PEARES Series

ø27mm - Surface Mounted Door Lock  
Stainless Steel



### MRF202040253

- L303 x W150 x D44.5mm
- 4 x ø8.5mm Fixing holes
- Supplied complete with internal handle spring, tested to 100,000 opening & closing cycles
- Thumb release mechanism
- Supplied with 2 keys
- Sprung loaded key cover
- Double anchorage push button allows opening from the inside when used in conjunction with **MRF202740680** internal release, even when the handle is locked
- 304G Polished stainless steel
- Spare parts available, see page 80
- wgt. 2.70kg



## DOOR SEALS & CAPPINGS

We stock door seals and cappings from 18mm to 85mm. Working in partnership with one of the leading plastic extruders in the UK enables us to offer a wide range of door seals from stock, with the ability to manufacture bespoke seals and cappings.



## 'ESCALIER' RANGE

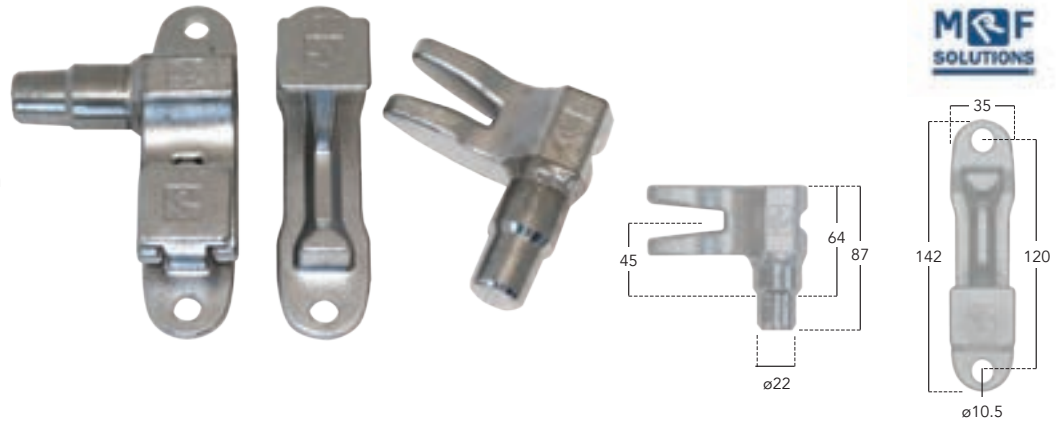
The 'Escalier' range is a premium collection of access steps, designed with the operator in mind. Offering heavy-duty steps, which incorporate patented raised treads and reduced width bottom rungs – a great health and safety feature to prevent 'finger-trap' incidents, due to operational misuse.

## Cam & Keeper Set

Stainless Steel

**MRF204110246**

- 2 x Weld-on cams & bolt-on keepers per set
- Investment cast
- 304G Stainless steel
- wgt. 1.98kg

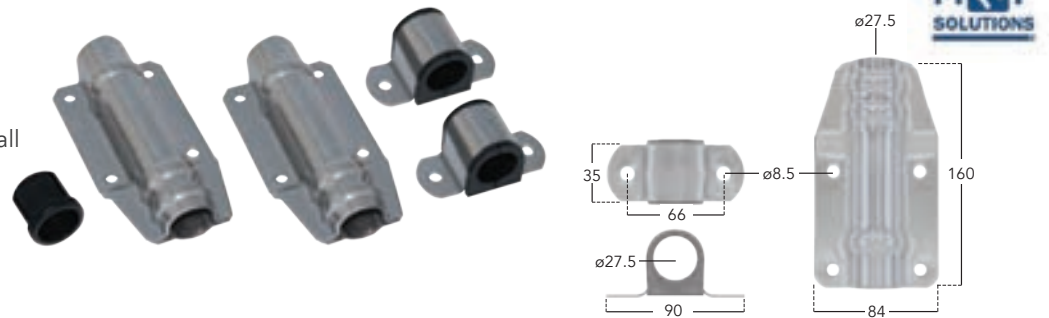


## Tube Clamp Set

4 Brackets

**MRF203020209**

- 2 x Large brackets & 2 x small brackets per set
- Supplied with back plates & plastic bushes
- 304G Stainless steel
- wgt. 1.42kg



## Anti-Rack Washer

Stainless Steel

**MRF202810213**

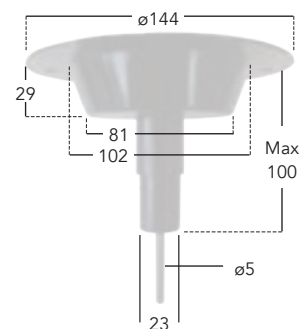
- Generally fitted between the cam heads and first brackets at each end of the mechanism
- Suitable for  $\phi 27\text{mm}$  tube
- 304G Stainless steel
- wgt. 0.020kg



## Internal 'Push' Release

**MRF202740680**

- Suitable for door thickness up to 100mm
- Complete with luminous handle
- wgt. 0.13kg



## Tube to Suit

**LKGR27/2500SS**

- $\phi 27 \times \text{L}2500\text{mm}$  • wgt. 2.87kg

**LKGR27/3000SS**

- $\phi 27 \times \text{L}3000\text{mm}$  • wgt. 3.45kg

- 2mm Wall thickness
- 304G Polished stainless steel
- See page 324 for our full range of tubes



## MRF Door Mechanism Spare Parts

**MRF301050101**

- wgt. 0.05kg

**MRF285000251/BC**

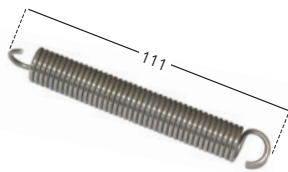
- wgt. 0.06kg

**MRF202120205**

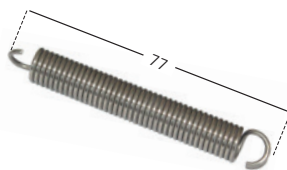
- wgt. 0.01kg

**MRF202200205**

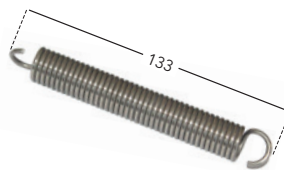
- wgt. 0.01kg

**MRF301020207**

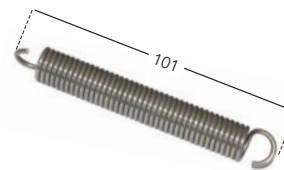
- wgt. 0.01kg

**MRF301020234**

- wgt. 0.01kg

**MRF302080201**

- wgt. 0.01kg

**MRF301020206**

- wgt. 0.01kg

**MRF301020221**

- wgt. 0.01kg

**MRF301020288**

- wgt. 0.01kg

- If you cannot find the part you're looking for please contact your local sales office who will be able to help
- When ordering MRF301050101 (replacement barrel & keys), please use the cross-reference chart below to match the corresponding cam

Suitable for use with:

| Part No.        | Description                              | MRF202310203 | MRF202330203 | MRF202290263 | MRF202050253 | MRF202040253 | MRF202400253 | MRF202080253 | MRF285000201 | MRF485000220 |
|-----------------|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| MRF301050101    | Replacement barrel & 2 keys              | ✓            | ✓            | ✓            | ✓            | ✓            | ✓            | ✓            |              | ✓            |
| MRF285000251/BC | Barrel, cam & keys to suit: MRF285000201 |              |              |              |              |              |              |              | ✓            |              |
| MRF202120205    | Cam to suit MRF301050101                 | ✓            | ✓            | ✓            |              |              | ✓            | ✓            |              | ✓            |
| MRF202200205    | Cam to suit MRF301050101                 |              |              |              | ✓            | ✓            |              |              |              |              |
| MRF301020207    | Handle spring                            |              |              |              |              | ✓            |              |              |              |              |
| MRF301020234    | Handle spring                            | ✓            | ✓            |              |              |              |              |              |              | ✓            |
| MRF302080201    | Handle spring                            |              |              | ✓            |              |              | ✓            | ✓            |              |              |
| MRF301020206    | Handle spring                            |              |              |              | ✓            |              |              |              |              |              |
| MRF301020221    | Push button spring                       | ✓            | ✓            | ✓            | ✓            | ✓            | ✓            | ✓            |              |              |
| MRF301020288    | Barrel flap cover spring                 |              |              | ✓            | ✓            | ✓            | ✓            | ✓            |              |              |

## Aluminium Faced Door Panels

Heavy Duty

### PLY8418/PAGDB

- L2440 x W1220 x T19.4mm • wgt. 46.00kg

### PLY9418/PAGDB

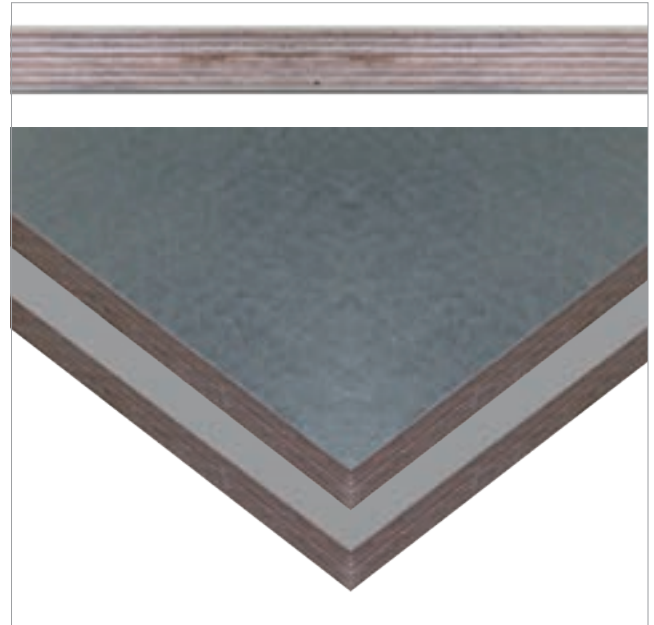
- L2745 x W1220 x T19.4mm • wgt. 51.75kg

### PLY10418/PAGDB

- L3048 x W1220 x T19.4mm • wgt. 57.50kg

### PLY11418/PAGDB

- L3355 x W1220 x T19.4mm • wgt. 63.25kg
- 0.90mm 5754 H46 Pre-primed aluminium exterior
- 0.50mm Galvanized steel interior
- 13 Ply – 18mm core
- Labour saving
- Smooth painting surface
- All edges and holes must be sealed during fitment. Failure to do so can lead to de-lamination problems due to water ingress



## GRP Faced Door Panels

Heavy Duty - Panolit 'CPR'

### PLY8420/GRP

- L2440 x W1220 x T20mm • wgt. 34.60kg

### PLY9420/GRP

- L2745 x W1220 x T20mm • wgt. 38.92kg

### PLY10420/GRP

- L3048 x W1220 x T20mm • wgt. 43.25kg
- Plywood core coated on both sides with white fibreglass re-inforced polyester resin
- Multi-ply core
- All edges and holes must be sealed during fitment. Failure to do so can lead to de-lamination problems due to water ingress

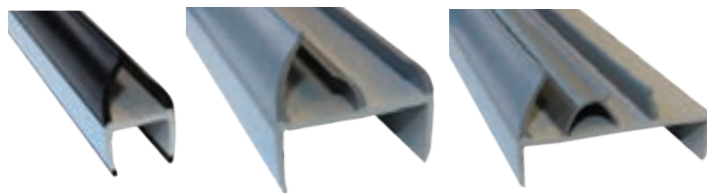


## DOOR SEALS & CAPPINGS

We stock door seals and cappings from 18mm to 85mm. Working in partnership with one of the leading plastic extruders in the UK enables us to offer a wide range of door seals from stock, with the ability to manufacture bespoke seals and cappings.

## TLS Door Seals and Cappings

We stock a large range of door seals manufactured exclusively for TLS, to suit both dry freight and temperature controlled vehicles. All door seals are co-extruded, using a PVC carrier and bonded together with flexible PVC seals



### Door Seal

Corner Pieces – Tapered  
Used to adhere and mask mitred corners

- All corner pieces are pre-cut and supplied in bags of 100
- It is recommended that a one-part or two-part cyanoacrylate adhesive is used to bond corner pieces.
- A plastic primer can be used for superior adhesion, please ensure that any PVC resin is removed prior to fitment

#### RUSLCP/40/100B

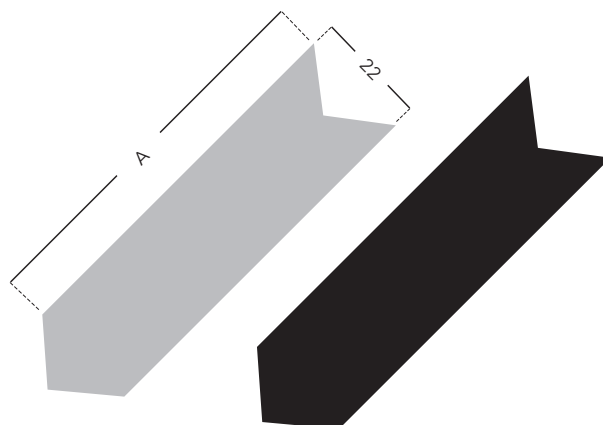
- A: 40mm
- Black flexible PVC
- wgt. 0.17kg per 100

#### RUSLCP/70/100G

- A: 70mm
- Grey flexible PVC
- wgt. 0.28kg per 100

#### RUSLCP/65/100B

- A: 65mm
- Black flexible PVC
- wgt. 0.28kg per 100



### Corner piece material – Uncut

#### RUSLCP/3250/UNCUT/B

- Black flexible PVC
- Uncut rolls of 32.5 metre material
- wgt. 1.13kg per Roll

#### RUSLCP/3250/UNCUT/G

- Grey flexible PVC
- Uncut rolls of 32.5 metre material
- wgt. 1.13kg per Roll

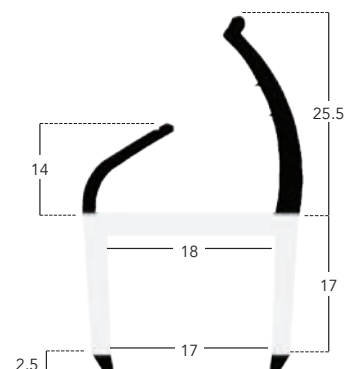


### Door Seal

18mm

#### RUSL18/5000/WB

- Length: 5000mm
- Black flippers / white carrier
- All door seals are co-extruded, using a PVC carrier and bonded together with flexible PVC seals
- wgt. 1.80kg

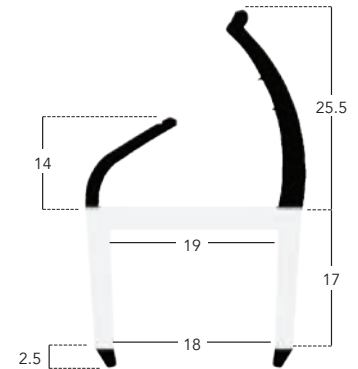


## Door Seal

19mm

### RUSL19/4000/WB

- Length: 4000mm
- Black flippers / white carrier
- All door seals are co-extruded, using a PVC carrier and bonded together with flexible PVC seals
- wgt. 1.48kg

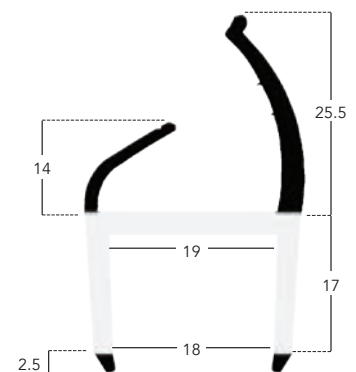


## Door Seal

19mm

### RUSL19/5000/WB

- Length: 5000mm
- Black flippers / white carrier
- All door seals are co-extruded, using a PVC carrier and bonded together with flexible PVC seals
- wgt. 1.85kg

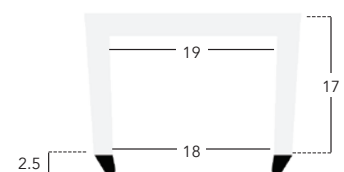


## Door Capping

19mm

### RUSL19/3000/CAP/W

- Length: 3000mm
- White capping (no flippers)
- Manufactured from impact modified rigid PVC, the carriers are co-extruded with nitrile rubber / PVC base seals
- wgt. 0.50kg

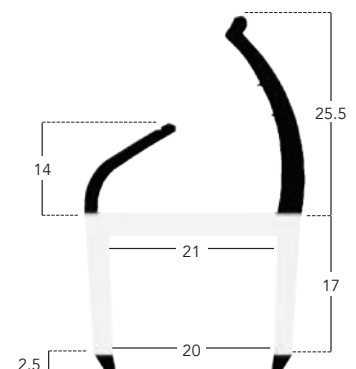


## Door Seal

21mm

### RUSL21/5000/WB

- Length: 5000mm
- Black flippers / white carrier
- All door seals are co-extruded, using a PVC carrier and bonded together with flexible PVC seals
- wgt. 1.90kg

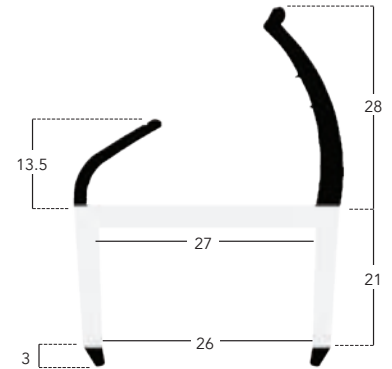


## Door Seal

27mm

### RUSL27/5000/WB

- Length: 5000mm
- Black flippers / white carrier
- All door seals are co-extruded, using a PVC carrier and bonded together with flexible PVC seals
- wgt. 2.10kg

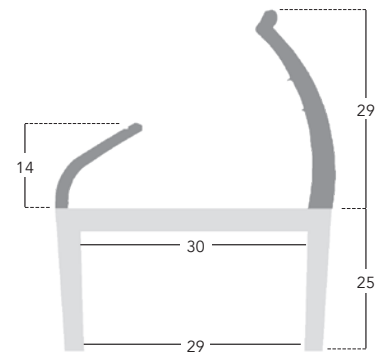


## Door Seal

30mm

### RUSL30/5000/GG

- Length: 5000mm
- Grey flippers / grey carrier
- Commonly used in refrigerated applications
- All door seals are co-extruded, using a PVC carrier and bonded together with flexible PVC seals
- wgt. 2.40kg

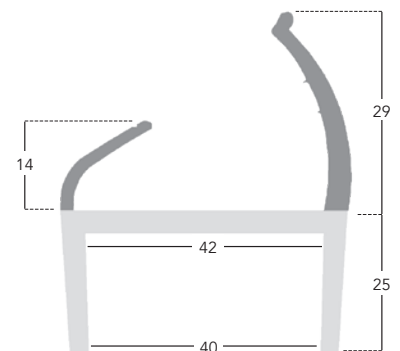


## Door Seal

42mm

### RUSL42/5000/GG

- Length: 5000mm
- Grey flippers / grey carrier
- Commonly used in refrigerated applications
- All door seals are co-extruded, using a PVC carrier and bonded together with flexible PVC seals
- wgt. 2.60kg

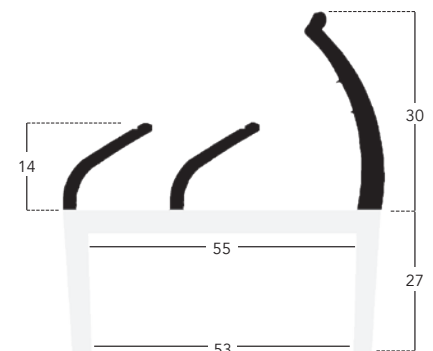


## Door Seal

55mm

### RUSL55/5000/WB

- Length: 5000mm
- Black flippers / white carrier
- Commonly used in refrigerated applications
- All door seals are co-extruded, using a PVC carrier and bonded together with flexible PVC seals
- wgt. 3.10kg

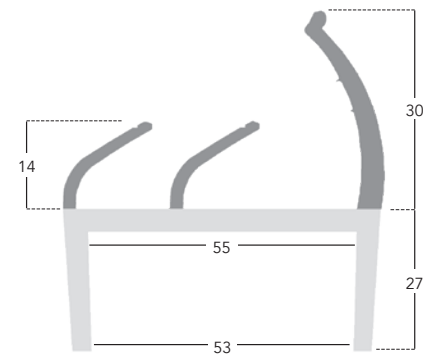


## Door Seal

55mm

### RUSL55/5000/GG

- Length: 5000mm
- Grey flippers / grey carrier
- Commonly used in refrigerated applications
- All door seals are co-extruded, using a PVC carrier and bonded together with flexible PVC seals
- wgt. 3.10kg

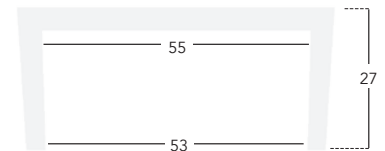


## Door Capping

55mm

### RUSL55/5000/CAP/W

- Length: 5000mm
- White capping (no flippers)
- Commonly used in refrigerated applications
- Manufactured from impact modified rigid PVC
- wgt. 2.90kg

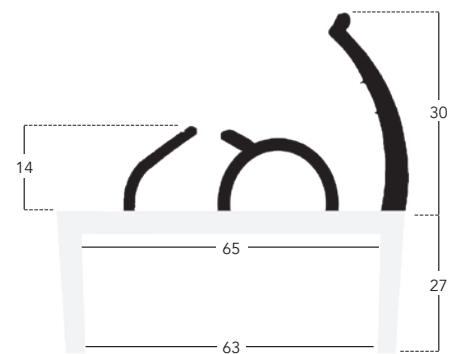


## Door Seal

65mm

### RUSL65/5000/WB

- Length: 5000mm
- Black flippers / white carrier
- Commonly used in refrigerated applications
- All door seals are co-extruded, using a PVC carrier and bonded together with flexible PVC seals
- wgt. 3.60kg

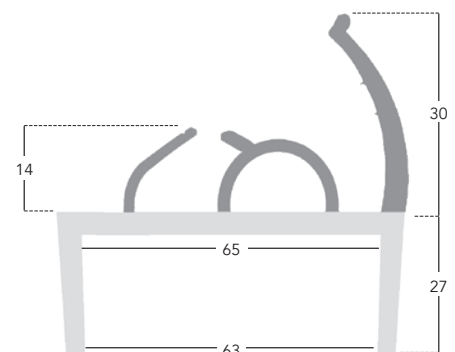


## Door Seal

65mm

### RUSL65/5000/GG

- Length: 5000mm
- Grey flippers / grey carrier
- Commonly used in refrigerated applications
- All door seals are co-extruded, using a PVC carrier and bonded together with flexible PVC seals
- wgt. 3.60kg

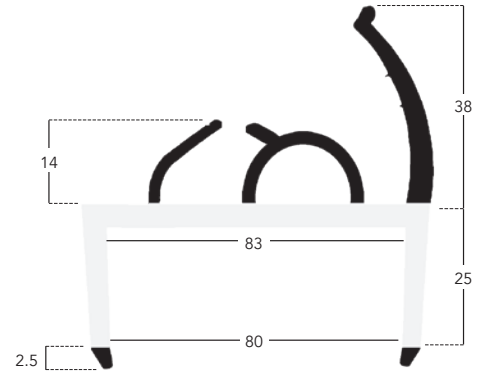


## Door Seal

83mm

**RUSL83/5000/WB**

- Length: 5000mm
- Black flippers / white carrier
- Commonly used in refrigerated applications
- All door seals are co-extruded, using a PVC carrier and bonded together with flexible PVC seals
- wgt. 3.75kg

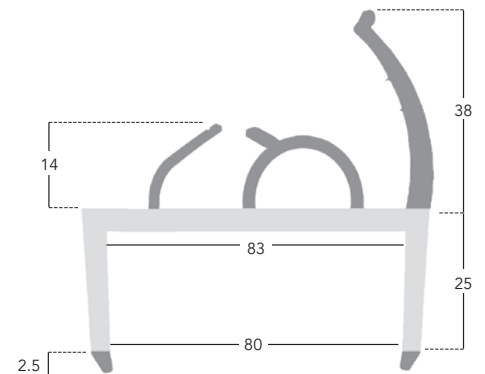


## Door Seal

83mm

**RUSL83/5000/GG**

- Length: 5000mm
- Grey flippers / grey carrier
- Commonly used in refrigerated applications
- All door seals are co-extruded, using a PVC carrier and bonded together with flexible PVC seals
- wgt. 3.75kg

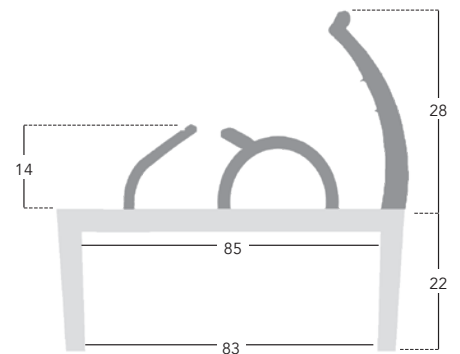


## Door Seal

85mm

**RUSL85/5000/GG**

- Length: 5000mm
- Grey flippers / grey carrier
- Commonly used in refrigerated applications
- All door seals are co-extruded, using a PVC carrier and bonded together with flexible PVC seals
- wgt. 3.80kg

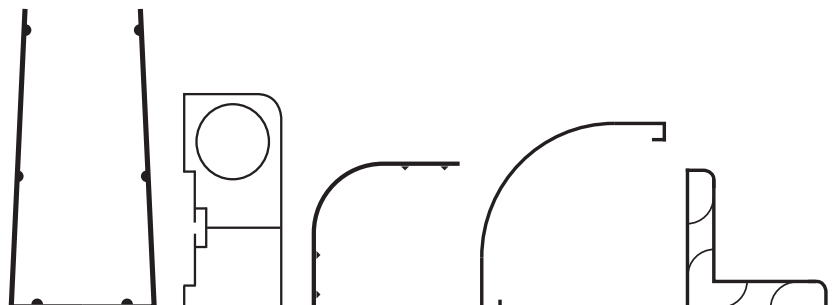


## Bespoke Service Available

Custom extrusions can be manufactured to customers own requirements.

We can supply bespoke rigid, flexible and co-extruded profiles in a range of materials including PVC, ABS, Styrene, ASA, PP, HDPE, TPU and many more.

Contact us for more information.



## Eliminate Rusty Droplock Fasteners

TLS's exclusive clear passivate CP350 treatment offers in excess of 350 hours of salt spray resistance to white rust and over 500 hours for the appearance of red rust.

Photo shows the result after 350h salt spray testing (ASTM B117). Head-to-Head with an alternative brand, the CP350 coated droplock shows virtually no deterioration compared to the other unit, fully covered in red rust, clearly showing the benefits of CP350.

Not only do our CP350 coated droplocks withstand the harshest of weather conditions, they look great too!



Our Droplock

Alternative Brand

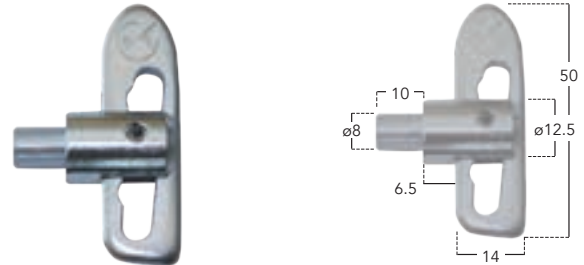
## 'Mini' Droplock Fastener

Weld-on

CP350 Clear Passivate Surface Coating

### DROP74

- 12.5mm Neck
- 8 x 10mm Plain shank
- Suits 6mm ironwork
- Exceptional resistance to corrosion
- wgt. 0.03kg



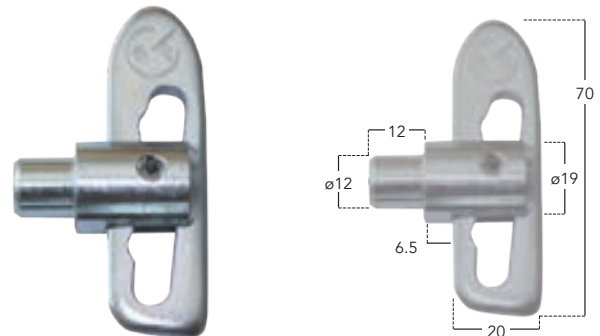
## Droplock Fastener

Weld-on

CP350 Clear Passivate Surface Coating

### DROP32

- 19mm Neck
- 12 x 12mm Plain shank
- Suits 6mm ironwork
- Exceptional resistance to corrosion
- wgt. 0.09kg



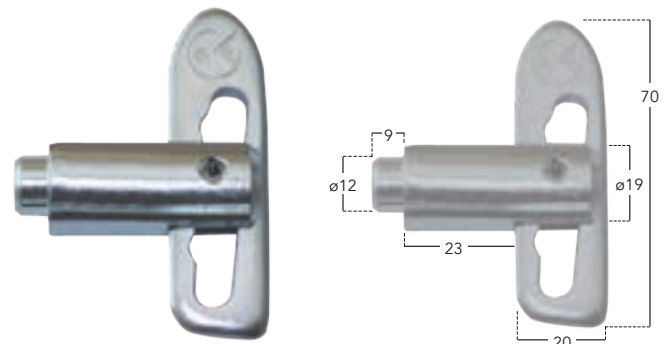
## Droplock Fastener

Weld-on

CP350 Clear Passivate Surface Coating

### DROP65

- 19mm Neck
- 12 x 9mm Plain shank
- Suits 22mm ironwork
- Exceptional resistance to corrosion
- wgt. 0.12kg

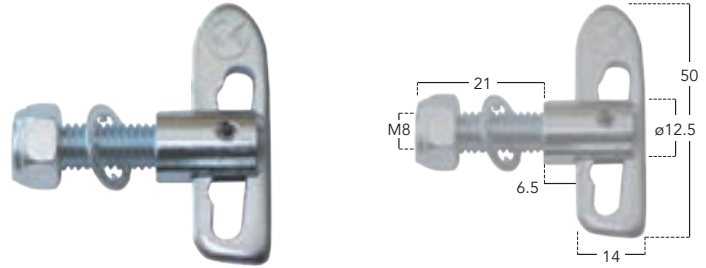


### 'Mini' Droplock Fastener

Bolt-on – CP350 Clear Passivate Surface Coating

#### DROP85

- 12.5mm Neck • M8 Thread
- 21mm Threaded shank
- Supplied with nyloc nut and washer
- Suits 6mm ironwork
- Exceptional resistance to corrosion
- wgt. 0.04kg

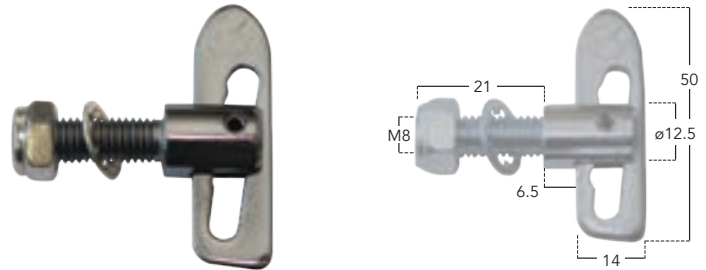


### 'Mini' Droplock Fastener

Bolt-on – 304G Stainless Steel

#### DROP85/SS

- 12.5mm Neck • M8 Thread
- 21mm Threaded shank
- Supplied with nyloc nut and washer
- Suits 6mm ironwork
- Corrosion resistant
- wgt. 0.04kg

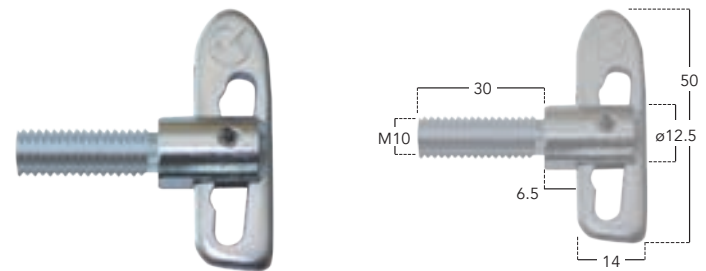


### 'Mini' Droplock Fastener

Bolt-on – CP350 Clear Passivate Surface Coating

#### DROP85/3010

- 12.5mm Neck
- 30mm Threaded shank
- M10 Thread
- Suits 6mm ironwork
- Exceptional resistance to corrosion
- wgt. 0.06kg

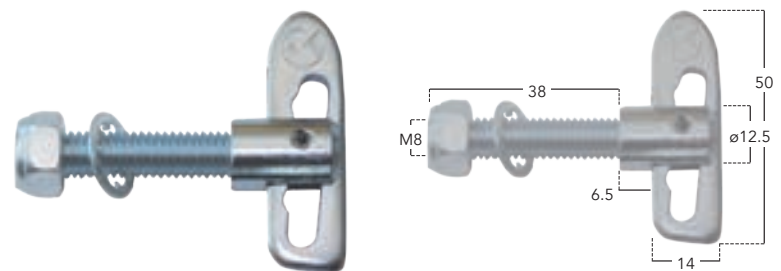


### 'Mini' Droplock Fastener

Bolt-on – CP350 Clear Passivate Surface Coating

#### DROP85/38

- 12.5mm Neck • M8 Thread
- 38mm Threaded shank
- Supplied with nyloc nut and washer
- Suits 6mm ironwork
- Exceptional resistance to corrosion
- wgt. 0.05kg

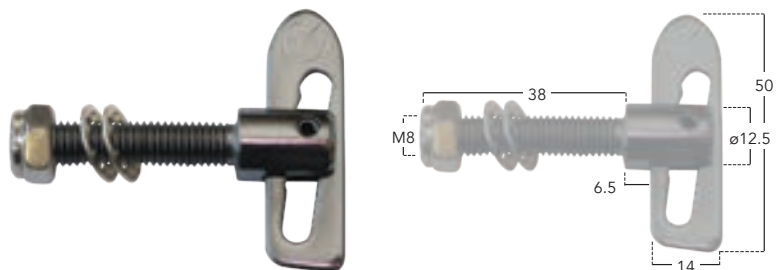


### 'Mini' Droplock Fastener

Bolt-on – 304G Stainless Steel

#### DROP85/38SS

- 12.5mm Neck • M8 Thread
- 38mm Threaded shank
- Supplied with nyloc nut and 2 washers
- Suits 6mm ironwork
- Corrosion resistant
- wgt. 0.05kg

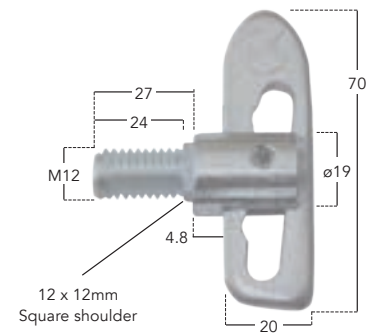


## Droplock Fastener

Bolt-on – CP350 Clear Passivate Surface Coating

### DROP45

- 19mm Neck • M12 Thread
- 24mm Threaded shank
- 12 x 12mm Square shoulder
- Suits 4.5mm ironwork • Nyloc nut to suit: DROPM12/ZP
- Exceptional resistance to corrosion
- wgt. 0.09kg

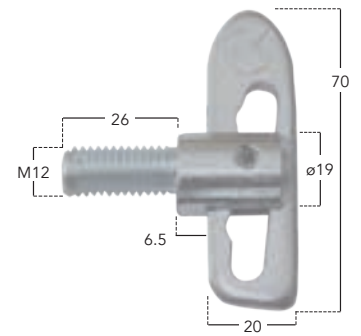


## Droplock Fastener

Bolt-on – CP350 Clear Passivate Surface Coating

### DROP63

- 19mm Neck • M12 Thread
- 26mm Threaded shank
- Suits 6mm ironwork
- Nyloc nut to suit: DROPM12/ZP
- Exceptional resistance to corrosion
- wgt. 0.09kg

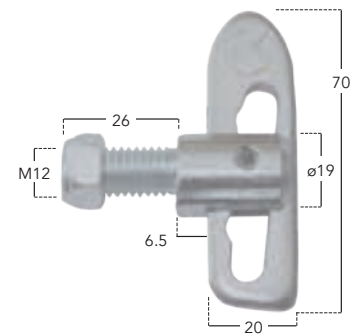


## Droplock Fastener

Bolt-on – CP350 Clear Passivate Surface Coating

### DROP63/M12/ZP

- 19mm Neck • M12 Thread
- 26mm Threaded shank
- Suits 6mm ironwork
- Supplied complete with M12 nyloc nut
- Exceptional resistance to corrosion
- wgt. 0.10kg

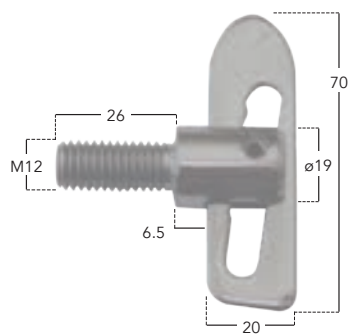


## Droplock Fastener

Bolt-on – 304G Stainless Steel

### DROP63/SS

- 19mm Neck • M12 Thread
- 26mm Threaded shank
- Suits 6mm ironwork
- Nyloc nut to suit: DROPM12/SS
- Corrosion resistant
- wgt. 0.09kg

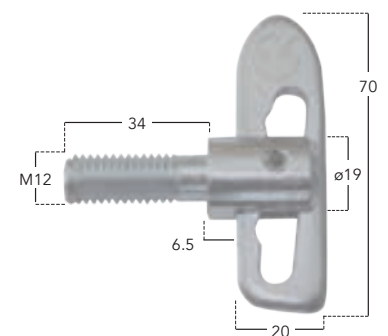


## Droplock Fastener

Bolt-on – CP350 Clear Passivate Surface Coating

### DROP75

- 19mm Neck • M12 Thread
- 34mm Threaded shank
- Suits 6mm ironwork
- Nyloc nut to suit: DROPM12/ZP
- Exceptional resistance to corrosion
- wgt. 0.11kg

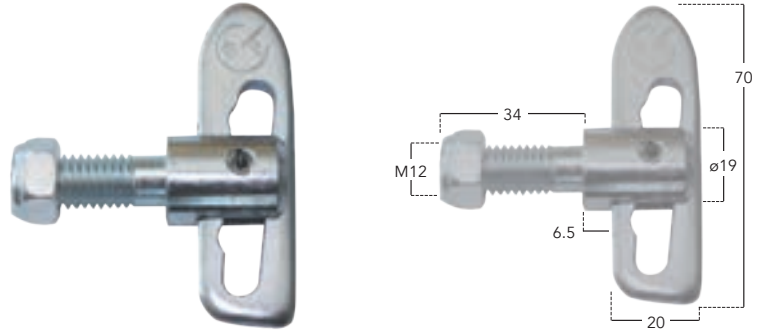


## Droplock Fastener

Bolt-on – CP350 Clear Passivate Surface Coating

### DROP75/M12/ZP

- 19mm Neck • M12 Thread
- 34mm Threaded shank
- Suits 6mm ironwork
- Supplied complete with M12 nyloc nut
- Exceptional resistance to corrosion
- wgt. 0.12kg

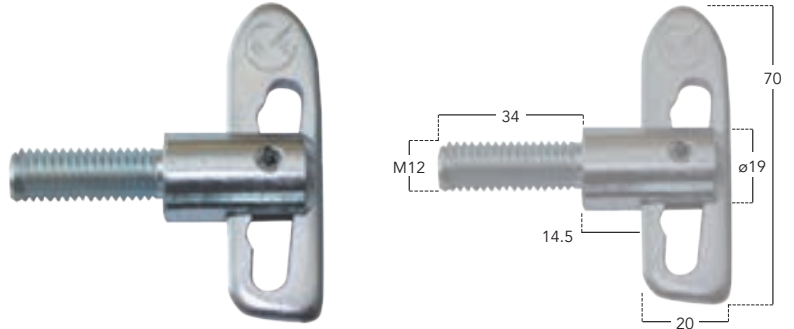


## Droplock Fastener

Bolt-on – CP350 Clear Passivate Surface Coating

### DROP89

- 19mm Neck • M12 Thread
- 34mm Threaded shank
- Suits 14mm ironwork
- Nyloc nut to suit: DROPM12/ZP
- Exceptional resistance to corrosion
- wgt. 0.13kg

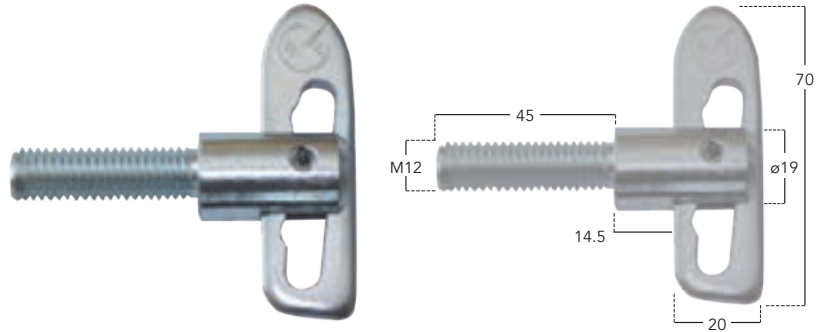


## Droplock Fastener

Bolt-on – CP350 Clear Passivate Surface Coating

### DROP89/45

- 19mm Neck • M12 Thread
- 45mm Threaded shank
- Suits 14mm ironwork
- Nyloc nut to suit: DROPM12/ZP
- Exceptional resistance to corrosion
- wgt. 0.13kg

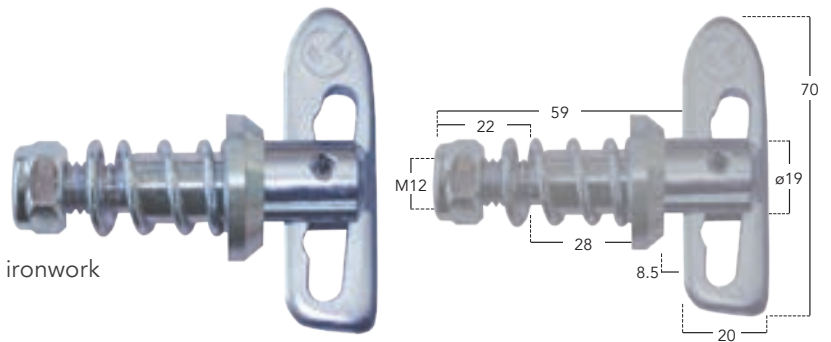


## 'Brewery' Droplock Fastener

Bolt-on – CP350 Clear Passivate Surface Coating

### DROP84

- 19mm Neck • M12 Thread
- 22mm Threaded shank
- Spring loaded
- Suits 19mm I.D. tubular side rail and 8 to 12mm ironwork
- For use with DROPM12/ZP
- Supplied complete with M12 nyloc nut
- Exceptional resistance to corrosion • wgt. 0.18kg

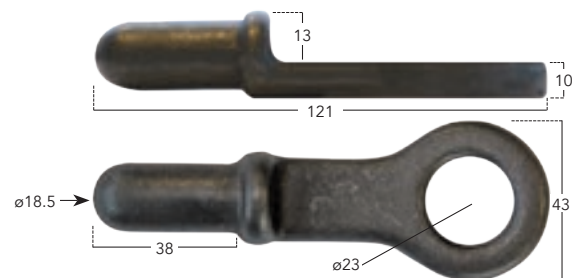


## 'Brewery' Eye Plate

Weld-on – Self Colour

### DROP84/EYE/SC

- Generally used on brewery delivery vehicles incorporating side rails
- For use with DROPM12/ZP
- wgt. 0.23kg

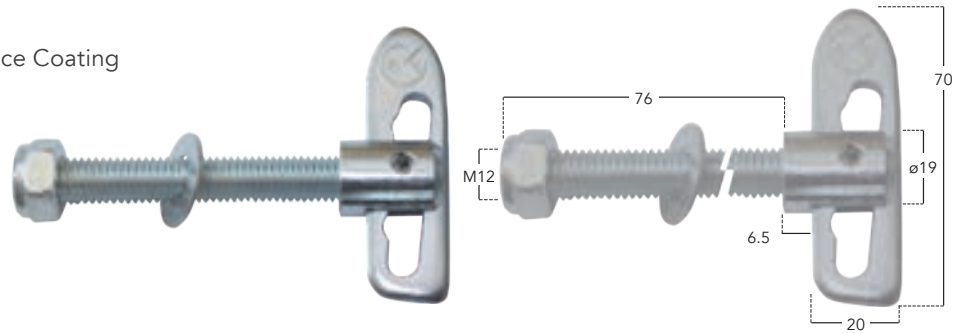


### Droplock Fastener

Bolt-on – CP350 Clear Passivate Surface Coating

**DROP25**

- 19mm Neck • M12 Thread
- 76mm Threaded shank
- Supplied with nyloc nut and washer
- Suits 6mm ironwork
- Exceptional resistance to corrosion
- wgt. 0.14kg

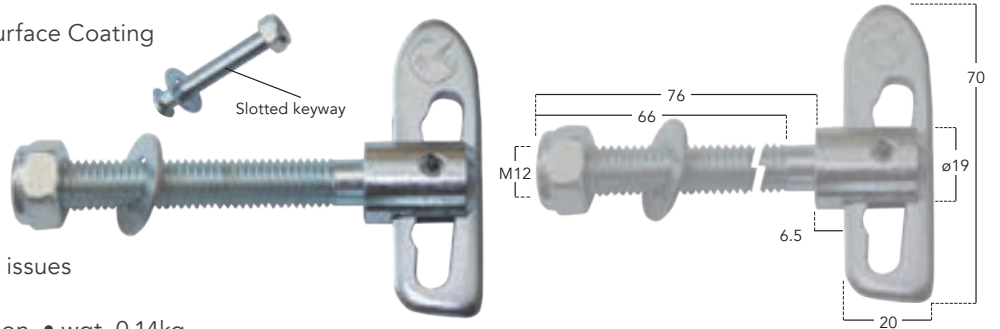


### Droplock Fastener

Bolt-on – CP350 Clear Passivate Surface Coating

**DROP44**

- 19mm Neck • M12 Thread
- 76mm Threaded shank
- 4.5 x 65mm Slotted keyway
- Supplied with nyloc nut and drilled washer alleviates rotation issues
- Suits 6mm ironwork
- Exceptional resistance to corrosion • wgt. 0.14kg



### Droplock Fastener On Plate

Bolt-on – CP350 Clear Passivate Surface Coating

**DROP32/PLATE**

- Droplock welded to plate
- L75 x W40 x T5mm
- 2 x 6.5mm Countersunk fixing holes
- 19mm Neck • Suits 6mm ironwork
- Exceptional resistance to corrosion
- wgt. 0.19kg

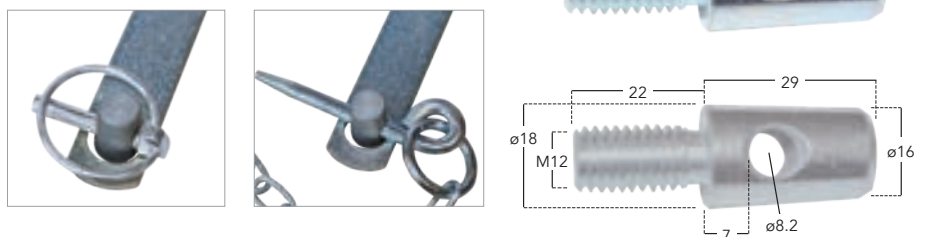


### Screwed Lug

Bolt-on – CP350 Clear Passivate Surface Coating

**DROP30/SL**

- Tapered neck –  $\varnothing 16$  to  $\varnothing 18$ mm
- 22mm Threaded shank
- M12 Thread
- Suits 6.5mm ironwork
- Exceptional resistance to corrosion
- wgt. 0.06kg



### Nyloc Nut

304G Stainless Steel / Zinc Plated

**DROPM12/SS** 304G Stainless steel

**DROPM12/ZP** Zinc plated

- Suits all M12 threaded Droplocks
- Supplied individually
- wgt. 0.01kg

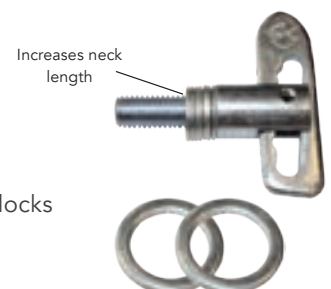


### Droplock Spacing Washers

Zinc Plated

**DROP3254/RD**

- 200 Per pack
- 1mm Thick
- Suits all M12 threaded Droplocks (except DROP45)
- wgt. 0.31kg



## Eyeplate

Self Colour & Zinc Plated

### AEYE70/05SC

- Self colour
- Thickness: 5mm
- wgt. 0.28kg

### AEYE70/05ZP

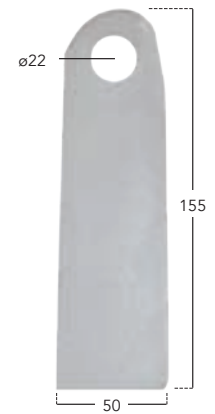
- Zinc plated
- Thickness: 5mm
- wgt. 0.28kg

### AEYE70/06SC

- Self colour
- Thickness: 6mm
- wgt. 0.33kg

### AEYE70/06ZP

- Zinc plated
- Thickness: 6mm
- wgt. 0.33kg



## Eyeplate

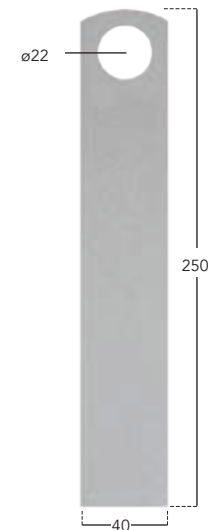
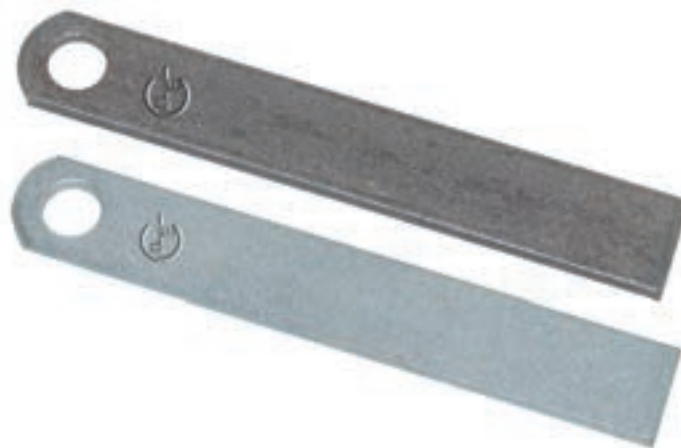
Self Colour & Zinc Plated

### AEYE11/08SC

- Self colour
- Thickness: 8mm
- wgt. 0.58kg

### AEYE11/08ZP

- Zinc plated
- Thickness: 8mm
- wgt. 0.58kg

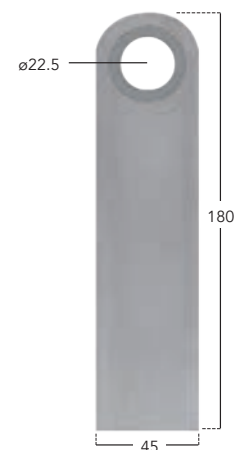


## Eyeplate

Aluminium with Steel Bush

### AALL3113

- Aluminium with steel bush
- Thickness: 9.5mm
- wgt. 0.22kg



## LED Approved Automotive Cable

### Thin Wall

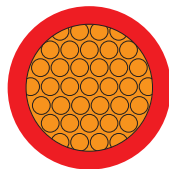
- Thin-wall auto cables are produced in accordance with ISO6722:2006 (Class B) with a 105°C rating
- Suitable for use in 12v and 24v applications
- LED Approved
- Plain copper conductors to BS EN 60228:2005 – PVC Insulated
- Temperature range: -40°C to +105°C
- Reduced insulation gives considerable savings in weight and volume especially when used in large wiring harnesses
- Good resistance to moisture, petrol, diesel, lubricating oils and diluted acids
- Hard grade PVC insulation offers good resistance to abrasion and cut through
- Other benefits of using thin-wall cable include higher amp rating on smaller cables and greater abrasion resistance
- The conductor specifications shown are representative configurations, actual cable strand may differ slightly, but will meet resistance values shown (please refer to single core for resistance values).



## Single Core Auto Cable

### Thin Wall

- 500 Metre drums available on request



| Part No.         | Sheath Colour | Conductor Specification (mm) | Conductor Cross Section (mm <sup>2</sup> ) | Nominal Current rating (mm) | Maximum Overall Dia. of Cable (Amps) | Maximum Loading (Watts) |         | Resistance per Metre at 20°C (Ohms) | Roll Length (Metres) | Weight (kg) |
|------------------|---------------|------------------------------|--|-----------------------------|--------------------------------------|-------------------------|---------|-------------------------------------|----------------------|-------------|
|                  |               |                              |  |                             |                                      | 12 Volt                 | 24 Volt |                                     |                      |             |
| CABLTW1.0/100BLK | Black         | 32/0.20                      | 1.0  | 16.5                        | 2.1                                  | 198                     | 396     | 0.01850                             | 100                  | 1.16        |
| CABLTW1.0/100BLU | Blue          | 32/0.20                      | 1.0  | 16.5                        | 2.1                                  | 198                     | 396     | 0.01850                             | 100                  | 1.16        |
| CABLTW1.0/100RED | Red           | 32/0.20                      | 1.0  | 16.5                        | 2.1                                  | 198                     | 396     | 0.01850                             | 100                  | 1.16        |
| CABLTW1.0/100WHT | White         | 32/0.20                      | 1.0  | 16.5                        | 2.1                                  | 198                     | 396     | 0.01850                             | 100                  | 1.16        |
| CABLTW2.0/100BLK | Black         | 28/0.30                      | 2.0  | 25.0                        | 2.8                                  | 300                     | 600     | 0.00942                             | 100                  | 2.22        |
| CABLTW2.0/100RED | Red           | 28/0.30                      | 2.0  | 25.0                        | 2.8                                  | 300                     | 600     | 0.00942                             | 100                  | 2.22        |
| CABLTW3.0/100BLK | Black         | 44/0.30                      | 3.0  | 33.0                        | 3.4                                  | 396                     | 792     | 0.00600                             | 100                  | 3.35        |
| CABLTW3.0/100RED | Red           | 44/0.30                      | 3.0  | 33.0                        | 3.4                                  | 396                     | 792     | 0.00600                             | 100                  | 3.35        |
| CABLTW4.5/100BLK | Black         | 65/0.30                      | 4.5  | 42.0                        | 4.1                                  | 504                     | 1008    | 0.00406                             | 100                  | 4.39        |
| CABLTW4.5/100RED | Red           | 65/0.30                      | 4.5  | 42.0                        | 4.1                                  | 504                     | 1008    | 0.00406                             | 100                  | 4.39        |

## Twin Core Auto Cable (Flat Twin)

Thin Wall



| Part No.            | Sheath Colour | Core Colour | Conductor Specification (mm) | Conductor Cross Section (mm <sup>2</sup> ) | Nominal Current rating (mm) | Maximum Overall Dia. of Cable (Amps) | Roll Length (Metres) | Weight (kg) |
|---------------------|---------------|-------------|------------------------------|--|-----------------------------|--------------------------------------|----------------------|-------------|
| CABLTW02/06/30BRB   | Black         | Black/Red   | 2 x 16/0.20                  | 2 x 0.50                                   | 11.0                        | 2.7 x 4.6                            | 30                   | 1.01        |
| CABLTW02/06/100BRB  | Black         | Black/Red   | 2 x 16/0.20                  | 2 x 0.50                                   | 11.0                        | 2.7 x 4.6                            | 100                  | 3.30        |
| CABLTW02/04/30BRB   | Black         | Black/Red   | 2 x 24/0.20                  | 2 x 0.75                                   | 14.0                        | 3.1 x 4.9                            | 30                   | 1.06        |
| CABLTW02/04/100BRB  | Black         | Black/Red   | 2 x 24/0.20                  | 2 x 0.75                                   | 14.0                        | 3.1 x 4.9                            | 100                  | 3.50        |
| CABLTW02/01/30BRB   | Black         | Black/Red   | 2 x 32/0.20                  | 2 x 1.00                                   | 16.5                        | 3.0 x 5.0                            | 30                   | 1.11        |
| CABLTW02/01/100BRB  | Black         | Black/Red   | 2 x 32/0.20                  | 2 x 1.00                                   | 16.5                        | 3.0 x 5.0                            | 100                  | 3.70        |
| CABLTW02/01/100BBRW | Black         | Brown/White | 2 x 32/0.20                  | 2 x 1.00                                   | 16.5                        | 3.0 x 5.0                            | 100                  | 3.70        |
| CABLTW02/01/100BRW  | Black         | Red/White   | 2 x 32/0.20                  | 2 x 1.00                                   | 16.5                        | 3.0 x 5.0                            | 100                  | 3.70        |
| CABLTW02/02/30BRB   | Black         | Black/Red   | 2 x 28/0.30                  | 2 x 2.00                                   | 25.0                        | 3.9 x 6.5                            | 30                   | 1.86        |
| CABLTW02/08/30BRB   | Black         | Black/Red   | 2 x 44/0.30                  | 2 x 3.00                                   | 33.0                        | 4.3 x 7.5                            | 30                   | 2.69        |
| CABLTW02/08/100BRB  | Black         | Black/Red   | 2 x 44/0.30                  | 2 x 3.00                                   | 33.0                        | 4.3 x 7.5                            | 100                  | 8.98        |

## 3 Core Auto Cable

Thin Wall



| Part No.         | Sheath Colour | Core Colour     | Conductor Specification (mm) | Conductor Cross Section (mm <sup>2</sup> ) | Nominal Current rating (mm) | Maximum Overall Dia. of Cable (Amps) | Roll Length (Metres) | Weight (kg) |
|------------------|---------------|-----------------|------------------------------|--|-----------------------------|--------------------------------------|----------------------|-------------|
| CABLTW03/03/30B  | Black         | Black/Green/Red | 3 x 24/0.20                  | 3 x 0.75                                   | 14.0                        | 5.7                                  | 30                   | 1.63        |
| CABLTW03/03/100B | Black         | Black/Green/Red | 3 x 24/0.20                  | 3 x 0.75                                   | 14.0                        | 5.7                                  | 100                  | 3.50        |
| CABLTW03/01/30B  | Black         | Black/Green/Red | 3 x 32/0.20                  | 3 x 1.00                                   | 16.5                        | 5.7                                  | 30                   | 1.68        |
| CABLTW03/01/100B | Black         | Black/Green/Red | 3 x 32/0.20                  | 3 x 1.00                                   | 16.5                        | 5.7                                  | 100                  | 5.47        |

## 4 Core Auto Cable

Thin Wall



| Part No.         | Sheath Colour | Core Colour           | Conductor Specification (mm) | Conductor Cross Section (mm <sup>2</sup> ) | Nominal Current rating (mm) | Maximum Overall Dia. of Cable (Amps) | Roll Length (Metres) | Weight (kg) |
|------------------|---------------|-----------------------|------------------------------|--|-----------------------------|--------------------------------------|----------------------|-------------|
| CABLTW04/01/30B  | Black         | Brown/Green/Red/White | 4 x 32/0.20                  | 4 x 1.00                                   | 16.5                        | 5.8                                  | 30                   | 2.18        |
| CABLTW04/01/100B | Black         | Brown/Green/Red/White | 4 x 32/0.20                  | 4 x 1.00                                   | 16.5                        | 5.8                                  | 100                  | 7.27        |

## 5 Core Auto Cable

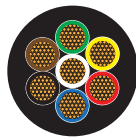
Thin Wall



| Part No.         | Sheath Colour | Core Colour                  | Conductor Specification (mm) | Conductor Cross Section (mm <sup>2</sup> ) | Nominal Current rating (mm) | Maximum Overall Dia. of Cable (Amps) | Roll Length (Metres) | Weight (kg) |
|------------------|---------------|------------------------------|------------------------------|--|-----------------------------|--------------------------------------|----------------------|-------------|
| CABLTW05/01/30B  | Black         | Brown/Green/Red/White/Yellow | 5 x 32/0.20                  | 5 x 1.00                                   | 16.5                        | 6.3                                  | 30                   | 2.47        |
| CABLTW05/01/100B | Black         | Brown/Green/Red/White/Yellow | 5 x 32/0.20                  | 5 x 1.00                                   | 16.5                        | 6.3                                  | 100                  | 8.25        |

## 7 Core Auto Cable

Thin Wall



| Part No.         | Sheath Colour | Core Colour                             | Conductor Specification (mm) | Conductor Cross Section (mm <sup>2</sup> ) | Nominal Current rating (mm) | Maximum Overall Dia. of Cable (Amps) | Roll Length (Metres) | Weight (kg) |
|------------------|---------------|---|------------------------------|--|-----------------------------|--------------------------------------|----------------------|-------------|
| CABLTW07/01/30B  | Black         | Black/Blue/Brown/Green/Red/White/Yellow | 7 x 24/0.20                  | 7 x 0.75                                   | 14.0                        | 6.8                                  | 30                   | 2.87        |
| CABLTW07/01/100B | Black         | Black/Blue/Brown/Green/Red/White/Yellow | 7 x 24/0.20                  | 7 x 0.75                                   | 14.0                        | 6.8                                  | 100                  | 9.59        |
| CABLTW07/02/30B  | Black         | Black/Blue/Brown/Green/Red/White/Yellow | 6 x 32/0.20<br>1 x 28/0.30   | 6 x 1.0<br>1 x 2.0                         | 16.5<br>25.0                | 8.3                                  | 30                   | 3.87        |
| CABLTW07/02/100B | Black         | Black/Blue/Brown/Green/Red/White/Yellow | 6 x 32/0.20<br>1 x 28/0.30   | 6 x 1.0<br>1 x 2.0                         | 16.5<br>25.0                | 8.3                                  | 100                  | 12.82       |

## 'YY' Control Flexible Cable

YY Control cable has a grey PVC sheath that is manufactured to BS6500 and VDE0250 standards



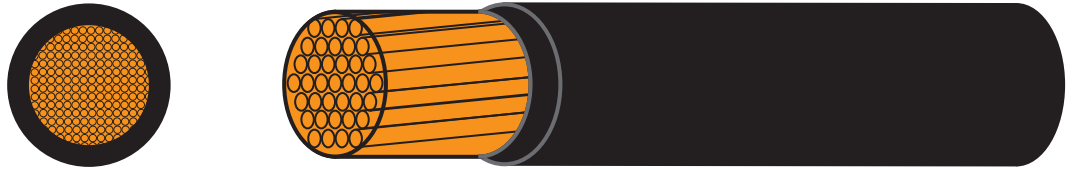
- Voltage rating: 300-500V
- Temperature rating: fixed: -30°C to +80°C flexing: -5°C to +80°C
- Minimum bending radius: 15 x overall diameter
- YY cable is available to order from 2 to 100 cores
- Please contact us for further information



## Automotive Cable

100% Copper PVC Battery / Welding Cable

- 100% Copper
- PVC Insulated
- Extra flexible
- Designed for use in tough working environments
- Resistant to petrol, lubricating oils and diluted acids
- Plain copper conductors
- Temperature range: -30°C to +70°C



| Part No.       | Sheath Colour | Conductor Specification (mm) | Conductor Cross Section (mm <sup>2</sup> ) | Nominal Current rating (mm) | Maximum Overall Dia. of Cable (Amps) | Roll Length (Metres) | Weight (kg) |
|----------------|---------------|------------------------------|--|-----------------------------|--------------------------------------|----------------------|-------------|
| CABLPVC16/100B | Black         | 206/0.30                     | 16   | 110                         | 8.30                                 | 100                  | 18.34       |
| CABLPVC16/100R | Red           | 206/0.30                     | 16   | 110                         | 8.30                                 | 100                  | 18.34       |
| CABLPVC25/30B  | Black         | 322/0.30                     | 25   | 170                         | 10.10                                | 30                   | 9.00        |
| CABLPVC25/30R  | Red           | 322/0.30                     | 25   | 170                         | 10.10                                | 30                   | 9.00        |
| CABLPVC25/100B | Black         | 322/0.30                     | 25   | 170                         | 10.10                                | 100                  | 28.4        |
| CABLPVC25/100R | Red           | 322/0.30                     | 25   | 170                         | 10.10                                | 100                  | 28.4        |
| CABLPVC35/30B  | Black         | 451/0.30                     | 35   | 240                         | 11.80                                | 30                   | 11.77       |
| CABLPVC35/30R  | Red           | 451/0.30                     | 35   | 240                         | 11.80                                | 30                   | 11.77       |
| CABLPVC40/30B  | Black         | 539/0.30                     | 40   | 300                         | 12.70                                | 30                   | 13.29       |
| CABLPVC40/30R  | Red           | 539/0.30                     | 40   | 300                         | 12.70                                | 30                   | 13.29       |
| CABLPVC50/30B  | Black         | 640/0.30                     | 50   | 345                         | 13.50                                | 30                   | 16.00       |
| CABLPVC50/30R  | Red           | 640/0.30                     | 50   | 345                         | 13.50                                | 30                   | 16.00       |
| CABLPVC60/30B  | Black         | 805/0.30                     | 60   | 415                         | 15.00                                | 30                   | 18.66       |
| CABLPVC60/30R  | Red           | 805/0.30                     | 60   | 415                         | 15.00                                | 30                   | 18.66       |
| CABLPVC70/30B  | Black         | 905/0.30                     | 70   | 485                         | 15.40                                | 30                   | 21.87       |
| CABLPVC70/30R  | Red           | 905/0.30                     | 70   | 485                         | 15.40                                | 30                   | 21.87       |

## Suzie Coils

3 & 5 Core

### CABL3/075/500

- 3 Core
- L480 x ø27mm Closed coil
- 58 Coils
- 2 x 100mm Tails
- wgt. 0.27kg

### CABL5/075/470

- 5 Core
- L480 x ø26mm Closed coil
- 58 Coils
- 2 x 250mm Tails
- wgt. 0.29kg



## Cable Ties

Non-Releasable

One-piece moulded smooth rounded edge nylon, complete with bent finger grip and low threading force for quick installation

- Material: high quality virgin nylon 6.6
- Flame resistance: in accordance with UL94V-2
- Tensile strength: MIL 23190 E
- Temperature range: -40°C to +85°C



| Part No.        | Length (mm) | Width (mm) | Quantity per Pack | Colour | Weight per Pack |
|-----------------|-------------|------------|-------------------|--------|-----------------|
| CABLHFC100/BLK  | 100         | 2.50       | 100               | Black  | 0.03            |
| CABLHFC140/BLK  | 140         | 3.60       | 100               | Black  | 0.07            |
| CABLHFC160/BLK  | 160         | 4.80       | 100               | Black  | 0.11            |
| CABLHFC200/BLK  | 200         | 4.80       | 100               | Black  | 0.15            |
| CABLHFC240H/BLK | 240         | 7.60       | 100               | Black  | 0.40            |
| CABLHFC300/BLK  | 300         | 4.80       | 100               | Black  | 0.22            |
| CABLHFC365/BLK  | 365         | 4.80       | 100               | Black  | 0.26            |
| CABLHFC370H/BLK | 370         | 7.60       | 100               | Black  | 0.54            |
| CABLHFC530H/BLK | 530         | 9.00       | 100               | Black  | 1.04            |
| CABLHFC710H/BLK | 710         | 9.00       | 100               | Black  | 1.34            |

## Cable Ties

Releasable

### CABLDE863220/S

- L300 x W6mm
- Black
- Supplied in packs of 50
- Material: Polyamide 6.6 heat stabilised
- Minimum tensile strength: 135N
- Flame resistance in accordance with UL94V-2
- Temperature range: -40°C to +105°C
- wgt. 0.12kg per 50

The CABLDE cable ties have serrations on both sides of the strap allowing for quick and easy installation, even where the access or visibility is poor. Prior to final tensioning these ties can be used as 'releasable' ties for the addition of extra cables. Once the cable runs are complete the final tensioning locks the tie in place.

Using a single hole these 'chassis ties' are widely used in the automotive, truck and heavy equipment markets.

Ideal for applications which have access to both sides of the hole – for example: truck frames.



## Small Cable Tie Base

Self Adhesive

### CABLHFC1/4BLK

- L20 x W20mm
- Black
- 4 Way entry
- Maximum tie width: 4.0mm
- Supplied in packs of 100
- wgt. 0.14kg per 100

Self adhesive base



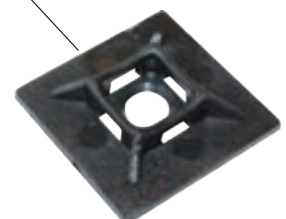
## Large Cable Tie Base

Self Adhesive

### CABLHFC2/4BLK

- L28 x W28mm
- Black
- 4 Way entry
- Maximum tie width: 5.0mm
- Supplied in packs of 100
- wgt. 0.17kg per 100

Self adhesive base



## PVC Insulation Tape

Self Adhesive

**CABLTAPE/BLACK** Black

**CABLTAPE/RED** Red

- 20 Metre rolls
- W19 x T0.15mm
- Flame retardant – BS EN60454-2
- wgt. 0.08kg



## Self Amalgamating Tape

A strong self amalgamating polyisobutylene elastic tape which when wrapped onto itself will create a watertight seal.

Used on cable joints, connections etc.

**CABL2501/1B** Black

- 10 Metre rolls
- W25 x T0.5mm
- Temperature range: -40°C to +90°C
- wgt. 0.14kg



## Heat Shrink Sleeving

General Purpose

Commercial grade flexible polyolefin heat shrink sleeving suitable for a wide range of applications which include colour coding, insulating, marking, bundling of wires and protection against abrasion.

- Temperature range: -40°C to +135°C
- Flame retardant to UL224
- Shrink temperature: 120°C
- Shrink ratio 2:1
- Supplied in 'economical' packs
- Other sizes available to order



| Part No.       | Colour | Inside Dia. before Heating (mm) | Inside Dia. after Heating (mm) | Wall Thickness after heating (mm) | Length (mm) | Quantity (per bag) |
|----------------|--------|---------------------------------|--------------------------------|-----------------------------------|-------------|--------------------|
| CABLHR6/64/15  | Black  | 6.4                             | 3.2                            | 0.6                               | 150         | 15                 |
| CABLHR7/95/15  | Black  | 9.5                             | 4.8                            | 0.6                               | 150         | 15                 |
| CABLHR8/127/10 | Black  | 12.7                            | 6.4                            | 0.6                               | 150         | 10                 |

## Heat Shrink Sleeving

Adhesive Lined

Flexible polyethylene heat shrink sleeving with an adhesive lining. Designed to provide a permanent encapsulation for protection against moisture in a wide variety of applications once heated.

- Temperature range: -55°C to +85°C
- Self extinguishing
- Shrink temperature: +95°C to +200°C
- Shrink ratio 3:1
- Supplied singly
- Other sizes available to order



| Part No.      | Colour | Inside Dia. before heating (mm) | Inside Dia. after heating (mm) | Wall Thickness after heating (mm) | Length (mm) |
|---------------|--------|---------------------------------|--------------------------------|-----------------------------------|-------------|
| CABLHA3/60/1  | Black  | 2.0                             | 1.2                            | 6.0                               | 1220        |
| CABLHA4/90/1  | Black  | 3.0                             | 1.4                            | 9.0                               | 1220        |
| CABLHA5/120/1 | Black  | 4.0                             | 1.7                            | 12.0                              | 1220        |

## Corrugated Conduit PPBS

Flame Retardant Polypropylene

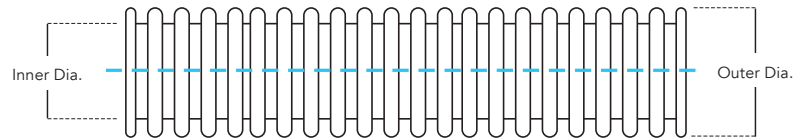
A flexible conduit manufactured from PPBS material, suitable for harness protection on a variety of vehicle applications, but specifically the vehicle interior, chassis and body sections

### Technical Specification:

- Supplied in 50 metre rolls
- Available in slit & un-slit rolls
- Colour: black
- Material: flame retardant polypropylene
- Temperature range: -40°C to +125°C
- Maximum temperature: 500 hours at +135°C and 240 hours at +150°C
- Burning behaviour, according to FMVSS 302, self extinguishing type B
- UV Resistance, according to DIN EN ISO 8580
- Flame retardant
- High cold impact strength
- Highly flexible



Profile



## Slit Rolls

| Part No.      | Outside Dia. (mm) | Inside Dia. (mm) | Minimum Bending Radius (mm) | Weight per roll (kg) |
|---------------|-------------------|------------------|-----------------------------|----------------------|
| CABL/FCTS710  | 9.9               | 6.9              | 15                          | 0.62                 |
| CABL/FCTS1115 | 15.6              | 12.0             | 20                          | 1.10                 |
| CABL/FCTS1317 | 15.8              | 12.9             | 22                          | 1.12                 |
| CABL/FCTS1418 | 18.3              | 14.5             | 25                          | 1.35                 |
| CABL/FCTS1621 | 21.0              | 16.8             | 30                          | 1.55                 |
| CABL/FCTS23   | 28.0              | 23.7             | 42                          | 2.50                 |

## Un-Slit Rolls

| Part No.     | Outside Dia. (mm) | Inside Dia. (mm) | Minimum Bending Radius (mm) | Weight per roll (kg) |
|--------------|-------------------|------------------|-----------------------------|----------------------|
| CABL/FCT710  | 9.9               | 6.9              | 15                          | 0.62                 |
| CABL/FCT1013 | 12.7              | 10.1             | 18                          | 0.94                 |
| CABL/FCT1115 | 15.6              | 12.0             | 20                          | 1.10                 |
| CABL/FCT1317 | 15.8              | 12.9             | 22                          | 1.12                 |
| CABL/FCT1621 | 21.0              | 16.5             | 30                          | 1.55                 |



## Superseal Connectors

1.5mm Range

- Compact, high quality connectors
- Designed for automotive and marine applications where a waterproof joint is required
- Waterproof to IP67
- Supplied in kit form comprising: housing, terminals & seals
- 1, 5 & 6 Way connectors available to order

### 2 Way Female

CABLSS2F

- Suitable for cable sizes: 0.5mm<sup>2</sup> to 1.5mm<sup>2</sup>
- wgt. 0.01kg



### 2 Way Male

CABLSS2M

- Suitable for cable sizes: 0.5mm<sup>2</sup> to 1.5mm<sup>2</sup>
- wgt. 0.01kg



### 3 Way Female

CABLSS3F

- Suitable for cable sizes: 0.5mm<sup>2</sup> to 1.5mm<sup>2</sup>
- wgt. 0.01kg



### 3 Way Male

CABLSS3M

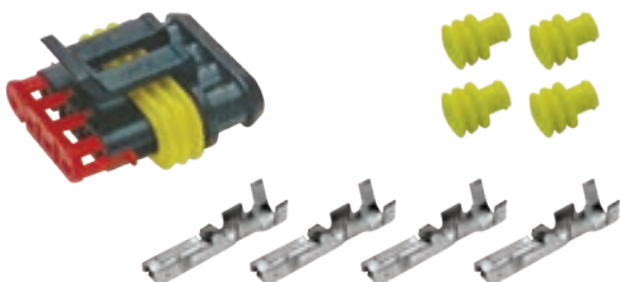
- Suitable for cable sizes: 0.5mm<sup>2</sup> to 1.5mm<sup>2</sup>
- wgt. 0.01kg



### 4 Way Female

CABLSS4F

- Suitable for cable sizes: 0.5mm<sup>2</sup> to 1.5mm<sup>2</sup>
- wgt. 0.01kg



### 4 Way Male

CABLSS4M

- Suitable for cable sizes: 0.5mm<sup>2</sup> to 1.5mm<sup>2</sup>
- wgt. 0.01kg



## Insulated Crimp Terminals

Range of pre-insulated and fully insulated terminals that combine high quality with competitive pricing

- High grade PVC insulation makes crimping easy whilst ensuring complete integrity of termination
- VR indicates 'vibration resistant' – extra copper ring within the crimp terminal
- Red insulation: conductor size 0.5mm<sup>2</sup> to 1.5mm<sup>2</sup>
- Blue insulation: conductor size 1.5mm<sup>2</sup> to 2.5mm<sup>2</sup>

## Ring Terminals – Pre-Insulated

Bolt-on

| Part No. | Ring Size (mm) | Insulation Colour | Pack Size |
|----------|----------------|-------------------|-----------|
| CABLBR64 | ø6.0           | Blue              | 100       |
| CABLBR84 | ø8.0           | Blue              | 100       |



## Male Tabs – Pre-Insulated

Vibration Resistant

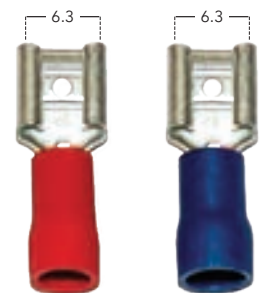
| Part No.    | Tab Size (mm) | Tab Thickness (mm) | Insulation Colour | Pack Size |
|-------------|---------------|--------------------|-------------------|-----------|
| CABLBM63/VR | 6.3           | 0.8                | Blue              | 100       |
| CABLRM63/VR | 6.3           | 0.8                | Red               | 100       |



## Female Tab Receptacle – Pre-Insulated

Vibration Resistant

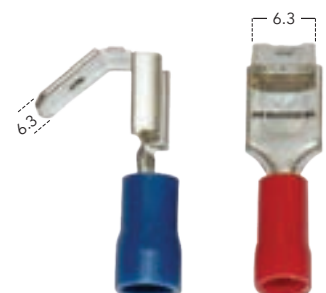
| Part No.       | Male Tab Size (mm) | Tab Thickness (mm) | Insulation Colour | Pack Size |
|----------------|--------------------|--------------------|-------------------|-----------|
| CABLBF66/08/VR | 6.3                | 0.8                | Blue              | 100       |
| CABLRF66/08/VR | 6.3                | 0.8                | Red               | 100       |



## Male Piggy Back Tabs - Pre-Insulated

Vibration Resistant

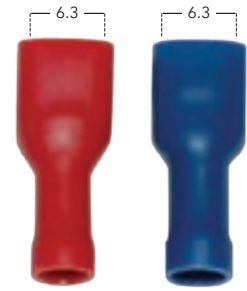
| Part No.     | Tab Size (mm) | Tab Thickness (mm) | Insulation Colour | Pack Size |
|--------------|---------------|--------------------|-------------------|-----------|
| CABLBPB63/VR | 6.3           | 0.8                | Blue              | 100       |
| CABLRPB63/VR | 6.3           | 0.8                | Red               | 100       |



## Female Tab Receptacle – Fully-Insulated

Vibration Resistant

| Part No.       | Male Tab Size (mm) | Tab Thickness (mm) | Insulation Colour | Pack Size |
|----------------|--------------------|--------------------|-------------------|-----------|
| CABLBF66/FI/VR | 6.3                | 0.8                | Blue              | 100       |
| CABLR66/FI/VR  | 6.3                | 0.8                | Red               | 100       |



## Male Bullets – Pre-Insulated

Vibration Resistant

| Part No.     | Bullet Dia. (mm) | Insulation Colour | Pack Size |
|--------------|------------------|-------------------|-----------|
| CABLMB50/VR  | 5.0              | Blue              | 100       |
| CABLRMB40/VR | 4.0              | Red               | 100       |



## Female Bullets Receptacle – Fully-Insulated

Vibration Resistant

| Part No.     | Male Bullet Dia. (mm) | Insulation Colour | Pack Size |
|--------------|-----------------------|-------------------|-----------|
| CABLFB50/VR  | 5.0                   | Blue              | 100       |
| CABLRFB40/VR | 4.0                   | Red               | 100       |



## Butt Connectors

Fully-Insulated

| Part No. | Internal Dia. (mm) | Insulation Colour | Pack Size |
|----------|--------------------|-------------------|-----------|
| CALBBC45 | 5.0                | Blue              | 100       |
| CABLRBC4 | 4.0                | Red               | 100       |



## Heat Shrink Butt Connectors

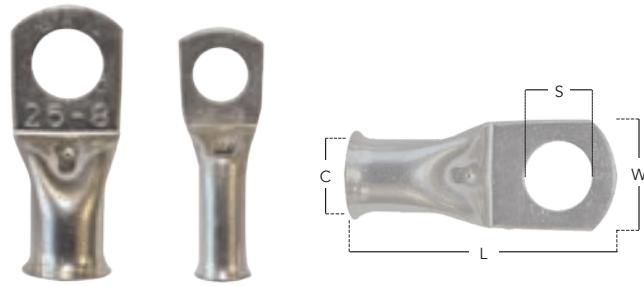
| Part No.       | Insulation Colour | Suitable for cables (mm <sup>2</sup> ) | Suitable for cables | Pack Size |
|----------------|-------------------|--|---------------------|-----------|
| CABLHT207/RED  | Red               | 0.5 to 1.5                             | 16/0.20 to 21/0.30  | 100       |
| CABLHT208/BLUE | Blue              | 1.5 to 2.5                             | 21/0.30 to 35/0.30  | 100       |
| CABLHT209/YELL | Yellow            | 3.0 to 6.0                             | 34/0.30 to 44/0.30  | 100       |



- The stripped wire is inserted into the metal barrel and crimped. The terminal sleeve is heated with a hot air gun until it reduces in size, the adhesive flows, filling voids within the terminal

## Copper Tube Terminals

- Supplied in packs of 10
- All terminals feature an inspection hole
- Suitable for crimping or soldering
- Manufactured from tinned copper
- Other sizes available upon request



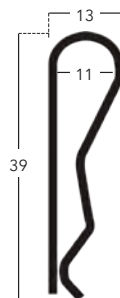
| Part No.    | Suitable for cables (mm <sup>2</sup> ) | C Entry Cable (mm) | S Stud Hole Size (mm) | L Length (mm) | W Width (mm) | Weight per 10 (kg) |
|-------------|--|--------------------|-----------------------|---------------|--------------|--------------------|
| CABLCTT16/6 | 16                                     | 5.5                | 6                     | 30.0          | 10.8         | 0.07               |
| CABLCTT16/8 | 16                                     | 5.5                | 8                     | 30.0          | 13.5         | 0.07               |
| CABLCTT25/6 | 25                                     | 7.0                | 6                     | 32.5          | 13.8         | 0.11               |
| CABLCTT25/8 | 25                                     | 7.0                | 8                     | 32.5          | 13.8         | 0.11               |

## Chassis Cable & Pipe Clip

Grips ø6mm Cable

### CABL87187/250

- Grips ø6mm cable
- Zinc plated
- Manufactured from carbon spring steel
- Supplied in packs of 250
- wgt. 1.00kg per 250

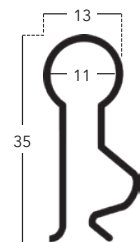


## Chassis Cable & Pipe Clip

Grips ø8mm Cable

### CABL87185/250

- Grips ø8mm cable
- Zinc plated
- Manufactured from carbon spring steel
- Supplied in packs of 250
- wgt. 1.00kg per 250



## Cable & Pipe Clip

Grips ø8mm Cable

### CABLPC25/100

- Grips ø8mm cable
- Manufactured from black nylon 6 material
- Supplied in packs of 100
- wgt. 0.048kg per 100

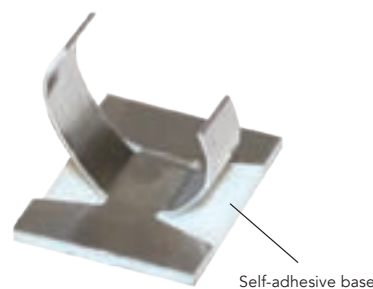


## Cable Clip

Grips ø4 to ø8mm Cable

### CABLACC02/250

- Grips ø4 – ø8mm cable
- Self-adhesive base – 19 x 16mm
- Manufactured from aluminium
- Supplied in packs of 250
- wgt. 0.19kg per 250



Self-adhesive base

## Cable Clip

Grips ø10 to ø11mm Cable

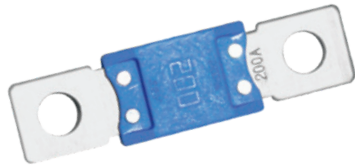
### CABL1011/250

- Grips ø10 – ø11mm cable
- Suits 4 – 7mm steel
- Manufactured from carbon spring steel
- Black painted
- Supplied in packs of 250
- wgt. 0.56kg per 250



## Mega Fuses

- Supplied in packs of 10
- Suitable for use with CABLFH569/1 mega fuse holder



| Part No.     | Colour      | Rating (Amps) |
|--------------|-------------|---------------|
| CABLMF100/10 | Yellow      | 100           |
| CABLMF125/10 | Green       | 125           |
| CABLMF150/10 | Orange      | 150           |
| CABLMF175/10 | White       | 175           |
| CABLMF200/10 | Blue        | 200           |
| CABLMF225/10 | Light Brown | 225           |
| CABLMF250/10 | Pink        | 250           |
| CABLMF300/10 | Grey        | 300           |
| CABLMF500/10 | Brown       | 500           |

## Mega Fuse Holder

### CABLFH569/1

- Supplied individually
- Suitable for use with CABLMF mega fuses
- Multiple fuse holders can be clipped together to form a block
- The cable connections are made using the 2 protruding 8mm studs. The fuse holder is fixed onto a firm surface using fixing points located at the ends of the unit
- wgt. 0.09kg



## Blade Fuses

- Supplied in packs of 50
- Suitable for use with CABLFH445 blade fuse holder
- Conforms to R.O.H.S. standard

| Part No.     | Colour | Rating (Amps) |
|--------------|--------|---------------|
| CABLFBA05/50 | Tan    | 5             |
| CABLFBA10/50 | Red    | 10            |
| CABLFBA15/50 | Blue   | 15            |



## Blade Fuse Holder

### CABLFH445

- Supplied individually
- Suitable for use with CABLFBA blade fuses
- Maximum: 30 amp
- Cable conductor cross section: 3.3mm<sup>2</sup>
- Fitted with a lid to prevent water ingress
- wgt. 0.002kg



## LED Blade Fuse Boxes

Consists of 1 x 5mm positive power input stud which feeds each of the blade fuses. Each fuse has a 6.3mm male blade terminal and a red LED indicator light next to it that glows when the fuse has blown.

- Transparent cover
- LED Indicator
- Live terminal – connector must be insulated



| Part No.   | Number of Fuses | Male Blade | Size WxHxD (mm) | Weight (kg) |
|------------|-----------------|------------|-----------------|-------------|
| LTMSFBB4L  | 4               | 4 x 6.3mm  | 45 x 35 x 85    | 0.06        |
| LTMSFBB6L  | 6               | 6 x 6.3mm  | 65 x 35 x 85    | 0.08        |
| LTMSFBB10L | 10              | 10 x 6.3mm | 95 x 35 x 85    | 0.10        |

## Junction Box

8 Way

LTMS/CB8/01

- W114 x H95 x D40mm
- 4 Cable entries can be cut to size to accept various cable thicknesses
- Single height
- Rubber housing
- Transparent cover
- wgt. 0.30kg



## Junction Box

8 Way Mapped Circuitry

LTMS120/01/02

- W146 x H98 x D63mm
- Single height
- Plastic housing
- Solid cover
- Spade terminals
- Pre-formed grommets accept 2 core flat and round 3, 4, 5, 7 & 10 core cables
- wgt. 0.34kg



## Weatherproof Junction Box

Square

LTMS607/5G

- W110 x H110 x D66mm
- Grey shatter-proof polypropylene housing
- IP66 Rated
- Supplied with 5 pole terminal
- 7 Inlet membrane glands with M25 thread for mounting without lock nut
- wgt. 0.20kg



## 2-Way Switch

IP55 Rated

**LTMS/GW27833**

- W66 x H82 x D65mm
- Grey plastic
- 1 x Membrane gland
- wgt. 0.12kg



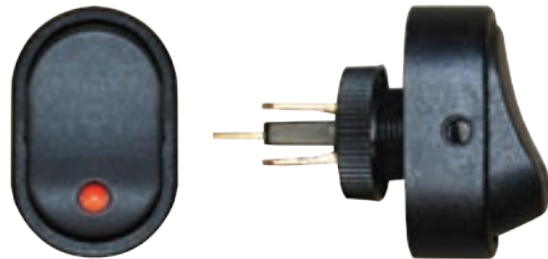
## LED Rocker Switch

On/Off

**LTMS133/12** 12v / 30amp

**LTMS133/24** 24v / 25amp

- Red LED indicator
- Single pole switch
- Suits 4mm panel thickness with  $\varnothing$ 12.2mm hole
- wgt. 0.01kg



## LED Rocker Switch

On/Off

**LTMS053105**

- 12/24v • 10 Amp
- Red LED indicator
- Single pole switch
- Snap fits into  $\varnothing$ 20mm panel hole
- wgt. 0.01kg

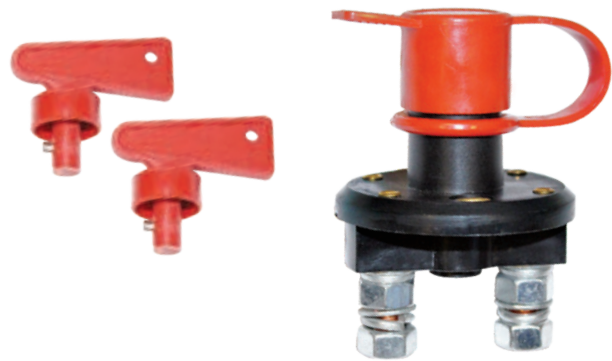


## Battery Master / Isolation Switch

100 Amp

**CABL/BIS-1**

- 100 Amp
- Max rating: 500 amps for 5 seconds
- Supplied with 2 x removable keys
- Weatherproof seals • Increases safety
- 2 x M8 Studs
- wgt. 0.11kg



## 2 Button Control Box

Mafelec

**CABL8/1001/S**

- W110 x H62 x D54mm
- Genuine Mafelec product
- Two-way – 'up' & 'down'
- Yellow and grey plastic
- wgt. 0.13kg

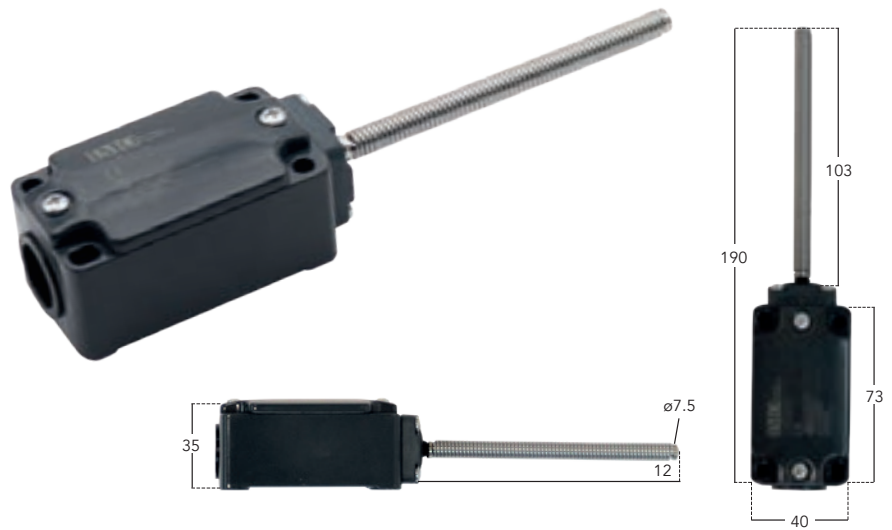


## Limit Switch

Snap or Slow Action

### CABL/1LDC5A25

- Operating speed: 0.005mm-1m/sec
- Zinc die cast body, grey painted
- 3600 operations per hour
- 2 x  $\varnothing 7.3\text{mm}$  & 2 x  $\varnothing 5.3\text{mm}$  Fixing holes
- Earthing point
- Rising clamp terminals
- 13.5mm Cable entry
- One threaded conduit entry
- IP67 Rated
- Conforms to EN60529
- Operating temperature:  $-25^{\circ}\text{C}$  to  $+80^{\circ}\text{C}$
- Full specification available upon request
- wgt. 0.31kg

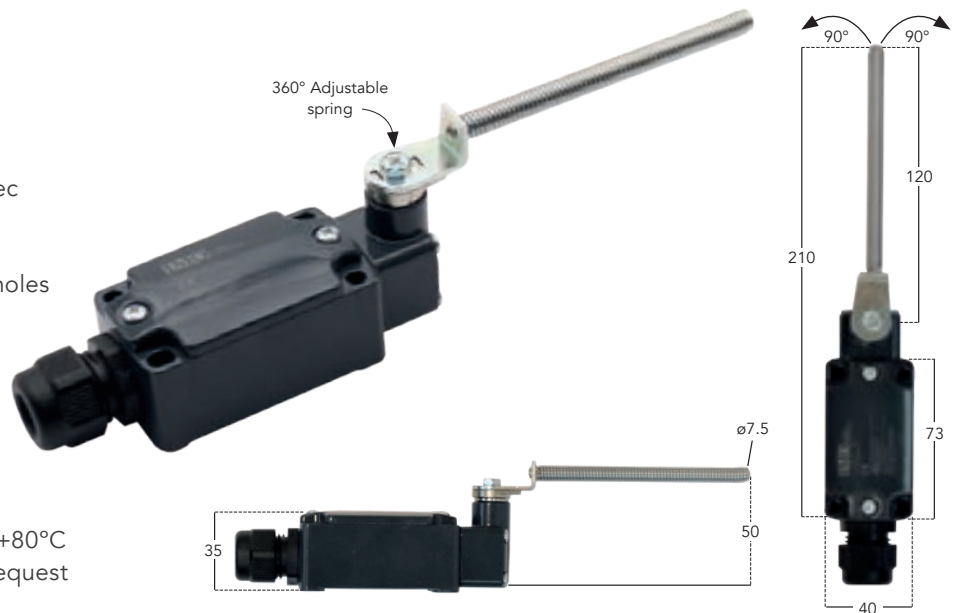


## Limit Switch

Snap and rotation action

### CABL/1LDC5A25/20/S42

- Operating speed: 0.005mm-1m/sec
- Zinc die cast body, grey painted
- 3600 operations per hour
- 2 x  $\varnothing 7.3\text{mm}$  & 2 x  $\varnothing 5.3\text{mm}$  Fixing holes
- Earthing point
- Rising clamp terminals
- 13.5mm Cable entry
- Cable gland included
- One threaded conduit entry
- IP67 Rated
- Conforms to EN60529
- Operating temperature:  $-25^{\circ}\text{C}$  to  $+80^{\circ}\text{C}$
- Full specification available upon request
- wgt. 0.39kg



## Master PIR Sensor

5 Minute Timer

### LTMSTSWP5PIR/12 12v

### LTMSTSWP5PIR/2/24 24v

- L140 x W100 x D20mm
- Detects the movement of body heat in order to activate the sensor
- Once the sensor has been triggered the timer will automatically switch the connected device on, until no movement is detected, a 5 minute timer will then start
- IP67 Rated
- Low energy consumption
- Slim profile
- Robust construction with unique impact deflection design
- Temperature range:  $-30^{\circ}\text{C}$  to  $+40^{\circ}\text{C}$
- wgt. 0.22kg



## Dashboard Sounder

72dB

**LTMS562/62/12** 12v

**LTMS562/74/24** 24v

- Two terminal
- Single hole fixing
- Two tone
- 72dB
- Not suitable for exterior use
- wgt. 0.02kg

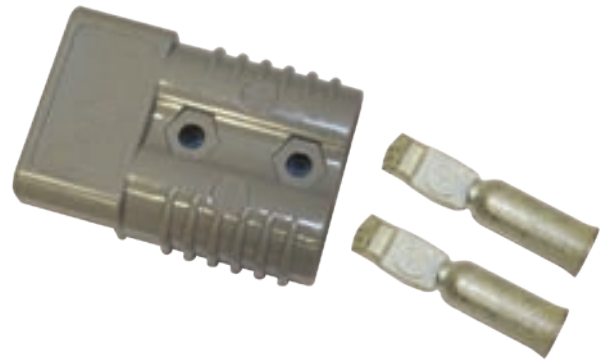


## Battery Connector

175 Amp

**CABL6325G1/GREY**

- 175 Amp
- Single piece housing
- Grey impact resistant polycarbonate
- Supplied complete with 2 x silver plated solid copper contacts
- Integral stainless steel leaf springs
- Other sizes and specifications available to order
- wgt. 0.11kg



## 7 Pin Plastic Plug

**8JA001930003**

- 7 Screw contacts
- Maximum load: 16A at 12v (lead size 1.5mm<sup>2</sup>)  
25A at 12v (lead size 2.5mm<sup>2</sup>)
- wgt. 0.07kg



## 7 Pin Plastic Socket & Rubber Gasket Cover

**8JB001943003**

- 7 Pin plastic socket
- 7 Screw contacts
- Spring loaded lid
- Maximum load: 16A at 12v (lead size 1.5mm<sup>2</sup>)  
25A at 12v (lead size 2.5mm<sup>2</sup>)
- wgt. 0.08kg

**9GD735641151**

- Rubber gasket cover
- Suits 8JB001943003 7 pin socket
- wgt. 0.02kg



Plastic socket

Gasket cover

## Round Interior Light

Surface Mounted

LED

LTRF22758/DV

- ø155 x D16mm
- 420 Lumens • IP67 Rated
- Multi-voltage
- Ultra-slim design
- Clear polycarbonate lens
- 21 x Brilliant white LED's
- Temperature range: -30°C to +50°C
- 180mm Fly lead
- 3 Year warranty • wgt. 0.18kg



420 LUMENS

maxi-lux



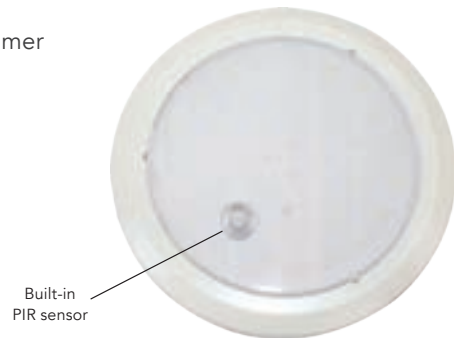
## Round Interior Light

PIR Sensor - Detects the movement of body heat to activate a 5 minute timer

LED

LTRF22777/PIR/DV

- ø155 x D16mm (D27mm including PIR)
- PIR Sensor • 790 Lumens
- Multi-voltage • IP67 Rated
- Frosted polycarbonate lens
- 21 x 'Superbright' LED's
- Temperature range: -30°C to +50°C
- 180mm Fly lead
- 3 Year warranty
- wgt. 0.19kg



790 LUMENS

maxi-lux



## Round Interior Light

Surface Mounted

LED

LTRF22781/DV

- ø180 x D16mm
- 1950 Lumens
- Multi-voltage • IP67 Rated
- Ultra-slim design
- Frosted polycarbonate lens
- 39 x 'Superbright' LED's
- Temperature range: -30°C to +50°C
- 180mm Fly lead
- 3 Year warranty
- wgt. 0.25kg



1950 LUMENS

maxi-lux

## Recessed Bezel

Converts Surface Mounted Lights into Recessed Mounted units

LTRF22758/RB

- ø180 x D16mm
- Converts LTRF22758/DV & LTRF22777/PIR/DV into recessed mounted units
- wgt. 0.13kg



LTRF22758/DV  
Fitted with LTRF22758/RB

## Oval Interior Light

Surface Mounted

LED

### LTRF22767/DV

- L235 x W125 x D13mm
- 300 Lumens
- Multi-voltage
- IP67 Rated
- Ultra-slim design
- Frosted polycarbonate lens
- 15 x 'Superbright' LED's
- Temperature range: -30°C to +50°C
- 90mm Fly lead
- 3 Year warranty
- wgt. 0.18kg



300 LUMENS

maxi-lux

## Awning Light

Surface Mounted

LED

### LTMS22763/DV

- L456 x W53 x D33mm
- 520 Lumens
- Multi-voltage
- IP67 Rated
- Frosted polycarbonate lens
- 18 x 'Superbright' LED's
- 45° Angled housing for efficient light distribution
- Water, dust and shock resistant
- Temperature range: -30°C to +50°C
- 100mm Fly lead
- Low power consumption
- 3 Year warranty
- wgt. 0.23kg



520 LUMENS

maxi-lux



## 'GIANNA' Interior Strip Light

Surface Mounted

LED

### LTMS22776/DV Un-switched

### LTMS22776/DVSW Integrated switch

- L400 x W25 x D15.5mm
- 520 Lumens
- Multi-voltage
- IP67 Rated
- Ultra-slim design
- Frosted polycarbonate lens
- 18 x 'Superbright' LED's
- Temperature range: -30°C to +50°C
- 100mm Fly lead
- Low power consumption
- 3 Year warranty
- wgt. 0.10kg



LTMS22776/DVSW  
Integrated switch

520 LUMENS

maxi-lux



## Interior Strip Light complete with PIR Sensor

Surface Mounted

LED

### LTMS5015/300/PIR/DV

- L300 x W33 x D19mm
- 400 Lumens / 12 LED's
- wgt. 0.13kg

### LTMS5015/600/PIR/DV

- L600 x W33 x D19mm
- 800 Lumens / 24 LED's
- wgt. 0.26kg

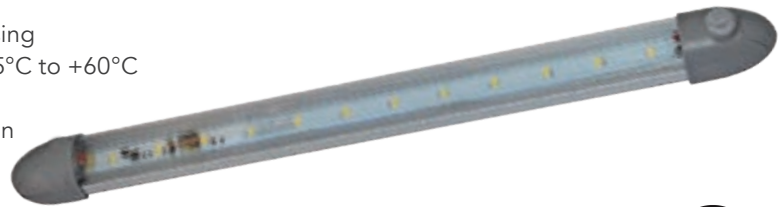
### LTMS5015/900/PIR/DV

- L900 x W33 x D19mm
- 1250 Lumens / 36 LED's
- wgt. 0.39kg

- Built-in PIR sensor – 40 second motion detection
- Multi-voltage
- IP63 Rated
- Ultra-slim design
- Ribbed polycarbonate lens
- 'Superbright' LED's
- Robust aluminium housing
- Temperature range: -45°C to +60°C
- 200mm Fly lead
- Low power consumption
- 3 Year warranty



Built-in PIR sensor



400 LUMENS

800 LUMENS

1250 LUMENS

maxi-lux



## 'ROSA' Interior Strip Light – 245mm

Surface Mounted

LED

### LTMS76728/245/DV Un-switched

### LTMS76728/245/DVSW Integrated switch

- L245 x W25 x D16mm
- Multi-voltage
- 110 Lumens
- IP67 Rated
- Ultra-slim design
- Clear polycarbonate lens
- 9 x Brilliant white LED's
- Temperature range: -30°C to +50°C
- 100mm Fly lead
- Low power consumption
- 3 Year warranty
- wgt. 0.05kg



LTMS76728/245/DVSW  
Integrated switch

110 LUMENS

maxi-lux



## 'ROSA' Interior Strip Light – 400mm

Surface Mounted

LED

### LTMS76728/400/DV Un-switched

### LTMS76728/400/DVSW Integrated switch

- L400 x W25 x D16mm
- Multi-voltage
- 220 Lumens
- IP67 Rated
- Ultra-slim design
- Clear polycarbonate lens
- 18 x Brilliant white LED's
- Temperature range: -30°C to +50°C
- 100mm Fly lead
- Low power consumption
- 3 Year warranty
- wgt. 0.10kg



LTMS76728/400/DVSW  
Integrated switch

220 LUMENS

maxi-lux



## Scene-Light

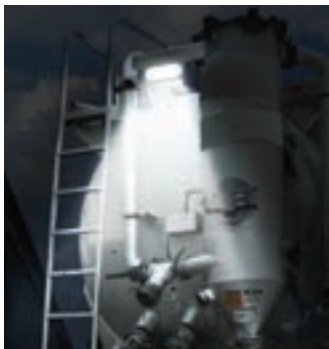
Surface Mounted

Angled Light Projection Covering over 30m<sup>2</sup>

LED

LTMS22792/CKB/DV

- L225 x W81 x D40mm (max)
- 1200 Lumens
- Multi-voltage
- IP67 Rated
- Low profile design, with 15° downward angled lens
- Clear polycarbonate lens
- 12 x 'Superbright' LED's
- Temperature range: -30°C to +50°C
- 120mm Fly lead
- Low power consumption
- 3 Year warranty
- wgt. 0.41kg



1200 LUMENS

maxi-lux



## Orizon Interior Strip Light

Surface Mounted

LED

LTMSCW500/PV3/12 12v

LTMSCW500/PV3/2/24 24v

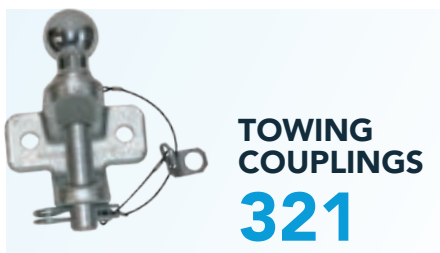
- L522 x W18 x D11mm
- 640 Lumens
- IP66 Rated
- Ultra-slim design
- 24 High intensity CREE LED's
- Temperature range: -30°C to +40°C
- 400mm Fly lead
- Low power consumption
- 10 Year warranty
- wgt. 0.08kg



LTMSCW500/PV3/12  
Interior Strip Light

640 LUMENS

Labcraft  
DESIGN LED LIGHTING



## Nebula Interior Strip Light

Surface Mounted

LED

**LTMSSI5CW500/12** 12v Un-switched

**LTMSSI5CW500/SW12** 12v Integrated switch

**LTMSSI5CW500/24** 24v Un-switched

**LTMSSI5CW500/SW24** 24v Integrated switch

- L626 x W44 x D15mm
- 640 Lumens
- IP66 Rated (switched version – IP60 rated)
- Ultra-slim design
- Robust aluminium housing
- 24 x High intensity CREE LED's
- Temperature range: -30°C to +40°C
- 400mm Fly lead
- Low power consumption
- 10 Year warranty
- wgt. 0.38kg



LTMSSI5CW500  
Integrated switch

640 LUMENS

Labcraft  
DESIGN LED LIGHTING



## Megalux

Surface Mounted

LED

**LTRFPD1/41/EMV/DV\*** ENVIRO SERIES

- 480 Lumens
- \*ENVIRO SERIES – cost effective option

**LTRFPD1/43/DV**

- 1248 Lumens
- ø150 x D14mm
- Multi-voltage
- IP66 Rated
- Low profile design
- Robust aluminium base
- 4 x High intensity CREE LED's
- Temperature range: -30°C to +40°C
- 200mm Fly lead
- 2 x ø6mm Fixing holes
- Low power consumption
- 10 Year warranty
- Built-in PIR version available upon request
- wgt. 0.15kg



480 LUMENS

1248 LUMENS

Labcraft  
DESIGN LED LIGHTING



HANDLES  
& LOCKS

135-146



'CUSTOM'  
SIDEGUARD  
LEGS

289



LASHING  
RINGS &  
LINKS

179-187

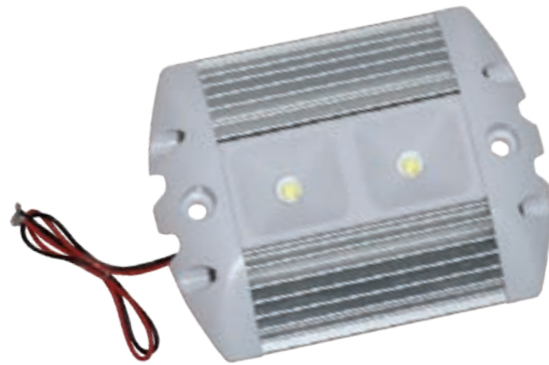
## Superlux – SI3

Surface Mounted

LED

### LTMSSI3/23/DV

- L128 x W100 x D15mm
- 624 Lumens
- Multi-voltage
- IP67 Rated
- Robust aluminium construction with a unique impact deflection design
- Low profile design
- 2 x High intensity CREE LED's
- Temperature range: -30°C to +40°C
- 200mm Fly lead
- Low power consumption
- 10 Year warranty
- wgt. 0.17kg



624 LUMENS

Labcraft  
DESIGN LED LIGHTING



## Powerlux – SI3

Surface Mounted

LED

### LTMSSI3/6/1/DV

- L298 x W100 x D17mm
- 1194 Lumens
- Multi-voltage
- IP67 Rated
- Robust aluminium construction with a unique impact deflection design
- Low profile design
- 6 x High intensity CREE LED's
- Temperature range: -30°C to +40°C
- 230mm Fly lead
- Low power consumption
- 10 Year warranty
- PIR Sensor option available upon request
- wgt. 0.46kg



1194 LUMENS

Labcraft  
DESIGN LED LIGHTING



## Hyperlux – SI3

Surface Mounted

LED

### LTMSSI3/6/3/DV

- L298 x W100 x D17mm
- 1872 Lumens
- Multi-voltage
- IP67 Rated
- Robust aluminium construction with a unique impact deflection design
- Low profile design
- 6 x High intensity CREE LED's
- Temperature range: -30°C to +40°C
- 230mm Fly lead
- Low power consumption
- 10 Year warranty
- PIR Sensor option available upon request
- wgt. 0.46kg



1872 LUMENS

Labcraft  
DESIGN LED LIGHTING



## Scenelite – SI6

Surface Mounted  
Unique Light Projection Covering over 50m<sup>2</sup>

LED

### LTMSSI6/63/DV

- L310 x W82 x D38mm
- 1872 Lumens
- Multi-voltage
- IP67 Rated
- Robust construction / tough enclosure
- 6 x High intensity CREE LED's
- All 6 LED's are angled at 40° towards the ground, the outer 2 LED's are then tilted at 30° to each side, improving light distribution
- Temperature range: -20°C to +40°C
- 230mm Fly lead
- Low power consumption
- 10 Year warranty
- wgt. 0.45kg



1872 LUMENS


 Labcraft  
DESIGN LED LIGHTING


## Scenelite – SI7

Surface Mounted  
Unique Curved Light Projection Covering over 30m<sup>2</sup>

LED

### LTMSSI7/53/B/DV Black

### LTMSSI7/53/W/DV White

- L230 x W63 x D36mm
- 1560 Lumens
- Multi-voltage
- IP67 Rated
- Solid aluminium housing / tough outer enclosure
- 5 x High intensity CREE LED's
- Temperature range: -30°C to +40°C
- 230mm Fly lead
- Low power consumption
- 10 Year warranty
- wgt. 0.30kg



1560 LUMENS


 Labcraft  
DESIGN LED LIGHTING


## Scenelite – SI8

Surface Mounted  
Compact Design Covering over 20m<sup>2</sup>

LED

### LTMSSI8/43/B/DV

- L182 x W50 x D20mm
- 1248 Lumens
- Multi-voltage
- IP67 Rated
- Solid aluminium base / tough outer enclosure
- 4 x High intensity CREE LED's
- Temperature range: -30°C to +40°C
- 200mm Fly lead
- Low power consumption
- 10 Year warranty
- wgt. 0.46kg



1248 LUMENS

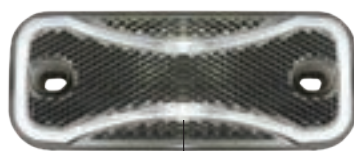

 Labcraft  
DESIGN LED LIGHTING


## LED Front Marker Lamp

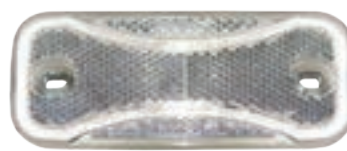
Surface Mounted

LTMS26279C/FDV

- L116 x W47 x D18mm
- Multi-voltage
- IP67 Rated
- Fully sealed
- Integral reflector
- 500mm Fly lead
- Optical light guide technology – Unique light pattern
- wgt. 0.08kg



Optical light guide technology



LED

maxi-lux

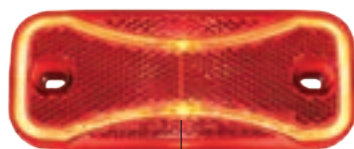


## LED Rear Marker Lamp

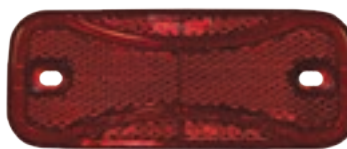
Surface Mounted

LTMS26279R/RDV

- L116 x W47 x D18mm
- Multi-voltage
- IP67 Rated
- Fully sealed
- Integral reflector
- 500mm Fly lead
- Optical light guide technology – Unique light pattern
- wgt. 0.08kg



Optical light guide technology



LED

maxi-lux

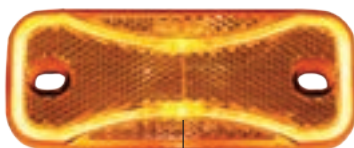


## LED Side Marker Lamp

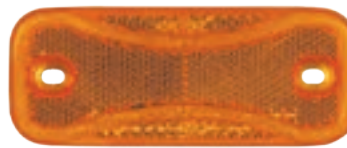
Surface Mounted

LTMS26279A/SDV

- L116 x W47 x D18mm
- Multi-voltage
- IP67 Rated
- Fully sealed
- Integral reflector
- 500mm Fly lead
- Optical light guide technology – Unique light pattern
- wgt. 0.08kg



Optical light guide technology



LED

maxi-lux



## LED Side Marker Lamp

Horizontal Bracket

LTMS26279A/SHDV

- L116 x W70 x D40mm
- Multi-voltage
- IP67 Rated
- Fully sealed
- Integral reflector
- 25mm Deep bracket
- 500mm Fly lead
- Optical light guide technology – Unique light pattern
- wgt. 0.09kg



Optical light guide technology



LED

maxi-lux



## LED Front, Rear & Side Marker Lamps

LED

Surface Mounted

LTMS316801050/DV Front

LTMS316801052/DV Rear

LTMS316801051/DV Side

- L59 x W36 x D27mm
- Multi-voltage
- IP68 Rated
- 500mm Fly lead
- wgt. 0.04kg



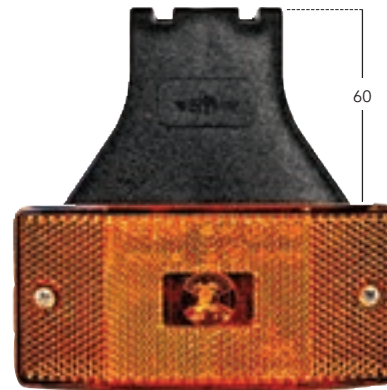
## LED Side Marker Lamp

Horizontal Bracket

LED

LTMS30141/SHDV

- L113 x W53 x D17mm
- Multi-voltage
- IP56 Rated
- Fully sealed
- Integral reflector
- 60mm Deep bracket
- 500mm Fly lead
- wgt. 0.08kg



## LED Side Marker Lamp

Surface Mounted

LED

LTMS30158/SDV

- L112 x W38 x D20mm
- Multi-voltage
- IP56 Rated
- Fully sealed
- Integral reflector
- Gasket seal
- 500mm Fly lead
- wgt. 0.05kg



## LED Side Marker Lamp

Horizontal Bracket

**LTMS30157/SHDV**

- L100 x W50 x D34mm
- Multi-voltage
- IP56 Rated
- Fully sealed
- Integral reflector
- 30mm Deep bracket
- 500mm Fly lead
- wgt. 0.06kg



LED



## LED Front, Rear & Side Marker Lamps

Surface Mounted

**LTMS30157/FDV** Front

**LTMS30157/RDV** Rear

**LTMS30157/SDV** Side

- L100 x W35 x D20mm
- Multi-voltage
- IP56 Rated
- Fully sealed
- Integral reflector
- Gasket seal
- 500mm Fly lead
- wgt. 0.05kg



Front



Rear



Side

LED



## LED Side Marker Lamp

Horizontal Bracket

**LTMSM50/DVHB** 500mm Fly lead

**LTMSM50/DVHB/SS** Superseal connector

- L120 x W45 x D16.5mm
- Multi-voltage
- IP67 Rated
- Integral reflector
- 40mm Deep bracket
- No visible fixings
- wgt. 0.05kg



Superseal connector

LED



## LED Front, Rear & Side Marker Lamps

Surface Mounted

LED

### LTMSFM50/DVFB Front

- 500mm Fly lead

### LTMSFM50/DVFB/SS Front

- Superseal connector

### LTMSRM50/DVFB Rear

- 500mm Fly lead

### LTMSRM50/DVFB/SS Rear

- Superseal connector

### LTMSSM50/DVFB Side

- 500mm Fly lead
- L120 x W45 x D16.5mm
- Multi-voltage
- IP67 Rated
- Integral reflector
- Gasket seal
- No visible fixings
- wgt. 0.07kg



Front



Rear



Side



Superseal connector

### LTMSSM50/HB

- Horizontal bracket
- Suits all lamps above
- wgt. 0.01kg



LTMSSM50/HB



## LED Front & Rear Marker Lamps

Surface Mounted

LED

### LTMSFM60/DVFB Front

### LTMSRM60/DVFB Rear

- L70 x W42 x D24mm
- Multi-voltage
- IP67 Rated
- Integral reflector
- No visible fixings
- 500mm Fly lead
- wgt. 0.04kg



Front



Rear



## LED Side Marker Lamp & CAT5 Repeater

Horizontal Bracket & Surface Mounted Options

Improves vehicle visibility in hazard situations and turning procedures.

The 2 part construction provides a simple installation and ensures easy replacement whilst in service

**LTMSPL115/S10/DV** Surface mounted

**LTMSPL115/S11/DV** Horizontal bracket

- L154 x W48 x D20mm
- Multi-voltage
- IP67 Rated
- Integral reflector
- No visible fixings
- 500mm Fly lead
- No tools are required to replace the unit
- wgt. 0.14kg



LED

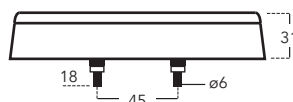
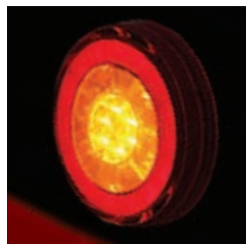


## LED Rear Combination Lamp

Stop/Tail/Indicator

**LTMS26034/1/DV**

- $\varnothing 140$  x D31mm
- Multi-voltage
- IP67 Rated
- Low power consumption
- Modern design
- Low profile – only 31mm
- 3000mm Fly lead
- wgt. 0.46kg



LED



## Bulb Rear Combination Lamp

Position / Side / Stop / Reverse / Direction Indicator / Reflex Reflector & Fog

**LTMSL0302001/LH** Left hand

**LTMSL0303001/RH** Right hand

- L350 x W130 x D83mm
- Multi-voltage (bulbs not included)
- Cable gland exit
- Horizontal mounting
- Terminal block connection
- wgt. 0.80kg



Left hand

BULB



## LED Rear Combination Lamp

LED

Stop / Tail / Reverse / Direction Indicator /  
Reflex Reflector & Fog

**LTMSL7800L/DV** Suitable for left & right hand fitment

**LTMSL7801L/DV** Suitable for left & right hand fitment

- L345 x W126 x D35mm
- Multi-voltage
- Direct replacement for many O.E. lights
- Low power consumption
- 450mm Fly lead
- 5 Year warranty
- LTMSL7801L/DV - 5 Function & red side marker is permitted under the requirement of ECE Reg. 48 & Reg. 91)
- wgt. 0.73kg



Left hand



## LED Triple Function Lamp

LED

Rubber Housing

**LTMS31740105000/DV** Left hand

**LTMS31740105100/DV** Right hand

- L170mm
- Multi-voltage
- IP67 Rated
- Flexible rubber arm
- Heavy duty rubber housing
- 500mm Fly lead
- wgt. 0.18kg



Right hand

Left hand

Front / side lens



## LED Stop Lamp – 3rd Brake Light

LED

Surface Mounted

**LTMS313630252/12** 12v

**LTMS313630252/24** 24v

- L274 x W34 x D31mm
- IP66 Rated
- 28 LED's
- Supplied complete with 2 x mounting screws
- Category S3 approved
- Suitable for ADR fitment
- 2400mm Fly lead
- wgt. 0.17kg



## LED Number Plate Lamp

LED

LTMS26800/DV

- L90 x W46 x D30mm
- Multi-voltage
- IP67 Rated
- Black plastic body
- Surface mounted bracket
- 500mm Fly lead
- Suitable for both square and rectangular plates
- Only 1 lamp required for ECE approval on square plates
- wgt. 0.06kg



## LED Number Plate Lamp

LED

LTMS26256/DV

- L86 x W39 x D37mm
- Multi-voltage
- IP67 Rated
- Grey plastic body
- Surface mounted bracket
- 450mm Fly lead
- Suitable for rectangular plates only
- 2 Lamps required for ECE approval
- wgt. 0.07kg



## LED Number Plate Lamp

LED

LTMS26807/DV

- L78 x W35 x D35mm
- Multi-voltage
- IP67 Rated
- Black plastic body
- Surface mounted bracket
- 450mm Fly lead
- 2 x M5 Bolt fixings
- Suitable for rectangular plates only
- Only 1 lamp required for ECE approval on rectangular plates
- wgt. 0.07kg



## LED Beacon

Compact

LED

LTMSRCV9810/DV

- ø99 Beacon (ø144 base) x H96mm
- Multi-voltage
- IP67 Rated
- 20 x High intensity LED's
- 3 Bolt fixing - ø6.5mm
- Rubber base seal
- Adjustable flash patterns
- Supplied with auxiliary on/off rocker switch & 900mm cable
- Polycarbonate lens
- 200mm Fly lead
- wgt. 0.61kg



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## LED Directional Warning Lamps

Surface / Bracket Mounted

LED

LTMS497022/DV

- L72 x W72 x D39mm
- Multi-voltage
- IP69K Rated
- Clear lens / amber LED's
- 36 x High intensity LED's
- Supplied complete with mounting bracket
- Triple flash pattern, can be synchronized with other units
- Compact design
- 2000mm Fly lead
- 3 Year warranty
- wgt. 0.19kg



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## LED Directional Warning Lamps

Surface Mounted

### LTMSL10451/DV

- L130mm x W30mm x D7mm
- Multi-voltage
- IP67 Rated
- Clear lens / amber LED's
- 6 High intensity LED's
- Surface mounted, c/w self adhesive pad or screw fixing
- 14 Flash patterns, can be synchronized with other units
- Compact / low-profile design, only 7mm protrusion
- 250mm Fly-lead
- 3 Year Warranty
- wgt. 0.03kg



LED



## LED Directional Warning Lamps

Surface Mounted

### LTMSPL355/S01/DV

- L136 x W56 x D25mm
- Multi-voltage
- IP67 Rated
- Clear lens / amber LED's
- 12 x High intensity LED's
- 18 Flash patterns, can be synchronized with other units
- 2 Part construction with hidden fixings
- 240mm Fly lead
- 3 Year warranty
- wgt. 0.15kg



LED



## LED Directional Warning Lamps

Surface Mounted with Optional Auxiliary Bracket

### LTMS26906CA/DV

- L143 x W95 x D40mm
- Multi-voltage
- IP67 Rated
- Clear lens / amber LED's
- 6 x High intensity LED's
- Single flash pattern, can be synchronized with other units
- Aluminium housing
- 1800mm Fly lead
- 3 Year warranty
- Regulation 65 approved
- wgt. 0.38kg



LED



Auxiliary bracket

### LTMS26906CA/BKT Optional Auxiliary Bracket

- Bracket only
- Mounts directly to the rear of the light



## LED Directional Warning Lamps

Surface Mounted with Optional Recessed Bracket

LED

### LTMS26908CA/DV

- L110 x W44 x D38mm
- Multi-voltage
- IP67 Rated
- Clear lens / amber LED's
- 6 x High intensity LED's
- 12 Flash patterns, can be synchronized with other units
- 180mm Fly lead
- 3 Year warranty
- Regulation 65 approved
- wgt. 0.11kg



Recessed bracket

### LTMS26908/CA/BKT Optional Recessed Bracket

- Bracket only
- Converts the lights into a recessed version

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## LED Directional Warning Lamps

Surface Mounted

LED

### LTMS26091CA/DV

- L118 x W46 x D25mm
- Multi-voltage
- IP67 Rated
- Clear lens / amber LED's
- 3 x High intensity LED's
- 12 Flash patterns, can be synchronized with other units
- 180mm Fly lead
- 3 Year warranty
- wgt. 0.10kg



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## LED Directional Warning Lamps

Surface Mounted

LED

### LTMS26903CA/DV

- L142 x W46 x D25mm
- Multi-voltage
- IP67 Rated
- Clear lens / amber LED's
- 4 x High intensity LED's
- 12 Flash patterns, can be synchronized with other units
- 180mm Fly lead
- 3 Year warranty
- wgt. 0.13kg



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## LED Light Bar

Compact Design / Low Profile

LED

### LTMS88876/DV

- L387 x W219 x D75mm
- Low profile - only 75mm
- Multi-voltage
- IP65 Rated
- Clear lens / amber LED's
- 56 x High intensity LED's
- Multiple flash patterns
- 360° Visibility
- 450mm Fly lead
- 3 Year warranty
- Regulation 65 approved
- wgt. 1.50kg



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## LED Light Bar

Low Profile

LED

### LTMS881150/DV

- L1150 x W305 x D121mm - with bracket
- Low profile - only 75mm - without bracket
- Multi-voltage
- IP65 Rated
- Clear lens / amber LED's
- 164 x High intensity LED's
- Multiple flash patterns
- 360° Visibility
- 500mm Fly lead
- 3 Year warranty
- Regulation 65 approved
- wgt. 10.80kg



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## LED 'Mini' Worklamp

800 Lumens

LED

LTMS377/228/DV

- W50 x H50 x D63mm
- Multi-voltage
- IP69K Rated
- 1 x LED
- Polycarbonate lens
- Flood beam
- Robust aluminium housing
- Compact design
- Stainless steel mounting bracket
- 320mm Fly lead
- 3 Year warranty
- wgt. 0.17kg



800 LUMENS

maxi-lux



## LED Worklamp / Reversing Lamp

1200 Lumens

LED

LTMS388/228/DV

- W105 x H105 x D55mm
- Multi-voltage
- IP69K Rated
- 6 x LED's
- Polycarbonate lens
- Flood beam
- Robust aluminium housing
- Stainless steel mounting bracket
- 280mm Fly lead
- 3 Year warranty
- ECE R23 compliant, must be in the declination angle of 30°
- wgt. 0.52kg



1200 LUMENS

maxi-lux



## LED Worklamp

1200 Lumens

LED

LTMS250/228/DV

- W150 x H51 x D61mm
- Multi-voltage
- IP69K Rated
- 6 x LED's
- Polycarbonate lens
- Flood beam
- Robust aluminium housing
- Stainless steel mounting bracket
- 280mm Fly lead
- 3 Year warranty
- wgt. 0.44kg



1200 LUMENS

maxi-lux

## LED Worklamp with Handle

2160 Lumens

LTMS344/228/DV

- W125 x H116 x D77mm including switch
- H150mm including handle
- Multi-voltage
- IP67 Rated
- 9 x LED's
- Polycarbonate lens
- Flood beam
- Robust aluminium housing
- Stainless steel mounting bracket
- Sealed rocker switch
- 280mm Fly lead
- 3 Year warranty
- wgt. 0.58kg



Sealed rocker switch



LED

2160 LUMENS

maxi-lux



## LED Worklamp

3200 Lumens

LTMS399/228/DV

- W106 x H106 x D77mm
- Multi-voltage
- IP69K Rated
- 4 x LED's
- Polycarbonate lens
- Flood beam
- Robust aluminium housing
- Stainless steel mounting bracket
- 280mm Fly lead
- 3 Year warranty
- wgt. 0.52kg



LED

3200 LUMENS

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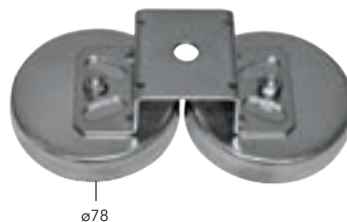


## Magnetic Mount

Stainless Steel Bracket

LTMS690032/MAG

- H48 x  $\varnothing$ 78mm (bases)
- Includes: 2 x magnetic bases, bracket, nuts & bolts
- Tested to withstand 18kg of pulling resistance
- Suitable for all worklamps
- wgt. 0.90kg



$\varnothing$ 78



LED

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## Vari-Force Compression Gas Springs

Vari-Force Compression Gas springs are fitted with a gas release valve mounted at the lower end of the body.

The valve can be used to release gas from the unit to lower the force required to compress or extend it.

The gas is released by simply loosening the lock screw with the allen key supplied, until gas is heard escaping. Immediately re-lock the screw and try the unit.

- Extreme care must be taken as a small amount of discharge dramatically lowers the units pressure
- The enclosed instructions must be adhered to in all applications – failure to do so will invalidate any warranty

| Part No.         | Rod Dia. (mm) | Open Length (mm) | Eye/Eye end Dia. (mm) | Stroke (mm) | Newton (N) | Weight (kg) |
|------------------|---------------|------------------|-----------------------|-------------|------------|-------------|
| GASV08NAY0650/EE | 8             | 485              | 8                     | 200         | 650        | 0.27        |
| GASV08PBC0650/EE | 8             | 585              | 8                     | 250         | 650        | 0.33        |
| GASV10NAY1200/EE | 10            | 515              | 10                    | 200         | 1200       | 0.32        |
| GASV10PBC1200/EE | 10            | 605              | 10                    | 250         | 1200       | 0.38        |

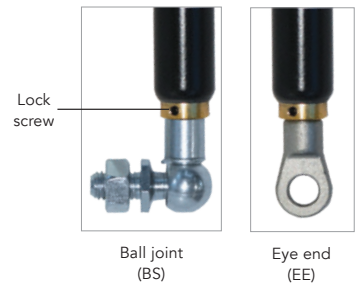
Vari-Force Compression Gas springs are supplied with eye ends, with either 8mm or 10mm fixing holes. Ball joint ends can be supplied separately using the following part numbers:

### GASEFBJ012Z/8BS

- Ball joint end fitting to suit ø8mm rod
- wgt. 0.03kg

### GASEFBJ006Z/10BS

- Ball joint end fitting to suit ø10mm rod
- wgt. 0.03kg



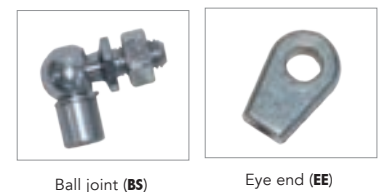
## Compression Gas Springs



Self contained, maintenance free units. A hydro-pneumatic ram is charged under pressure with an inert gas giving the characteristics of a compression spring, which coupled with a small change in force as it extends, provides a controlled rate of movement.

- Safe to use with easy fingertip control
- Robust design
- 2500 Different combinations available upon request – see page 130 for more information

| Part No.       | Rod Dia. (mm) | Open Length (mm) | End Fittings     | Stroke (mm) | Newton (N) | Weight (kg) |
|----------------|---------------|------------------|------------------|-------------|------------|-------------|
| GAS8485/150BS  | 8             | 485              | ø8mm Ball joints | 200         | 150        | 0.25        |
| GAS8585/400BS  | 8             | 585              | ø8mm Ball joints | 250         | 400        | 0.32        |
| GAS8485/150EE  | 8             | 485              | ø8mm Eye ends    | 200         | 150        | 0.25        |
| GAS8485/300EE  | 8             | 485              | ø8mm Eye ends    | 200         | 300        | 0.25        |
| GAS8485/400EE  | 8             | 485              | ø8mm Eye ends    | 200         | 400        | 0.25        |
| GAS8485/500EE  | 8             | 485              | ø8mm Eye ends    | 200         | 500        | 0.25        |
| GAS8485/700EE  | 8             | 485              | ø8mm Eye ends    | 200         | 700        | 0.25        |
| GAS8525/600EE  | 8             | 525              | ø8mm Eye ends    | 220         | 600        | 0.27        |
| GAS10515/300BS | 10            | 515              | ø8mm Ball joints | 200         | 300        | 0.32        |



Alternative End Fitting:

### GASEFBJ012Z/8BS

- Ball joint end fitting to suit ø8mm rod
- wgt. 0.03kg

For Compression Gas Spring Identification, please complete the form on page 130

### Compression Gas Spring

Identification / Order Form



Please photocopy this page and fill in the relevant details, then scan and email to sales@cbf.uk.com

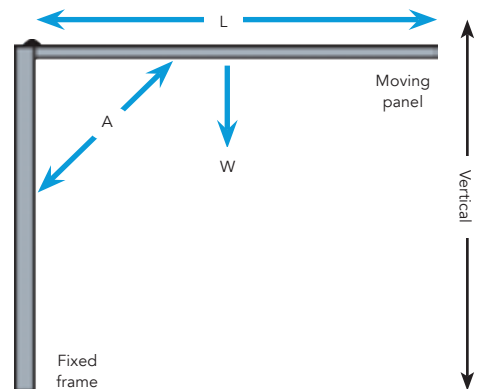
#### PLEASE USE BLOCK CAPITALS

|               |                    |
|---------------|--------------------|
| Company Name: | Contact Name:      |
| Telephone No: | Required Quantity: |
| E-Mail:       | Order No:          |

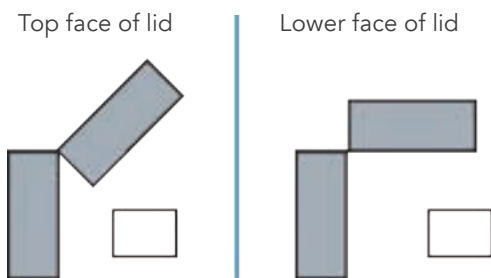
Please complete the following information for all **NEW** Gas Spring requests

- If your application frame is not vertical as shown in the diagram below, please provide the following information:

|   |           |
|---|-----------|
| Length of lid from hinge pivot point to end of lid (L)                      | (mm)      |
| Weight of the panel (W)   | (kg)      |
| Panel thickness   | (mm)      |
| Required opening angle (A)<br>if no information is input we will assume 90° | (degrees) |
| Required end fittings – Ball Joint or Eye End                               |           |

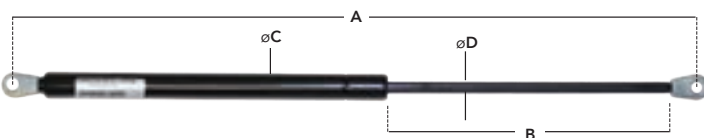


#### Where is the hinge pivot point on the lid?





#### Existing Compression Gas Spring Identification

please complete the following:



Part No. (any manufacturer) or identification marks

|                         |                    |                           |                          |         |   |  |
|-------------------------|--------------------|---------------------------|--------------------------|---------|---|--|
| <b>A</b><br>Open Length | <b>B</b><br>Stroke | <b>C</b><br>Body Diameter | <b>D</b><br>Rod Diameter | Newtons | Eye End<br> <input type="checkbox"/> | Ball Joint<br> <input type="checkbox"/> |
|-------------------------|--------------------|---------------------------|--------------------------|---------|---|--|

## Locker Handle

Black Moulded Plastic

### HAPL9200

- L170 x W28 x H38mm
- 134mm Hole centres
- 2 x L8 x W4.2mm Slotted fixing holes
- Complete with fixing hole retaining flaps
- wgt. 0.03kg



## Locker Handle

Black Plastic

### HAPL9207

- L245 x W23 x H36mm
- 205mm Hole centres
- 2 x ø6mm Fixing holes
- wgt. 0.05kg



## Handle

Black Plastic

### HAPL9208

- L245 x W31 x H54mm
- 220mm Hole centres
- 2 x ø8mm Fixing holes
- wgt. 0.18kg



## Handle

Plastic / Steel Core

### HAPL3850/165BLK Black

### HAPL3850/165YEL Yellow

- L194 x W24 x H50 mm
- 165mm Hole centres
- wgt. 0.18kg

### HAPL3850/245BLK Black

### HAPL3850/245YEL Yellow

- L272 x W24 x H50 mm
- 245mm Hole centres
- wgt. 0.26kg

- 2 x ø6mm Fixing holes
- Supplied with 2 x plastic hole caps

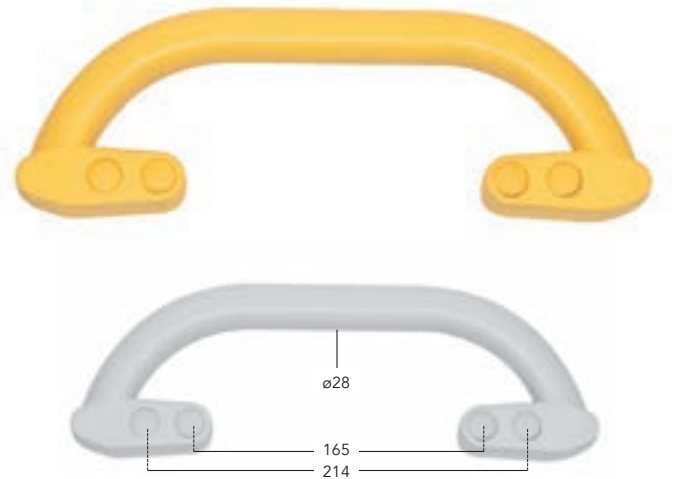


## Offset Grab Handle

Polyurethane / Steel Cored / Low Profile Design

**HAPL4100/300YEL**

- 300mm Overall length
- Patterned padded surface, shaped for good grip – approx.  $\varnothing 28$ mm
- Steel core with polyurethane body
- Supplied with plastic hole caps
- 4 x  $\varnothing 6.8$ mm Concealed fixing holes
- wgt. 0.40kg

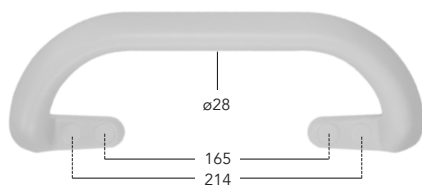


## Offset Grab Handle

Polyurethane / Steel Cored

**HAPL4870/300BLK** Black    **HAPL4870/300YEL** Yellow

- 300mm Overall length
- Patterned padded surface, shaped for good grip – approx.  $\varnothing 28$ mm
- Steel core with polyurethane body
- Supplied with plastic hole caps
- 4 x  $\varnothing 6.8$ mm Concealed fixing holes
- wgt. 0.48kg



## Steel Grab Handle – Smooth Grip

Yellow Powder Coated

**HAPL4650/360YEL**

- 360mm Hole centres
- Heavy duty construction
- $\varnothing 35$ mm Smooth grip
- 2 x  $\varnothing 8$ mm Fixing holes
- wgt. 0.49kg



## Steel Grab Handle – ‘Raised’ (Convex) Diamond Pattern Grip

Yellow Powder Coated

### HAPL4800/250YEL

- 250mm Hole centres
- 102mm Overall height
- wgt. 0.43kg

### HAPL4800/340YEL

- 340mm Hole centres
- 102mm Overall height
- wgt. 0.53kg

### HAPL4800/550YEL

- 550mm Hole centres
- 102mm Overall height
- wgt. 0.73kg

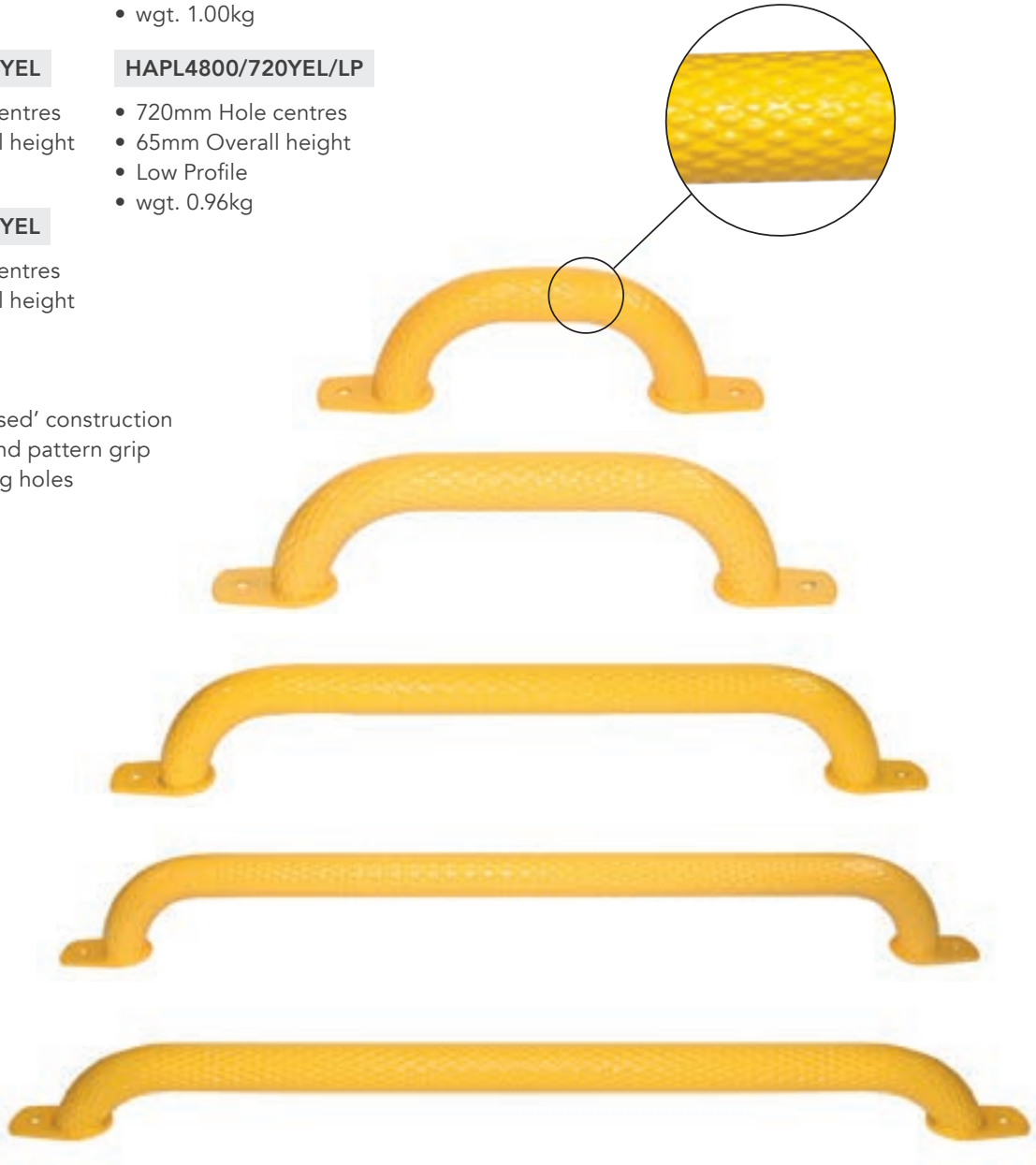
### HAPL4800/720YEL

- 720mm Hole centres
- 102mm Overall height
- wgt. 1.00kg


### HAPL4800/720YEL/LP

- 720mm Hole centres
- 65mm Overall height
- Low Profile
- wgt. 0.96kg

- Heavy duty ‘raised’ construction
- ø35mm Diamond pattern grip
- 2 x ø8mm Fixing holes




**ROPE HOOKS** **248-249**



**HINGE & HINGE PIN SETS** **178**



**TIPPER FITTINGS**  
**310-312**

## Recessed Grab Handle

AT600 Surface Coated

**H AFL8000/100AT**

- L176 x W110 x H40mm
- Cut-out required: L145 x W79 x D39mm
- 4 x  $\varnothing 6.5$ mm Fixing holes
- Suitable for use in 125mm wide rear frames
- Off-set  $\varnothing 10$ mm grab handle
- Suitable for nearside & offside fitment
- Armour-Tech 600 (AT600) surface coating
- 600 Hours+ salt spray tested
- wgt. 0.52kg



## Handle

Chromium Plated Diecast Steel

**H APL2923/150**

- L195 x W40 x H45mm
- 150mm Hole centres
- 2 x  $\varnothing 6$ mm Countersunk fixing holes
- wgt. 0.19kg



## Handle

Stainless Steel

**H APL2550/265SS**

- L286 x W35 x H40 mm
- 265mm Hole centres
- 304G Stainless steel
- 2 x  $\varnothing 10$ mm Fixing holes
- wgt. 0.24kg



## Recessed Panel Handle

Black Plastic

**H AFL414/PL**

- L133 x W60mm
- Recess: L90 x W45 x D20mm
- 4 x  $\varnothing 6.5$ mm Countersunk fixing holes
- wgt. 0.05kg



## Recessed Panel Handle

Black Steel

**H AFL414/ST**

- L133 x W60mm
- Recess: L90 x W50 x D20mm
- 4 x  $\varnothing 6.5$ mm Countersunk fixing holes
- wgt. 0.12kg



## Chest Handle

Zinc Plated

**HAFL246**

- L100 x W75mm
- 4 x  $\varnothing$ 7mm Fixing holes
- wgt. 0.16kg



## Chest Handle

Zinc Plated

**HAFL92260/ZP**

- L102 x W52mm
- Robust design
- Spring loaded handle
- Plastic grip
- 4 x  $\varnothing$ 5mm Fixing holes
- wgt. 0.23kg

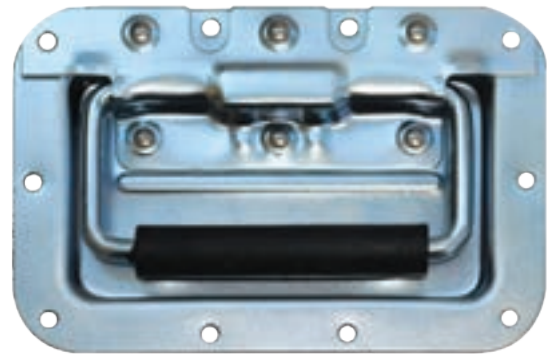


## Recessed Chest Handle

Zinc Plated

**HAFL65260/ZP**

- L160 x W107mm
- Recess: L129 x W76 x D10mm
- Robust design
- Plastic grip
- Spring loaded handle
- 10 x  $\varnothing$ 5mm Fixing holes
- wgt. 0.35kg



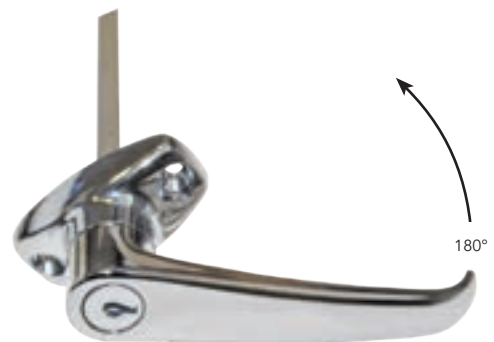
## 'L' Shaped Lever Handle

Chromium Plated

**HALK1620/L** Locking, complete with 2 keys

**HALK1620/P** Non-locking

- 2 Way - 180° operation
- Handle: L101mm
- 45mm Hole centres
- Shaft: L105 x 7.8mm square
- Supplied with gasket
- 2 x  $\varnothing$ 5.5mm Countersunk fixing holes
- wgt. 0.25kg



## 'L' Shaped Lever Handle

Chromium Plated

**HALK4012/L** Locking, complete with 2 keys

- 1 Way - 90° operation
- Handle: L101mm
- 45mm Hole centres
- Shaft: L105 x 7.8mm square
- Supplied with gasket
- 2 x  $\varnothing$ 5.5mm Countersunk fixing holes
- wgt. 0.25kg

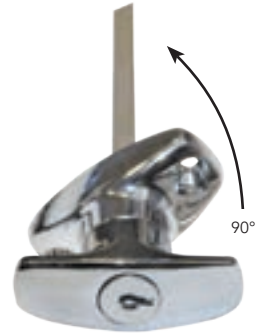


## 'T' Shaped Handle

Chromium Plated

**HALK9012/L** Locking, complete with 2 keys

- 1 Way – 90° operation
- Handle: L60mm
- 45mm Hole centres
- Shaft: L165 x 7.8mm square
- Supplied with gasket
- 2 x ø5.5mm Countersunk fixing holes
- wgt. 0.23kg

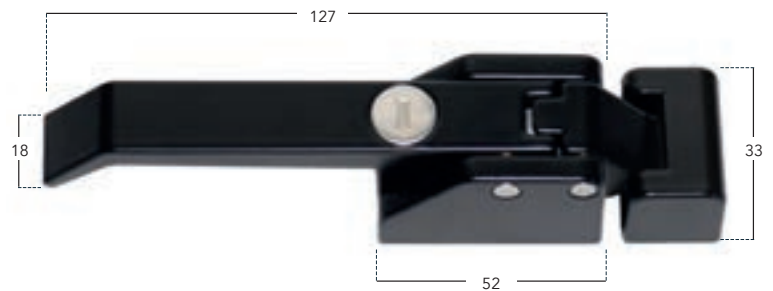


## Cabinet Lock & Keeper Set – HP Series

Black Powder Coated

**HALK615/127BLK/L**

- L127mm x W18 x D31.5mm
- Surface mounted
- Die-cast zinc alloy construction
- 6 x ø5mm Pre-threaded fixing holes
- Supplied with 2 keys
- Stainless steel pins
- Full dimensions available upon request
- wgt. 0.36kg



## Compression Latch Handle – HP Series

Black Nylon Composite Bodied / Corrosion Resistant

**HALK859/155BLK/TL**

- L155mm x W25 x D29.5mm
- 360° Rotation
- 8mm shaft compression
- Quarter turn opening or closing
- 8mm Triangle locking drive / padlockable
- Suitable for LH & RH opening door
- 3 x ø5.3mm fixing holes
- Supplied with 2 keys
- Steel shaft & cam, zinc plated
- Full dimensions available upon request
- wgt. 0.25kg



## Padlockable Lever Handle

Stainless Steel

**HALK1000/LSS**

- 2 Way – 360° operation
- Handle: L152mm
- Shaft: L82 x 7.8mm square
- 3 x ø6.5mm Fixing holes
- Base plate; T2mm
- Robust design
- wgt. 0.38kg



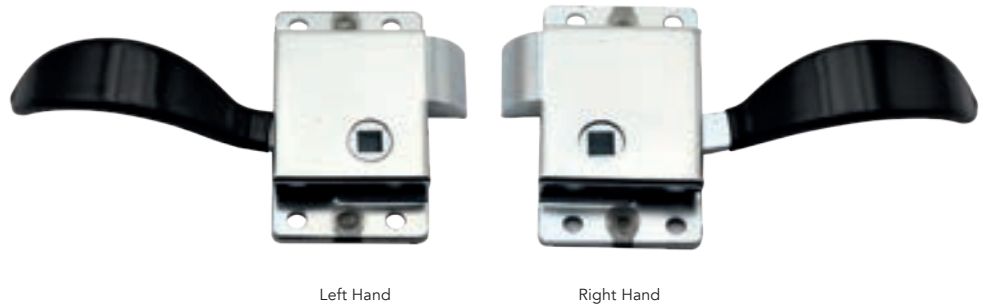
## Slam Lock with Handle

Zinc Plated

**LKSL55/LH** Left hand

**LKSL55/RH** Right hand

- Backplate: L85 x W50mm
- Handle: L90mm
- Accepts 7.8mm square shaft
- 4 x ø5.8mm Fixing holes
- wgt. 0.29kg



Left Hand

Right Hand

## Slam Lock

Zinc Plated

**LKSL394**

- Backplate: L87 x W68mm
- Accepts 7.8mm square shaft
- 4 x ø5mm Fixing holes
- wgt. 0.27kg



## Inside Handle

Chromium Plated

**HAINCBF155**

- Overall size: L124mm
- Accepts 7.8mm square shaft
- Numerous mounting angles
- Grub screw fixing
- Diecast steel
- wgt. 0.12kg



Grub screw

112

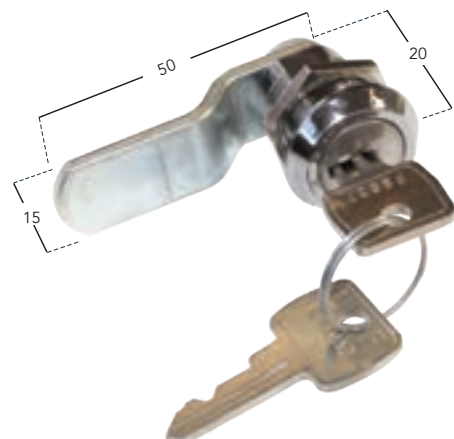
## Cam Locking Barrel

Chromium Plated

**LKMS90** 90° Rotation

**LKMS180** 180° Rotation

- Body: ø17.5mm x L20mm
- Offset tongue: L50 x W15mm
- Supplied with 2 keys
- wgt. 0.08kg



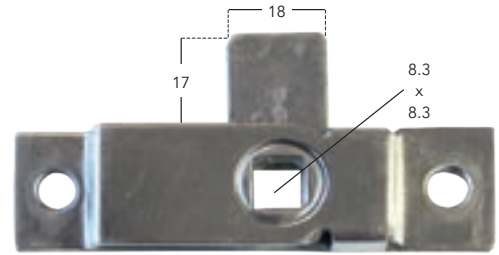
## Medium-Duty Budget Lock

Zinc Plated & Stainless Steel

**LKBD9656/SS** 304G Stainless steel

**LKBD9656/ZP** Zinc plated

- L85 x W23mm
- Held positively in open or closed position by concealed spring
- Suitable for both left & right hand fitment
- 2 x  $\varnothing$ 6.5mm Fixing holes
- wgt. 0.06kg

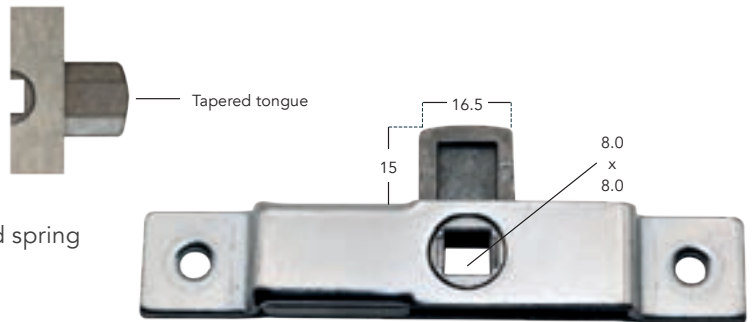


## Heavy-Duty Budget Lock

Zinc Plated

**LKBD9050/ZP**

- L105 x W20mm
- Tapered tongue for smooth operation
- Held positively in open or closed position by concealed spring
- Suitable for both left & right hand fitment
- 2 x  $\varnothing$ 5.2mm Fixing holes
- wgt. 0.08kg

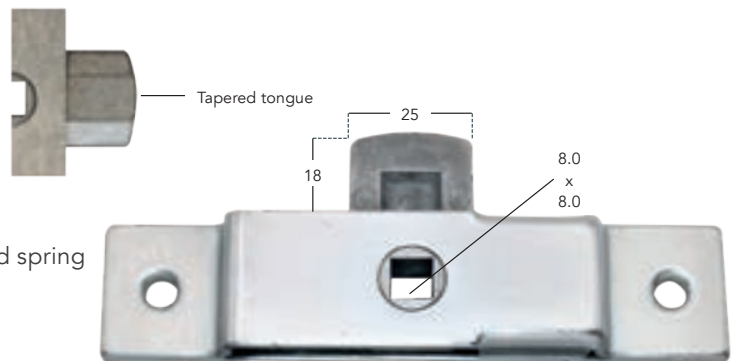


## Heavy-Duty Budget Lock

Zinc Plated

**LKBD9070/ZP**

- L125 x W28mm
- Tapered tongue for smooth operation
- Held positively in open or closed position by concealed spring
- Suitable for both left & right hand fitment
- 2 x  $\varnothing$ 6.5mm Fixing holes
- wgt. 0.18kg



## Tee Key

Zinc Plated

**LKBD3840/83ZP** L83 x W62mm

- Tapered Body • wgt. 0.07kg

**LKBD3840/125ZP** L125 x W70mm

- Tapered Body • wgt. 0.12kg



## Spring Loaded Escutcheon

Chromium Plated Steel

**HAES106**

- Overall:  $\varnothing$ 28mm
- $\varnothing$ 13mm Hole • Opens 110°
- 2 x  $\varnothing$ 3.4mm Countersunk fixing holes
- wgt. 0.02kg

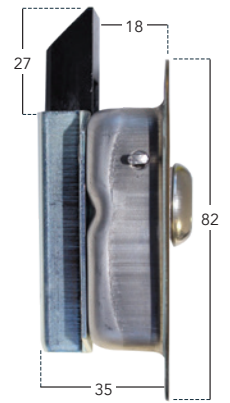


## Recessed 'Mini' Paddle Handle

Stainless Steel

**LPAD1100/LSS**

- L82 x W82 x D35mm
- Cut-out required: L64 x W62 x D37mm
- Supplied with gasket & 2 keys
- 4 x ø5mm Fixing holes
- 304G Stainless Steel
- wgt. 0.29kg

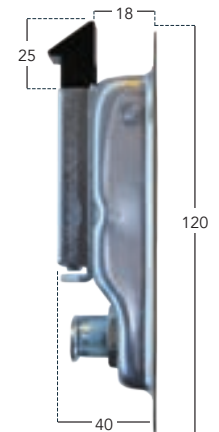


## Recessed Paddle Handle

Stainless Steel

**LPAD1300/LSS**

- L120 x W95 x D40mm
- Cut-out required: L94 x W65 x D42mm
- Supplied with gasket & 2 keys
- 4 x ø5mm Fixing holes
- 304G Stainless Steel
- wgt. 0.40kg



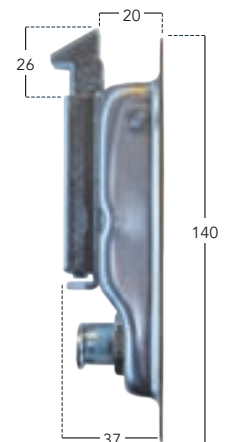
## Recessed Paddle Handle

Stainless Steel & Zinc Plated

**LPAD1500/LSS** 304G Stainless steel

**LPAD1500/LZP** Zinc plated

- L140 x W108 x D37mm
- Cut-out required: L113 x W80 x D39mm
- Supplied with gasket & 2 keys
- 4 x ø4mm Fixing holes
- wgt. 0.56kg



## MRF Recessed Paddle Handle

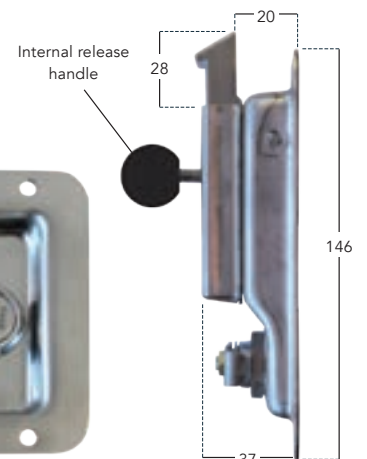
Stainless Steel

**MRF202520203**

- L146 x W92 x D37mm
- Cut-out required: L126 x W69 x D39mm
- Complete with internal release handle
- Supplied with 2 keys
- 4 x ø5mm Fixing holes
- 304G Stainless Steel • wgt. 0.60kg

**MRF301010650**

- Optional gasket
- wgt. 0.002kg

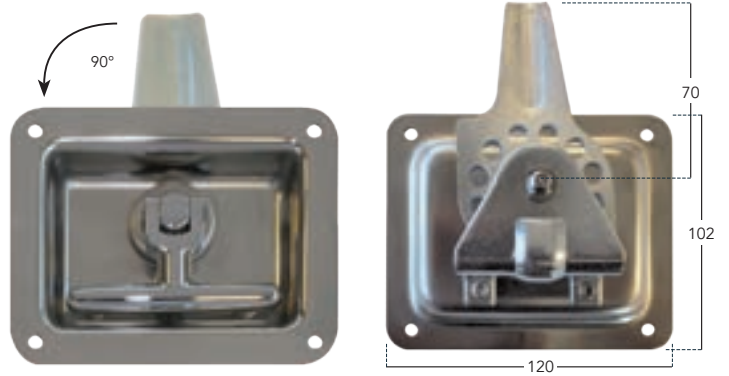


## Recessed Drop 'T' Handle

Stainless Steel

**HALK1503/NL** Non-locking

- L120 x W102 x D60mm
- Cut-out required: L96 x W76 x D65mm
- Handle turns anti-clockwise to release catch
- Supplied with gasket
- 4 x  $\varnothing$ 5mm Fixing holes
- 304G Stainless Steel
- wgt. 0.58kg

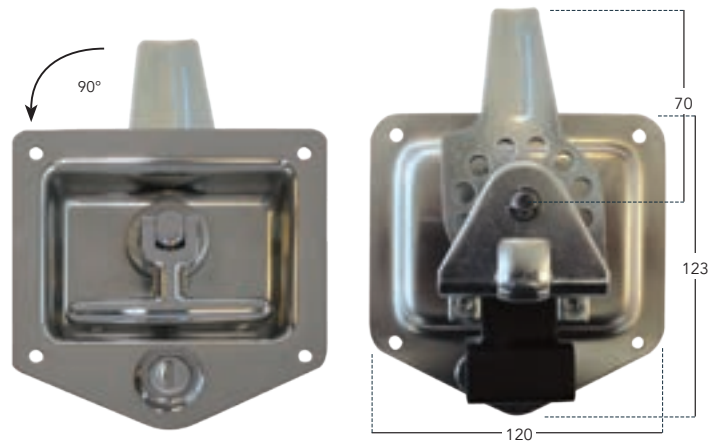


## Recessed Drop 'T' Handle

Stainless Steel

**HALK1503/L** Locking

- L120 x W123 x D64mm
- Cut-out required: L93 x W75 x D69mm
- Handle turns anti-clockwise to release catch
- Supplied with gasket & 2 keys
- 4 x  $\varnothing$ 5mm Fixing holes
- 304G Stainless Steel
- wgt. 0.68kg

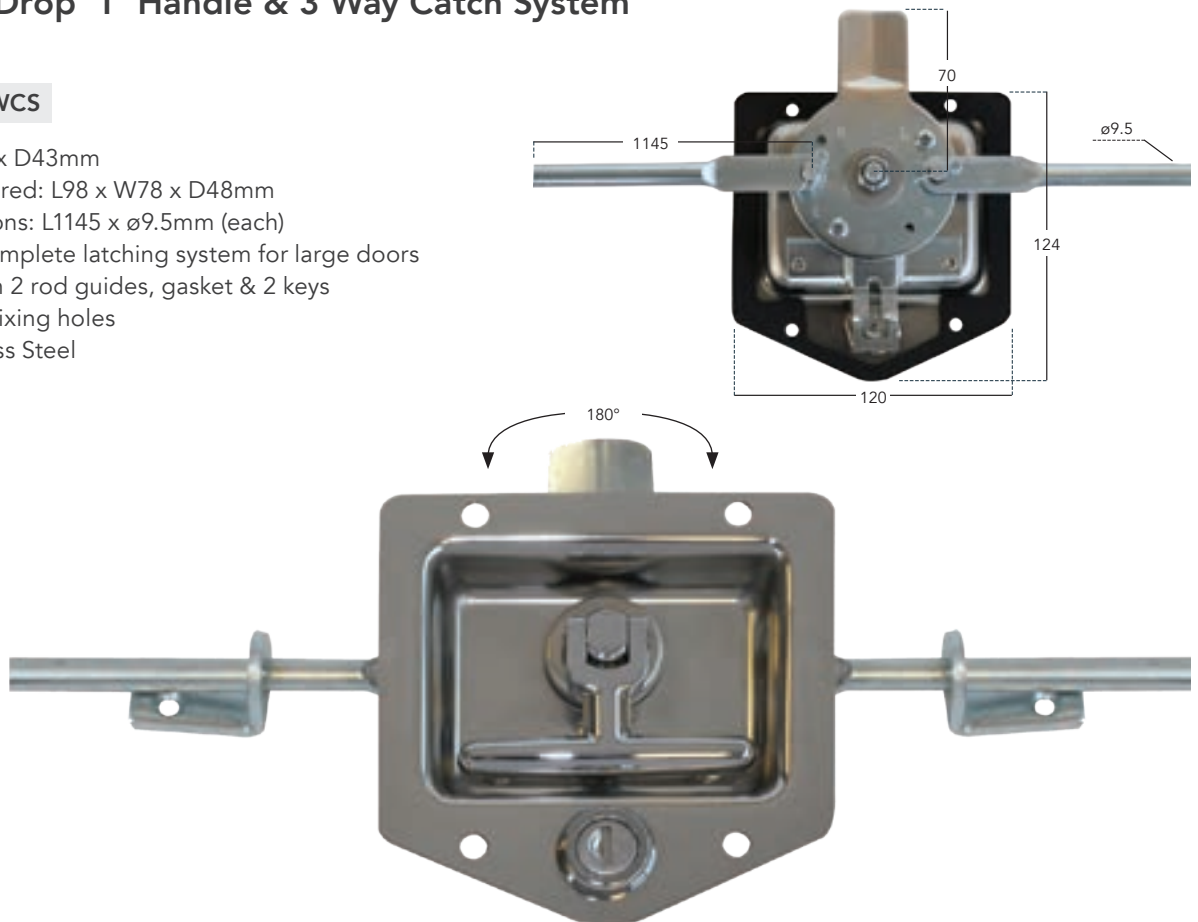


## Recessed Drop 'T' Handle & 3 Way Catch System

Stainless Steel

**HALK1504/3WCS**

- L120 x W124 x D43mm
- Cut-out required: L98 x W78 x D48mm
- Rod dimensions: L1145 x  $\varnothing$ 9.5mm (each)
- Provides a complete latching system for large doors
- Supplied with 2 rod guides, gasket & 2 keys
- 4 x  $\varnothing$ 7.5mm Fixing holes
- 304G Stainless Steel
- wgt. 2.09kg



## Flush Compression Lever Latch

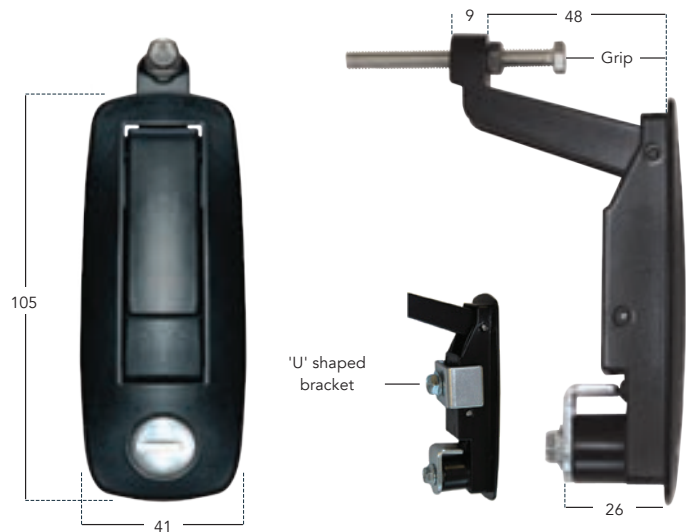
Black Powder Coated – Die Cast Zinc Alloy

**HALK1619010/L** Grip range: 1-25mm

- L105 x W41 x D26mm
- Cut-out required: L96 x W23 x D31mm
- Supplied with gasket & 2 keys
- 2 Bolts are supplied to allow for adjustable grip length
- Push button operation
- Minimal front face protrusion
- Mounted via the rear with a 'U' shaped bracket
- wgt. 0.23kg

**HALK1619010/KEY**

- Additional keys (x2)
- wgt. 0.003kg



## Flush Compression Lever Latch

Black Powder Coated – Die Cast Zinc Alloy

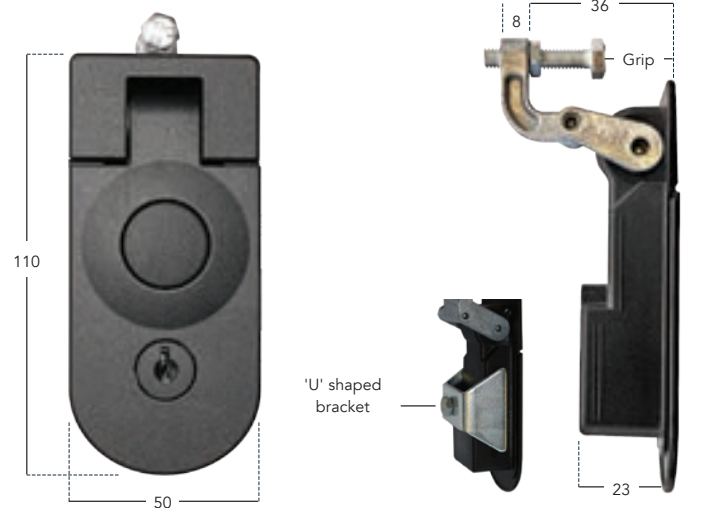
**HALKC52115/3** Grip range: 1-11mm

**HALKC52225/3** Grip range: 11-21mm

- L110 x W50 x D23mm
- Cut-out required: L90 x W35 x D28mm
- Supplied with 2 keys
- Adjustable grip length
- Push button operation
- Fully sealed unit
- Minimal front face protrusion
- Mounted via the rear with a 'U' shaped bracket
- wgt. 0.31kg

**HALKC5/82**

- Gasket to suit

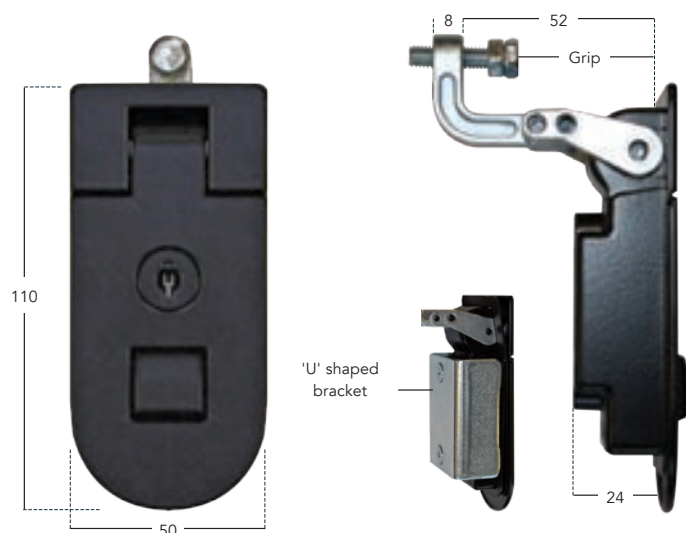


## Flush Compression Lever Latch

Black Powder Coated – Die Cast Zinc Alloy

**HALK7183/L** Grip range: 1-48mm

- L110 x W50 x D24mm
- Cut-out required: L89 x W34 x D29mm
- Supplied with gasket & 2 keys
- 2 Bolts are supplied to allow for adjustable grip length
- Push button operation
- Fully sealed unit
- Minimal front face protrusion
- Mounted via the rear with a 'U' shaped bracket
- wgt. 0.45kg



## Flush Compression Lever Latch – HP Series

Black Powder Coated – Die Cast Zinc Alloy

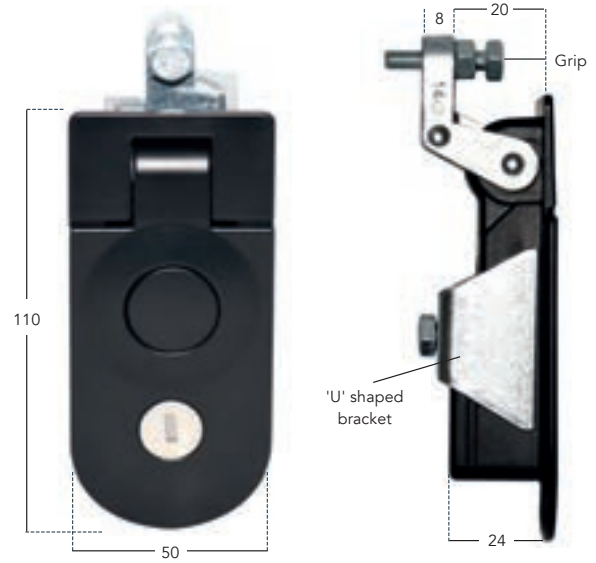
**HALK12/214/0114/L** 1–14mm Grip Range

**HALK12/229/1429/L** 14–29mm Grip Range

**HALK12/245/2945/L** 29–45mm Grip Range

**HALK12/257/4557/L** 45–57mm Grip Range

- L110 x W50 x D24mm
- Cut-out required: L90mm x W35mm x D22mm
- Grip range: choice of 4 adjustable ranges
- Zinc alloy / black powder coated
- Supplied with rubber gasket seal
- Push button operation
- Fully sealed unit
- Minimal front face protrusion
- Supplied with 2 keys
- Mounted via rear with a 'U' shaped bracket
- wgt. 0.34kg

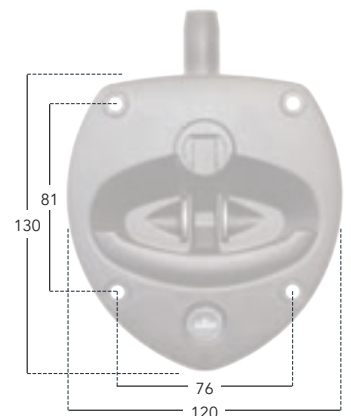
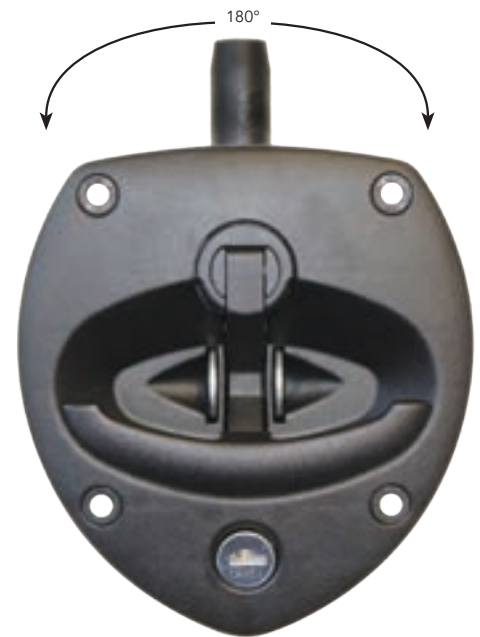


## Vector 'T' Handle

Black Nylon Composite Body / Die Cast Zinc Handle

**HALK275021/06/S1**

- L130 x W120 x D80mm (max.)
- Typical applications include: toolboxes, storage boxes, lockers etc.
- Adjustable roller cam to suit panel thicknesses from 15 to 60mm
- Glass fibre reinforced polyamide body and roller
- Stainless steel, spring loaded padlock loop
- Roller bearings ensure the smooth operation of the compression mechanism
- Fully sealed unit
- Supplied with 2 keys
- Panel cut-out dimensions available upon request
- 4 x  $\varnothing$ 5mm Countersunk fixing holes
- Stainless steel version available upon request
- wgt. 0.48kg

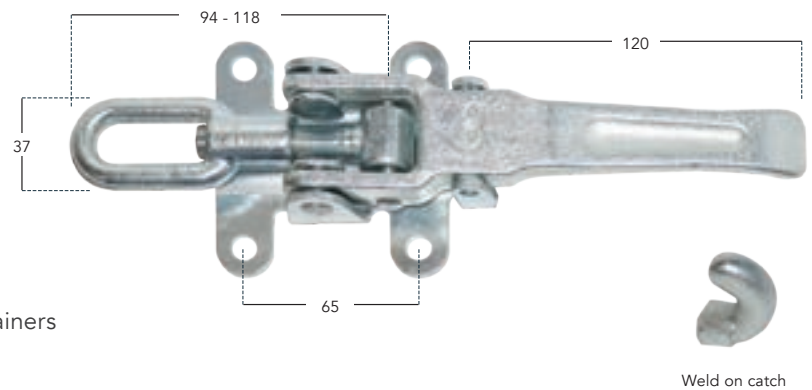


## Eccentric Fastener & Catch

Galvanized – Bolt-on

### ATBF7655/BGV

- Adjustable threaded shank: 94 to 118mm (approx.)
- Bolt-on
- 4 x  $\varnothing$ 9mm Fixing holes
- Heavy duty robust design
- Finger release safety catch
- Supplied with weld-on catch
- Widely used on tippers and car trailers. Other applications include toolboxes & transport containers
- Requires periodic maintenance (i.e. lubrication, adjustment or replacement of wearing parts)
- wgt. 0.92kg

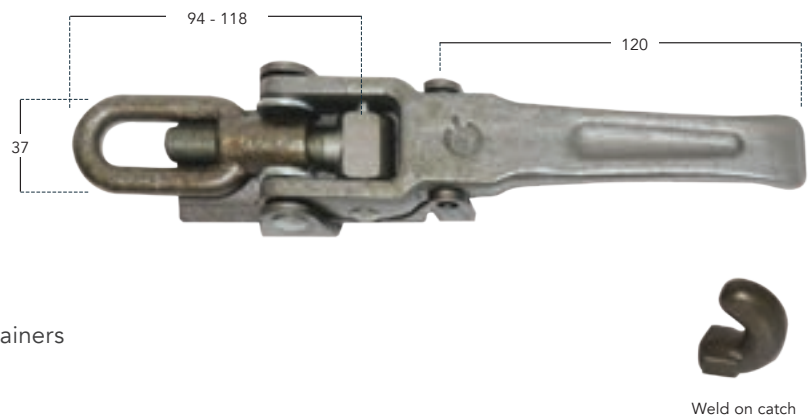


## Eccentric Fastener & Catch

Self Colour – Weld-on

### ATBF7666/WSC

- Adjustable threaded shank: 94 to 118mm (approx.)
- Weld-on
- Heavy duty robust design
- Finger release safety catch
- Supplied with weld-on catch
- Widely used on tippers and car trailers. Other applications include toolboxes & transport containers
- Requires periodic maintenance (i.e. lubrication, adjustment or replacement of wearing parts)
- wgt. 0.89kg

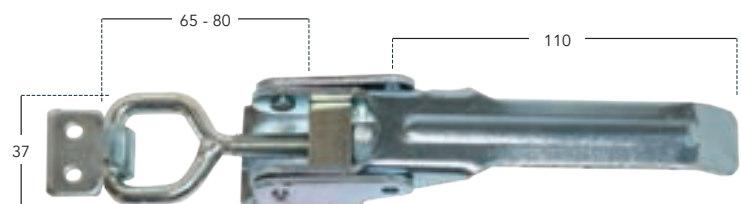


## Overcentre Fastener

Zinc Plated – Bolt-on

### ATBF80600

- Adjustable threaded shank: 65 to 80mm (approx.)
- Bolt-on
- 3 x  $\varnothing$ 5.3mm Fixing holes
- Medium duty design
- Supplied with bolt-on catch plate
- Widely used on tippers and car trailers. Other applications include toolboxes & transport containers
- Requires periodic maintenance (i.e. lubrication, adjustment or replacement of wearing parts)
- wgt. 0.27kg

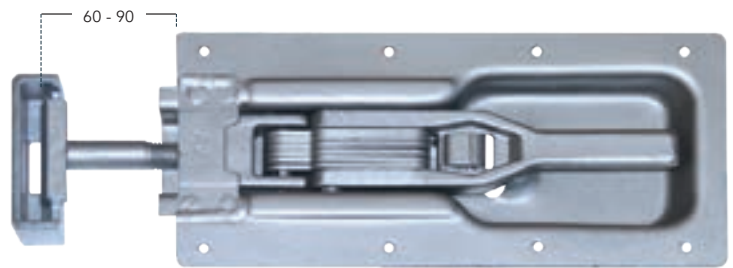


## Recessed Overcentre 'T' Lock

Zinc Plated

**ATBF975/ZP**

- Pan: L268 x W120 x D24mm
- Cut-out: L265 x W80 x D25mm
- 8 x ø5mm Fixing holes
- Weld-on catch plate: L80 x W29 x D24mm
- 60 to 90mm 'T' piece adjustment
- wgt. 1.77kg

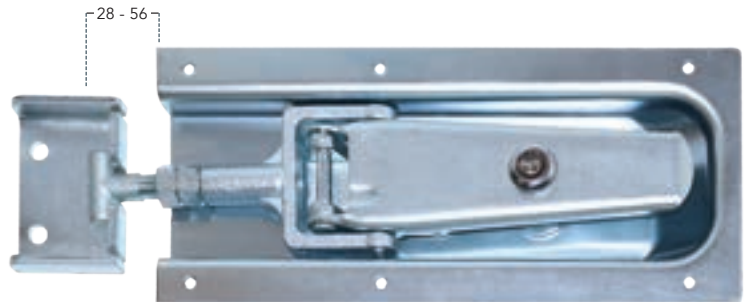


## Recessed 'Locking' Overcentre 'T' Lock

Zinc Plated

**ATBF994/ZP**

- Pan: L275 x W120 x D24mm
- Cut-out: L265 x W80 x D25mm
- 6 x ø5mm Fixing holes
- Supplied complete with locking barrel & 2 keys
- Supplied complete with 'T' piece and catch plate
- Bolt-on catch plate: L55 x W80 x D24mm  
2 x ø8.5mm fixing holes
- 28 to 56mm 'T' piece adjustment
- wgt. 1.30kg



## Surface Mounted Overcentre Lock

Zinc Plated

**ATBF746B**

- Backplate: L150 x W80mm
- 4 x ø8mm Fixing holes
- Spring loaded handle & loose toggle
- Supplied with self colour weld-on catch plate
- wgt. 1.01kg

### Optional Catches to Suit:

**ATBF894/BCSS** Bolt-on / 304G Stainless steel

**ATBF894/BCZP** Bolt-on / Zinc plated

- See page 146 for full specification
- wgt. 0.09kg



Supplied with  
weld-on catch



Optional  
catches

## Recessed Overcentre Lock

Zinc Plated with Stainless Steel Toggle

### ATBF894/ZPSS

- Pan: L290 x W120 x D23mm
- Cut-out: L300 x W80 x D21mm
- 6 x ø5mm Fixing holes
- 304G Stainless steel toggle and pins
- Spring loaded toggle
- All hard wearing components are stainless steel to prevent corrosion
- Not supplied with catch
- wgt. 1.44kg

### Catches to Suit:

**ATBF894/BCSS** Bolt-on / 304G Stainless steel

**ATBF894/BCZP** Bolt-on / Zinc plated

- wgt. 0.09kg

**ATBF894/WCSC** Weld-on / Self colour

- wgt. 0.06kg

- See page 146 for full specification

Stainless steel  
toggle



## Recessed Overcentre Lock

Polished Stainless Steel

### ATBF894/SS

- Pan: L290 x W120 x D23mm
- Cut-out: L300 x W80 x D21mm
- 6 x ø5mm Fixing holes
- Spring loaded toggle
- Corrosion resistant
- Manufactured entirely from 304G stainless steel
- Not supplied with catch
- wgt. 1.44kg

### Catches to Suit:

**ATBF894/BCSS** Bolt-on / 304G Stainless steel

**ATBF894/BCZP** Bolt-on / Zinc plated

- wgt. 0.09kg

**ATBF894/WCSC** Weld-on / Self colour

- wgt. 0.06kg

- See page 146 for full specification



## Recessed Overcentre Lock

Zinc Plated

### ATBF794B

- Pan: L290 x W120 x D25mm
- Cut-out: L310 x W80 x D23mm
- 6 x ø6mm fixing holes
- Spring loaded handle and loose toggle
- Supplied with self colour weld-on catch plate
- wgt. 1.47kg



### Optional Catches to Suit:

**ATBF894/BCSS** Bolt-on / 304G Stainless steel

**ATBF894/BCZP** Bolt-on / Zinc plated

- wgt. 0.09kg
- See below for full specification

Supplied with  
weld-on catch

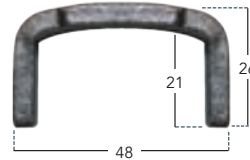


## Overcentre Lock Catch Plate

Self Colour / Weld-on

### ATBF894/WCSC

- 5mm Mild steel
- Compatible with:
  - ATBF746B
  - ATBF794B
  - ATBF894/ZPSS
  - ATBF894/SS
- wgt. 0.06kg



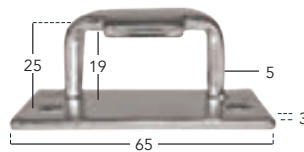
## Overcentre Lock Catch Plate

Stainless Steel & Zinc Plated / Bolt-on

**ATBF894/BCSS** 304G Stainless steel

**ATBF894/BCZP** Zinc plated

- 2 x ø6.5mm Fixing holes
- Compatible with:
  - ATBF746B
  - ATBF794B
  - ATBF894/ZPSS
  - ATBF894/SS
- wgt. 0.09kg



## TEALwash

The robust and easy to clean TEALwash portable sinks are the perfect solution for motor vehicles – for hand washing on the move!

The TEALwash is easy to fill and empty with a large opening lid for a quick top-up with clean water.

Close the bowl after washing and the waste water drains away



**WSH/TEALWASH12** 12v

**WSH/TEALWASH24** 24v

- H440 x W300 x D230mm (360mm when open)
- (180mm clearance required above for lid operation)
- 5 Litre capacity / 20 x 12 second hand washes
- Bowl, tank & lid are double skinned in high impact resistant polyethylene
- Heater only operates when engine is running and battery is fully charged – no drain on power
- Ideal for use inside or outside the vehicle
- Fast heating, 2-3 hot washes in 10 minutes
- 43°C 'Ideal' water temperature
- LED Fault indicator
- Fully opening lid for fast filling, complete with 1 metre x 25mm flexible waste tube
- Conforms to ECE Regulation 10
- EMC Approved
- Supplied with full fitting instructions and fitting template
- 3 Wire connection system allows for fitment to EU2-EU5 & EURO 6 compliant (sensing & non-sensing) vehicles
- 2 Year manufacturers warranty
- wgt. 4.70kg



LED Fault indicator



## Teal Handeman Xtra®

The Handeman Xtra provides a minimum of fifteen 12 second hand washes per filling – enough for a hard day's work, providing hot water with fingertip tap operation.

The Handeman Xtra is fully automatic and only powers up when the battery is fully charged and the engine is running, so there is no drain on the battery



**WSH/HANDEMANXTRA/12** 12v

**WSH/HANDEMANXTRA/24** 24v

- H370 x W310 x D220mm (370mm when open)
- 3.3 Litre capacity / 15 x 12 second hand washes
- Bowl, tank & lid are double skinned in high impact resistant polyethylene
- Unique jet spray, means extremely effective washing
- Simple, effective 'finger-tip' controlled flip tap
- Heater only operates when engine is running and battery is fully charged – no drain on power
- Ideal for use inside or outside the vehicle
- Easy to install
- 43°C 'Ideal' water temperature
- LED Fault indicator
- Conforms to ECE Regulation 10
- EMC Approved
- Supplied with full fitting instructions and fitting template
- 3 Wire connection system allows for fitment to EU2-EU5 & EURO 6 compliant (sensing & non-sensing) vehicles
- 2 Year manufacturers warranty
- wgt. 3.00kg



## Teal Compact Classic

The TEAL Compact Classic hot water hand wash unit is designed to be fitted to motor vehicles, providing a hot water hand wash wherever it's needed. This allows washing under hot running water that is tightly temperature controlled to give a hygienic and comfortable wash.

Ideal for hot trades and food vans, the Compact Classic has a special finish of brushed stainless steel and a polished stainless steel bowl.

The multi-jet spray tap head with finger tip control, ensures an even spread of water and a excellent wash can be achieved in ten seconds using only a cup-full of water. There's no need to mix hot and cold water and no need to fill the bowl



**WSH/COMPACT12** 12v

**WSH/COMPACT24** 24v

- H268 x W290 x D135mm (360mm when open)
- 3.8 Litre capacity / 15 x 10 second hand washes
- Removable brushed stainless steel bowl for easy emptying
- Fully automatic and battery safe
- Corrosion resistant
- 45°C 'Ideal' water temperature
- LED Fault indicator
- 'No water' safety cut-out
- Supplied with mounting kit
- Conforms to ECE Regulation 10 and EC directive 72/245
- 3 Wire connection system allows for fitment to EU2-EU5 & EURO 6 compliant (sensing & non-sensing) vehicles
- 2 Year manufacturers warranty
- wgt. 3.60kg



## EVERBUILD Wonderwipes

For use on Hands, Tools & Surfaces

### SEALWONDERWIPES/100

- Pack size: H245 x ø110mm
- 100 Wipes per pack
- For full specification see page 277
- wgt. 0.57kg



## DEB 'Stoko' Cleanse Washroom Dispenser

4 Litre Capacity

### WSH/HVY4LDREN

- H345 x W180 x D160mm
- 4 Litre capacity
- Soap not included
- Dispenser pump ensures a fixed product dose
- wgt. 1.22kg



## Swarfega Van Cradle System

Three step skin care system to protect, cleanse & sanitise skin

### WSH/SVC01SP

- H260 x W305 x D95mm
- Kit consists of:
  - 1 x dispenser cradle complete with 'easy-push' buttons
  - 1 x 700ml protective cream
  - 1 x 750ml hand cleaner
  - 1 x 750ml skin sanitiser
- wgt. 2.90kg



## Door Hinge – Flat Blade

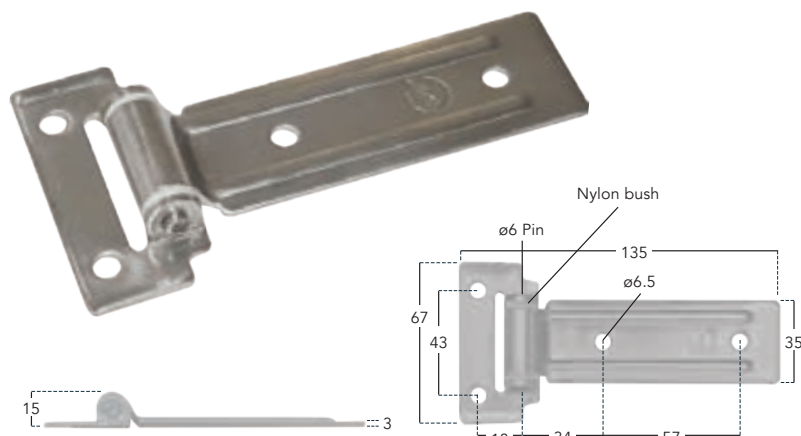
Stainless Steel & Zinc Plated

### HNVN7718/SS

- 304G Polished stainless steel
- Complete with 304G stainless steel pin & nylon bush • wgt. 0.14kg

### HNVN7718/ZP

- Zinc plated
- Complete with 304G stainless steel pin & nylon bush • wgt. 0.14kg



## Door Hinge – Raised Blade

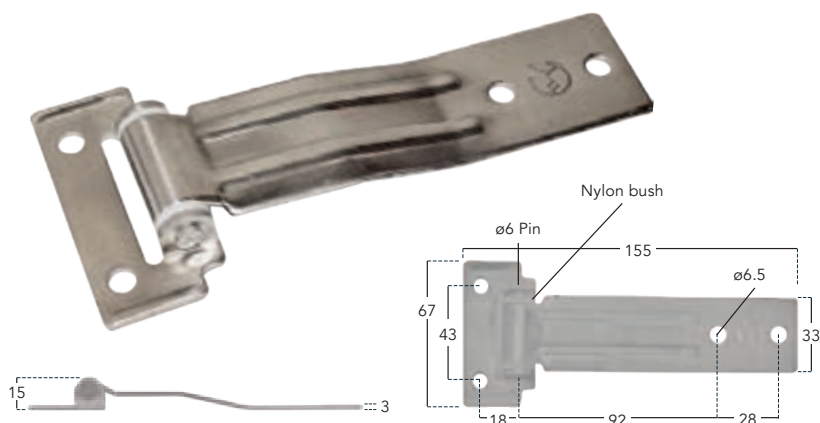
Stainless Steel & Zinc Plated

### HNVN7516/SS

- 304G Polished stainless steel
- Complete with 304G stainless steel pin & nylon bush • wgt. 0.16kg

### HNVN7516/ZP

- Zinc plated
- Complete with 304G stainless steel pin & nylon bush • wgt. 0.16kg



## Door Hinge – Flat Blade

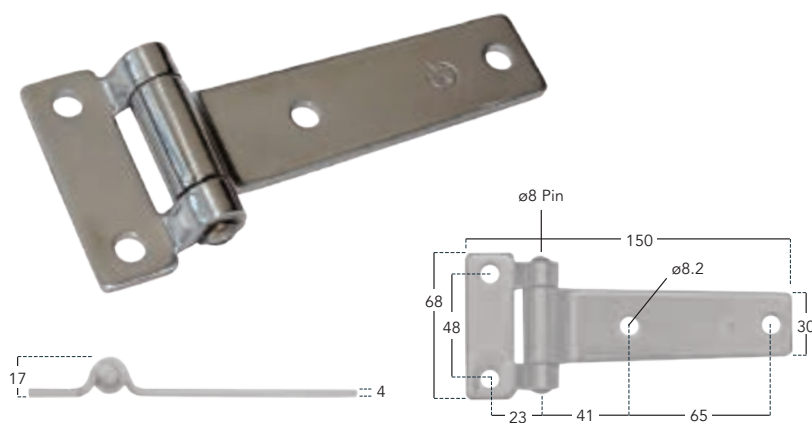
Stainless Steel & Zinc Plated

### HNVN7090/SS

- 304G Polished stainless steel
- Complete with 304G stainless steel pin
- wgt. 0.25kg

### HNVN7090/ZP

- Zinc plated
- Complete with 304G stainless steel pin
- wgt. 0.25kg

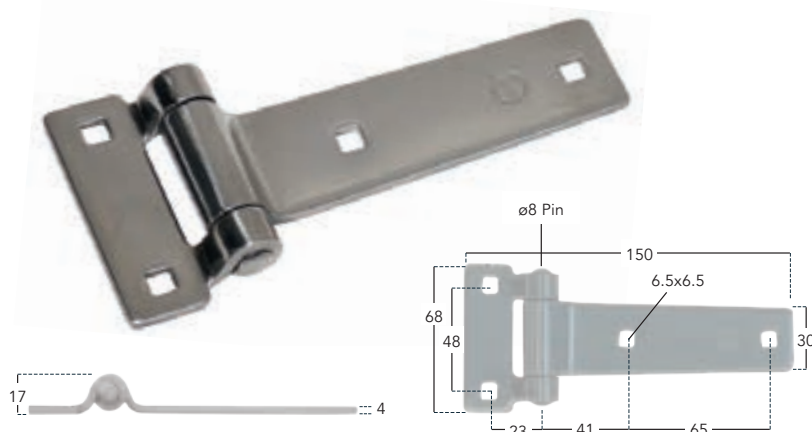


## Door Hinge – Flat Blade

Stainless Steel

### HNVN7090/SQ/SS

- 304G Polished stainless steel
- Complete with 304G stainless steel pin
- 4 x 6.5mm Square holes
- wgt. 0.25kg



## Door Hinge – Raised Blade

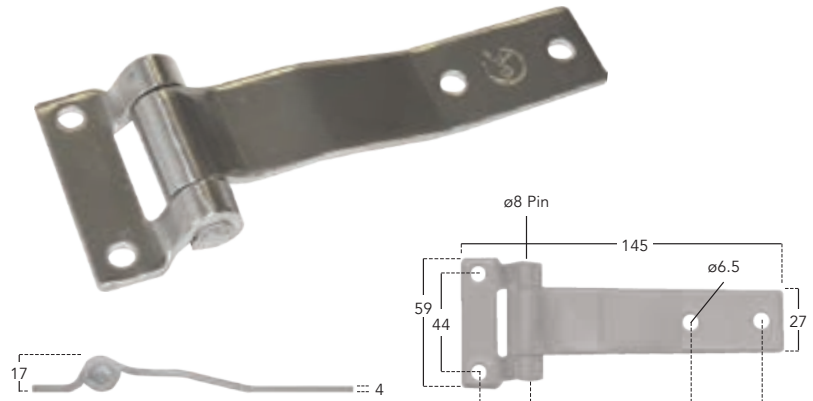
Stainless Steel & Zinc Plated

### HNVN7110/SS

- 304G Polished stainless steel
- Complete with 304G stainless steel pin
- wgt. 0.20kg

### HNVN7110/ZP

- Zinc plated
- Complete with 304G stainless steel pin
- wgt. 0.20kg

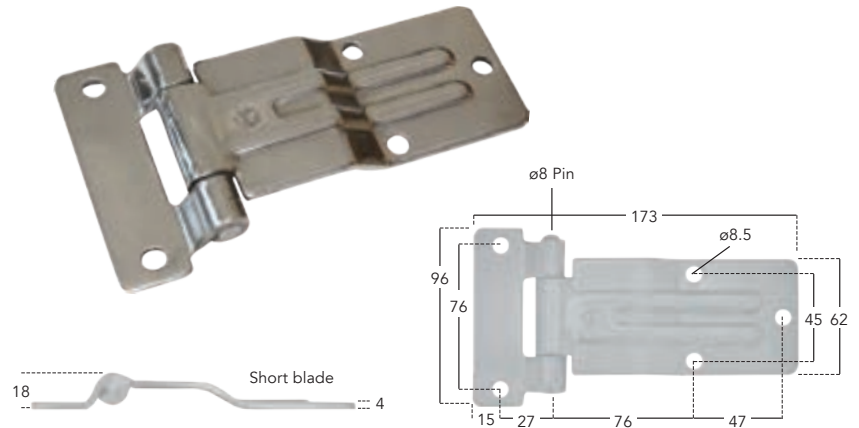


## Door Hinge – Raised Blade

Stainless Steel

### HNVN7355/SS

- 304G Polished stainless steel
- Complete with 304G stainless steel pin
- wgt. 0.34kg



## Door Hinge – Raised Blade

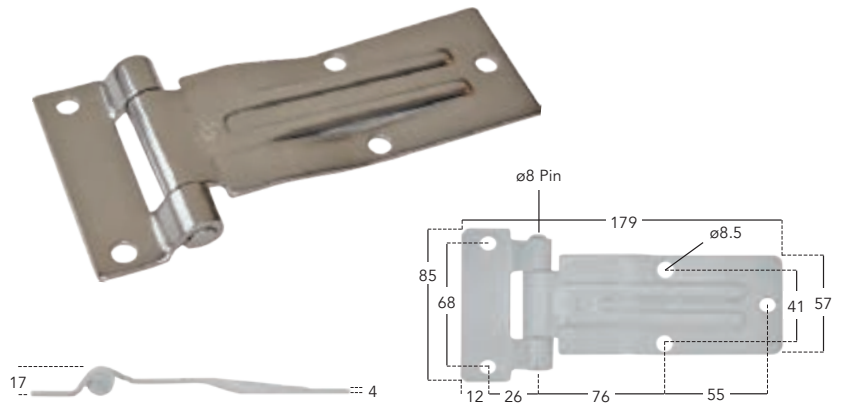
Stainless Steel & Zinc Plated

### HNVN7930/SS

- 304G Polished stainless steel
- Complete with 304G stainless steel pin
- wgt. 0.42kg

### HNVN7930/ZP

- Zinc plated
- Complete with 304G stainless steel pin
- wgt. 0.42kg



## Door Hinge – Flat Blade

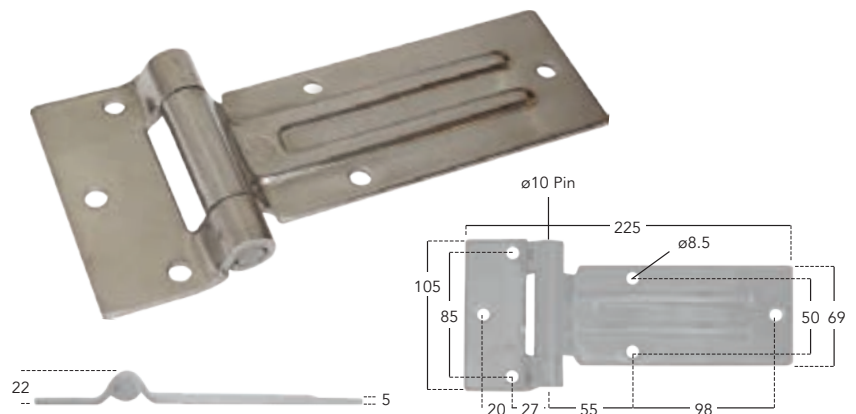
Stainless Steel & Zinc Plated

### HNVN7920/SS

- 304G Polished stainless steel
- Complete with 304G stainless steel pin
- wgt. 0.77kg

### HNVN7920/ZP

- Zinc plated
- Complete with 304G stainless steel pin
- wgt. 0.77kg

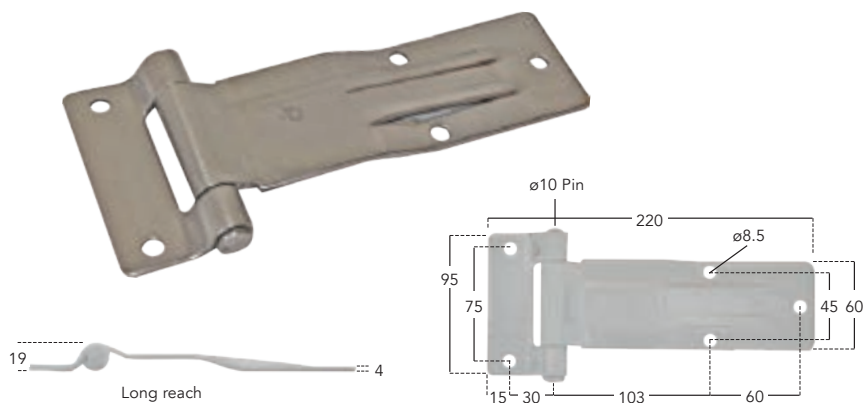


### Door Hinge – Raised Blade

Stainless Steel

**HNVN7417/SS**

- ‘Long reach’ designed to clear refrigeration door seal
- 304G Polished stainless steel
- Complete with 304G stainless steel pin
- wgt. 0.70kg

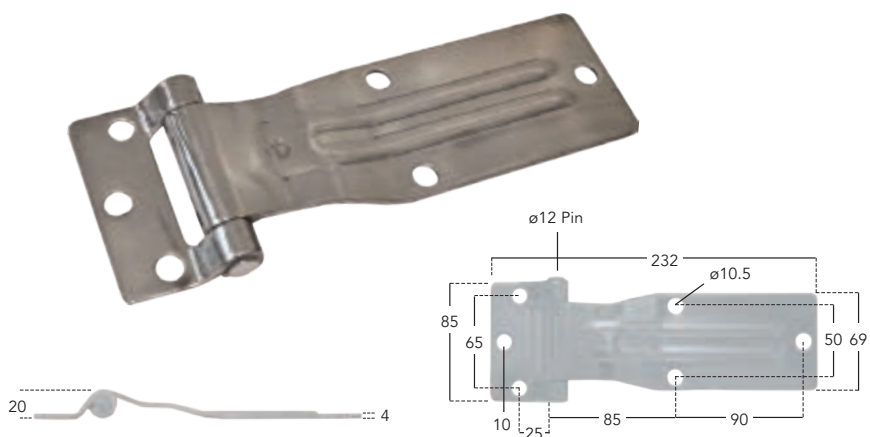


### Door Hinge – Raised Blade

Stainless Steel

**HNVN7966/SS**

- 304G Polished stainless steel
- Complete with 304G stainless steel pin
- wgt. 0.54kg

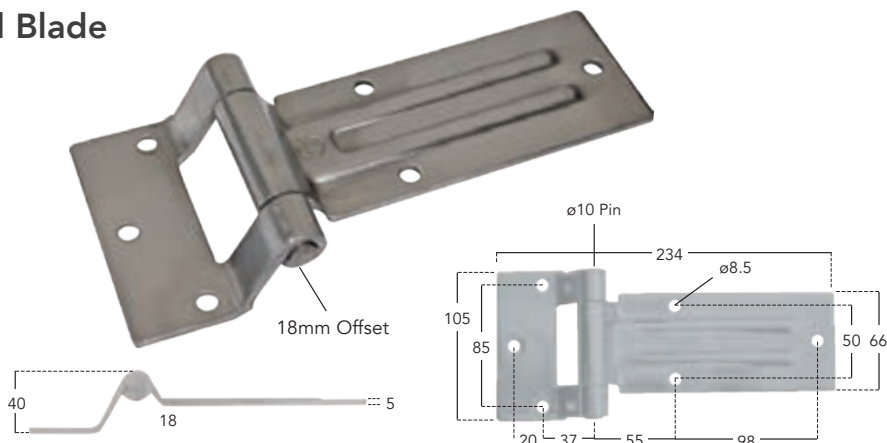


### Door Hinge – Off-Set / Raised Blade

Stainless Steel

**HNVN7920/18SS**

- 304G Polished stainless steel
- Complete with 304G stainless steel pin
- wgt. 0.80kg



### Door Hinge – Raised Blade

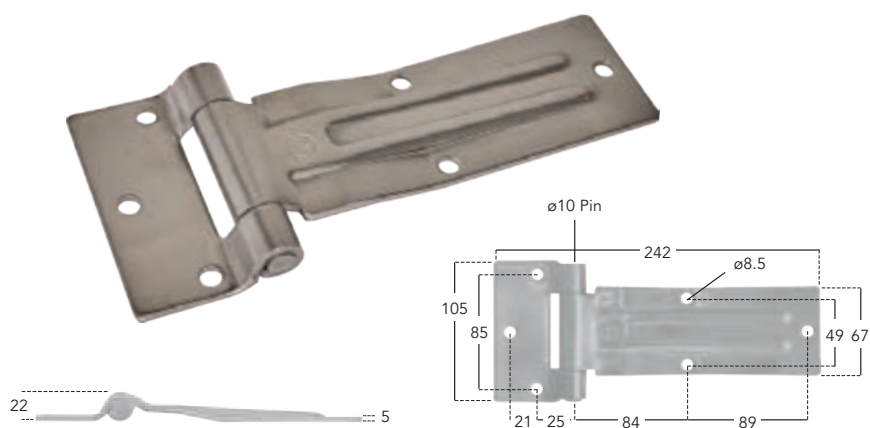
Stainless Steel & Zinc Plated

**HNVN7314/SS**

- 304G Polished stainless steel
- Complete with 304G stainless steel pin
- wgt. 0.88kg

**HNVN7314/ZP**

- Zinc plated
- Complete with 304G stainless steel pin
- wgt. 0.88kg



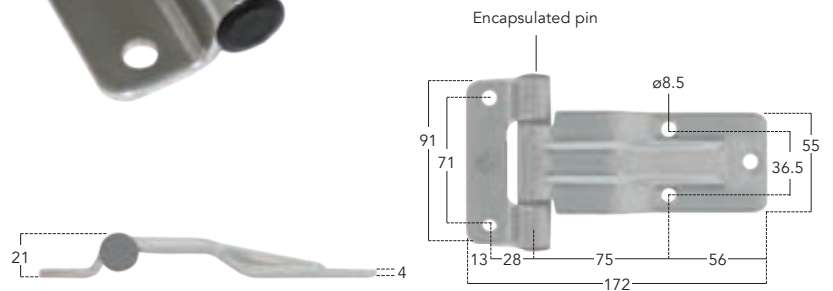
## TAMBRE Series – Short Blade

Stainless Steel



**MRF401410202**

- L172 x W55mm
- 5 x ø8.5mm Fixing holes
- Black nylon bushes
- Encapsulated 304G stainless steel pin
- 304G Polished stainless steel
- wgt. 0.43kg



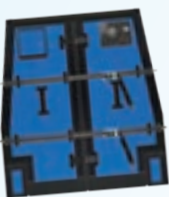
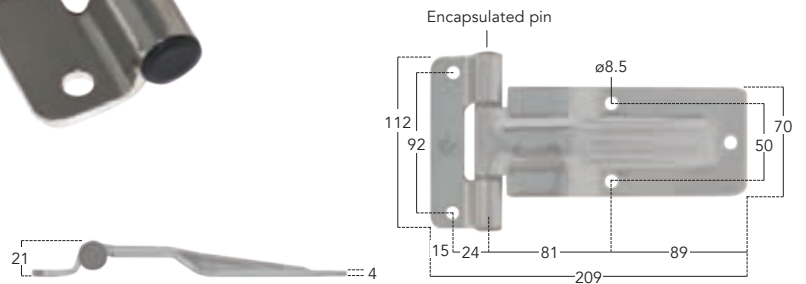
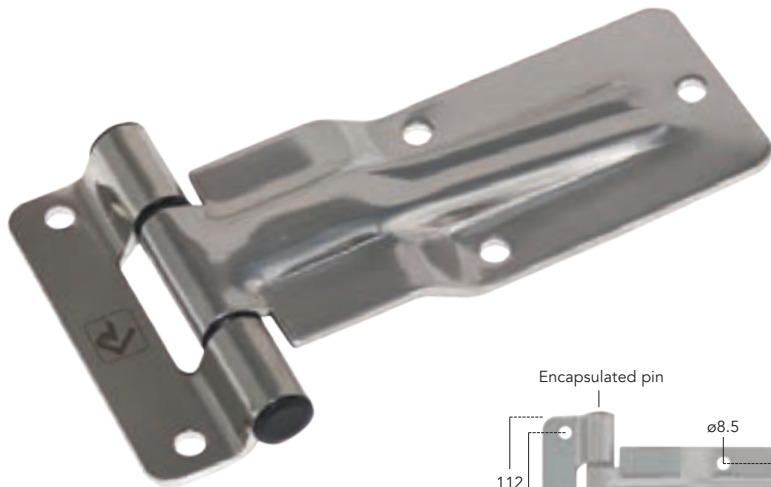
## TAMBRE Series – Long Blade

Stainless Steel

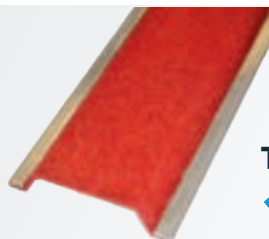


**MRF401400202**

- L209 x W70mm
- 5 x ø8.5mm Fixing holes
- Black nylon bushes
- Encapsulated 304G stainless steel pin
- 304G Polished stainless steel
- wgt. 0.64kg



**INSULATED  
BULKHEADS**  
**44-47**



**TIE RAIL**  
**193**



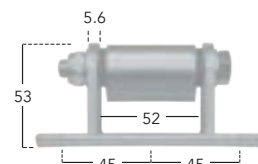
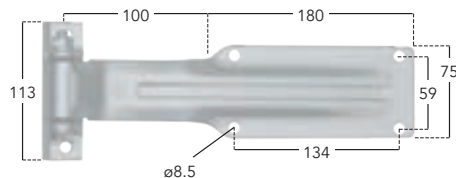
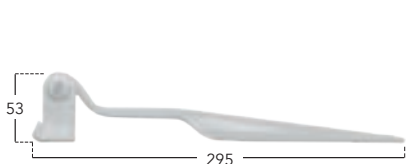
**ROLLER  
BUFFERS**  
**36-37**

## 52mm SERIES Hinge Set Complete

Zinc Plated

**HNVN52280/HSZP**

- Zinc plated
- 4 x  $\varnothing 8.5$ mm Fixing holes in hinge & 3 x  $\varnothing 8.5$ mm fixing holes in bracket
- Complete with nylon bushes
- Each set comprises of:
  - 1 x hinge blade
  - 1 x bracket
  - 1 x nut, bolt & 2 x washers
- wgt. 0.90kg

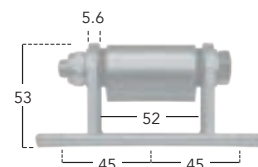
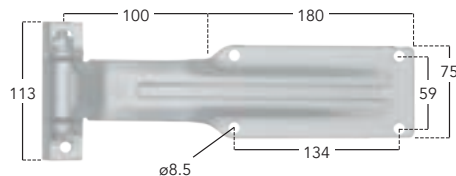
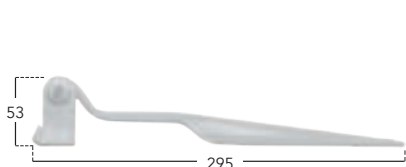


## 52mm SERIES Hinge Set Complete

Stainless Steel

**HNVN52280/HSSS**

- 304G Stainless steel
- 4 x  $\varnothing 8.5$ mm Fixing holes in hinge & 3 x  $\varnothing 8.5$ mm fixing holes in bracket
- Complete with nylon bushes
- Each set comprises of:
  - 1 x hinge blade
  - 1 x bracket
  - 1 x nut, bolt & 2 x washers
- wgt. 0.90kg

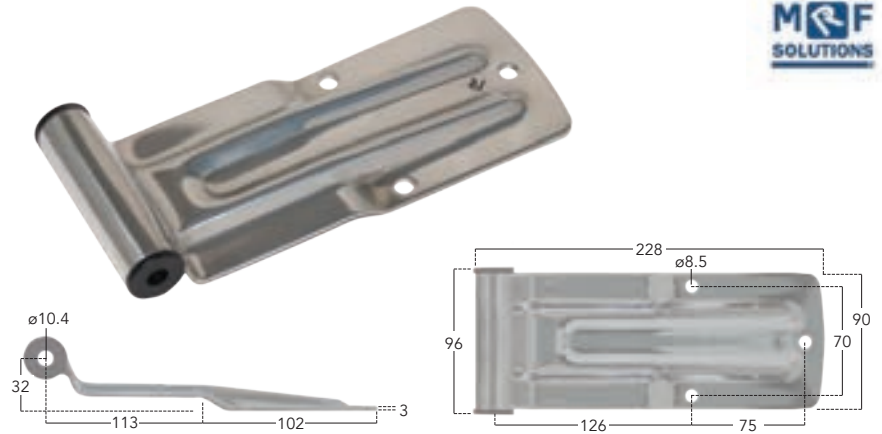


## TAMEGA Series – Short Blade

Stainless Steel

**MRF205010232**

- L228 x W96mm
- 3 x  $\varnothing 8.5$ mm Fixing holes
- Black nylon bushes
- 304G Polished stainless steel
- wgt. 0.62kg

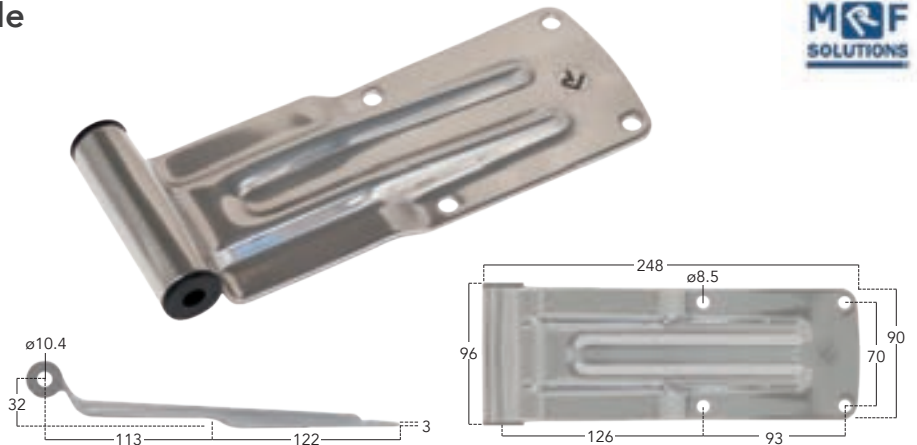


## TAMEGA Series – Long Blade

Stainless Steel

**MRF205010253**

- L248 x W96mm
- 4 x  $\varnothing 8.5$ mm Fixing holes
- Black nylon bushes
- 304G Polished stainless steel
- wgt. 0.66kg

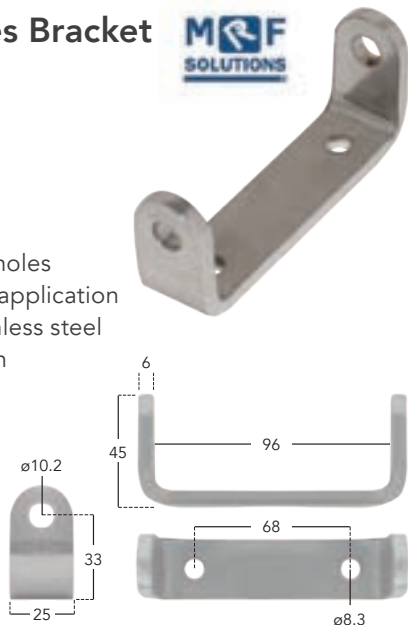


## TAMEGA Series Bracket Standard Base

Stainless Steel

**MRF205020277**

- 25mm Base width
- 2 x  $\varnothing 8.3$ mm Fixing holes
- Bolt-on or weld-on application
- 304G Polished stainless steel
- Suitable for use with  
**MRF205010232** &  
**MRF205010253**  
hinge blades
- wgt. 0.18kg

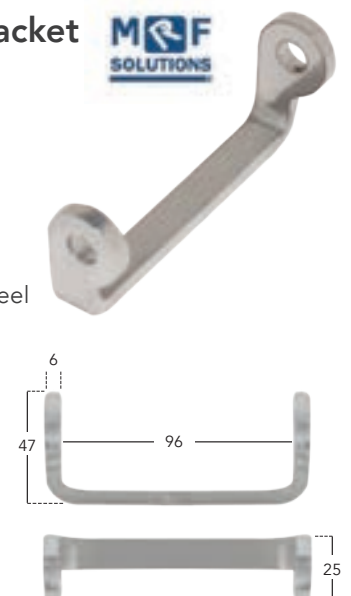


## TAMEGA Series Bracket Narrow Base

Stainless Steel

**MRF205020276**

- 12.5mm Base width
- Weld-on application
- 304G Polished stainless steel
- Suitable for use with  
**MRF205010232** &  
**MRF205010253**  
hinge blades
- wgt. 0.11kg



## TAMEGA Series Bolt & Nyloc Nut

Stainless Steel

**MRF302070208**

- L120 x  $\varnothing 10$ mm
- 304G Polished stainless steel
- Suitable for use with **MRF205020277** & **MRF205020276** hinge brackets
- wgt. 0.09kg

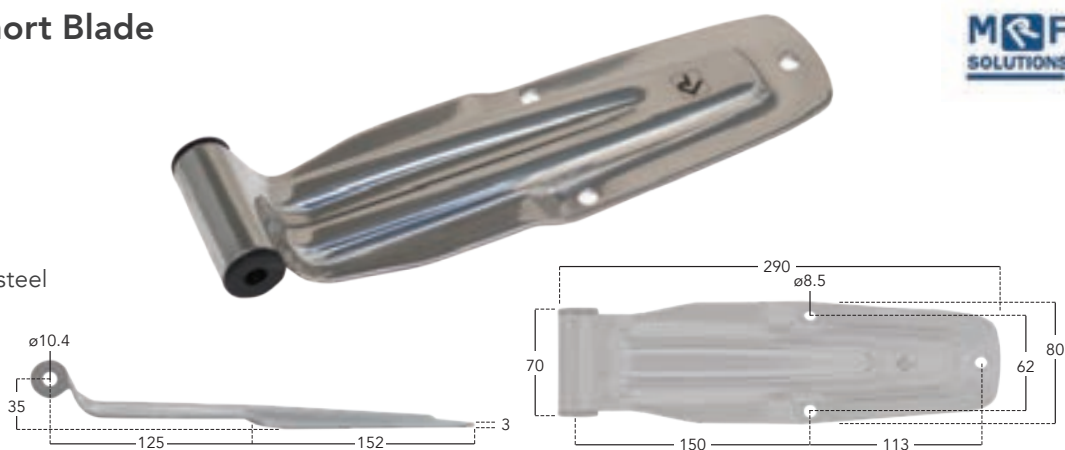


## LONIA Series – Short Blade

Stainless Steel

**MRF205010267**

- L290 x W70mm
- 3 x  $\varnothing 8.5$ mm Fixing holes
- Black nylon bushes
- 304G Polished stainless steel
- wgt. 0.64kg

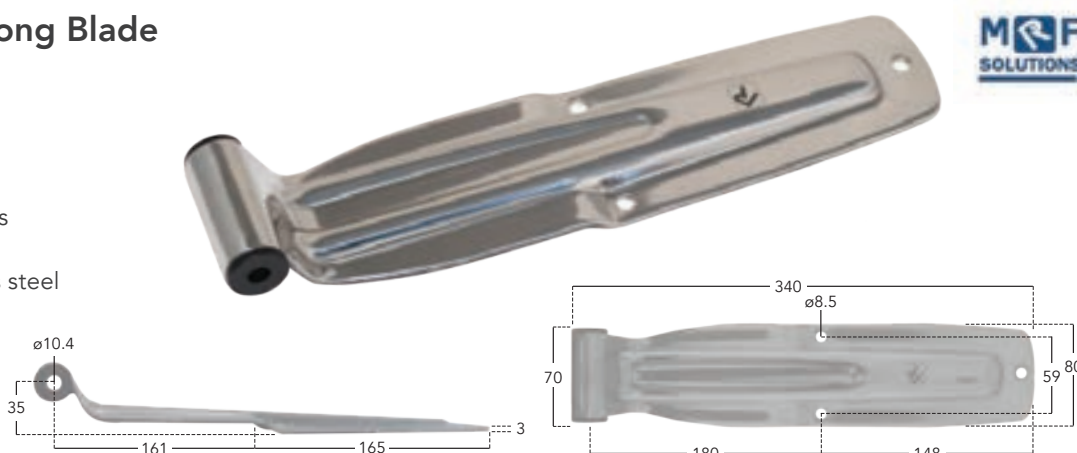


## LONIA Series – Long Blade

Stainless Steel

**MRF205010269**

- L340 x W70mm
- 3 x  $\varnothing 8.5$ mm Fixing holes
- Black nylon bushes
- 304G Polished stainless steel
- wgt. 0.91kg

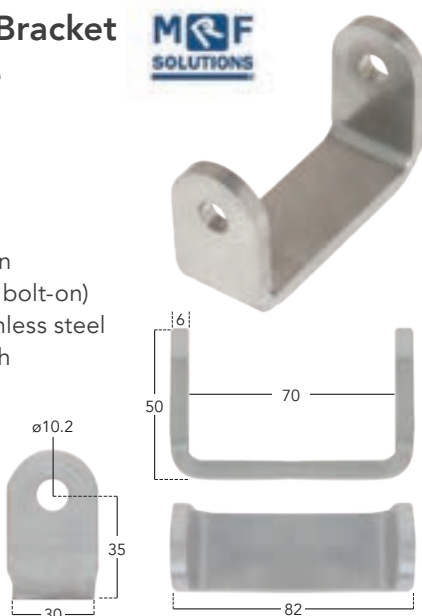


## LONIA Series Bracket Standard Base

Stainless Steel

**MRF205020212**

- 30mm Base width
- Weld-on application  
(can be adapted to bolt-on)
- 304G Polished stainless steel
- Suitable for use with  
**MRF205010267** &  
**MRF205010269**  
hinge blades
- wgt. 0.21kg

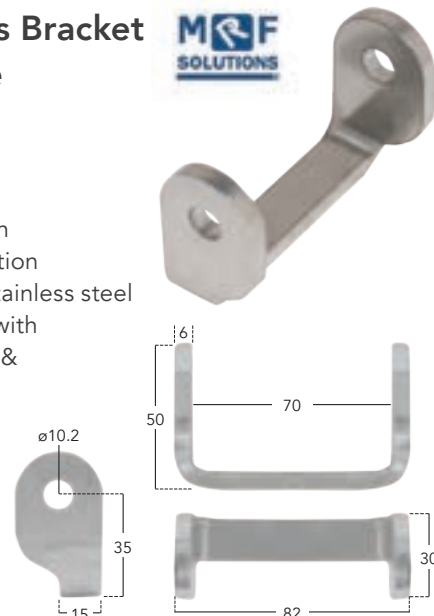


## LONIA Series Bracket Narrow Base

Stainless Steel

**MRF205020213**

- 15mm Base width
- Weld-on application
- 304G Polished stainless steel
- Suitable for use with  
**MRF205010267** &  
**MRF205010269**  
hinge blades
- wgt. 0.12kg



## LONIA Series Bolt & Nyloc Nut

Stainless Steel

**MRF302070202**

- L95 x  $\varnothing 10$ mm
- 304G Polished stainless steel
- Suitable for use with **MRF205020212** & **MRF205020213** hinge brackets
- wgt. 0.07kg



## 63mm SERIES Hinge Set Complete

Galvanized

**HNVN63300/HSGV**

- 304G Stainless steel nut & bolt
- Each set comprises of:
  - HNVN63300/HBGV**
  - HNVN63300/BBGV**
  - HNVN63300/NBSS**
- Component parts can be purchased individually, as shown below
- wgt. 1.25kg

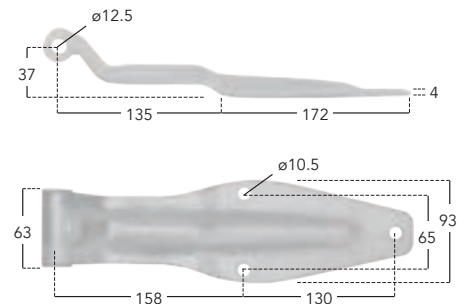


## 63mm SERIES Hinge Blade

Galvanized

**HNVN63300/HBGV**

- Nylon bushed
- Replacement bush to suit:
  - HNVN74310/BUSH**
- wgt. 0.80kg

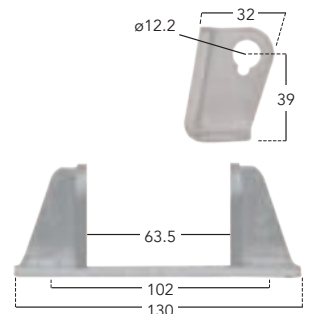


## 63mm SERIES Pressed Bracket

Galvanized

**HNVN63300/BBGV**

- 2 x  $\phi 10.2$ mm Fixing holes
- wgt. 0.34kg

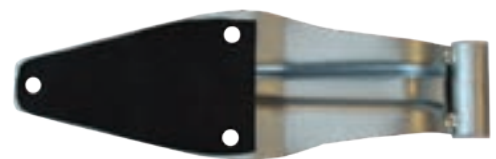


## Gasket Set

Recommended in all Applications

**HNVN64295/GAS10**

- 10 Per set
- 1mm Natural rubber
- Provides a barrier between the hinge base and door panel
- Anti-corrosion advantages
- Suits all **HNVN63300** & **HNVN64295** hinges
- wgt. 0.18kg



## Bolt & Nyloc Nut

Stainless Steel

**HNVN63300/NBSS**

- L90mm x M12
- 304G Stainless steel
- wgt. 0.11kg



## Pin & Circlip

Stainless Steel

**HNVN64295/PCSS**

- L88 x  $\phi 12$ mm
- 304G Stainless steel
- wgt. 0.10kg



## 64mm SERIES Hinge Set Complete

Zinc Plated

### HNVN64295/HSZP

- Each set comprises of:  
HNVN64295/HBZP  
HNVN64295/BBZP  
HNVN64295/NBZP
- Zinc plated nut & bolt
- wgt. 1.23kg

### HNVN64295/HSSZP

- Each set comprises of:  
HNVN64295/HBZP  
HNVN64295/BBZP  
HNVN64295/NBSS
- 304G Stainless steel nut & bolt
- wgt. 1.23kg

- Component parts can be purchased individually

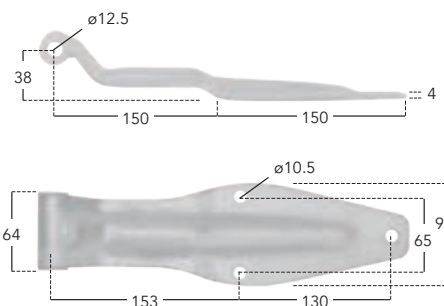


## 64mm SERIES Hinge Blade

Zinc Plated

### HNVN64295/HBZP

- Nylon bushed
- Replacement bush to suit:  
HNVN74310/BUSH
- wgt. 0.78kg

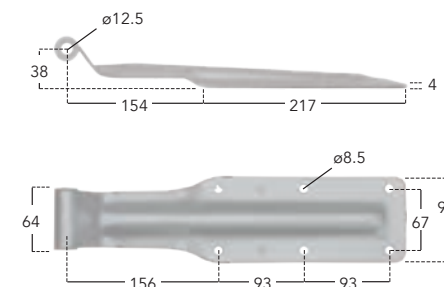


## 64mm SERIES Hinge Blade

Zinc Plated

### HNVN64360/HBZP

- Nylon bushed
- Replacement bush to suit:  
HNVN74310/BUSH
- wgt. 1.10kg

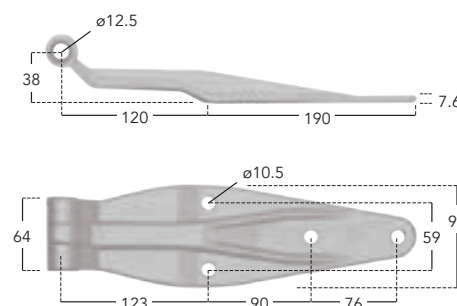


## 64mm SERIES Hinge Blade

Zinc Plated

### HNVN64310/HBCZP

- Nylon bushed
- Heavy-duty forged steel
- wgt. 1.70kg



## Gasket Set

Recommended in all Applications

### HNVN64295/GAS10

- 10 Per set • 1mm Natural rubber
- Provides a barrier between the hinge base and door panel
- Anti-corrosion advantages
- Suits all **HNVN63300** & **HNVN64295** hinges
- wgt. 0.18kg

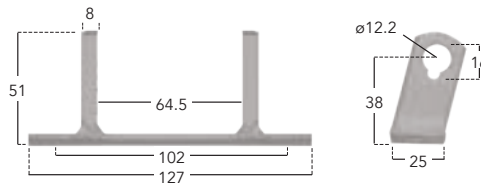


## 64mm SERIES Welded Bracket – Angled Posts

Zinc Plated

HNVN64295/BBAZP

- 2 x  $\varnothing 8.3$ mm Fixing holes
- wgt. 0.25kg

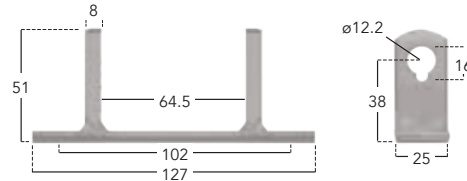


## 64mm SERIES Welded Bracket – Upright Posts

Zinc Plated

HNVN64295/BBUZP

- 2 x  $\varnothing 8.3$ mm Fixing holes
- wgt. 0.25kg

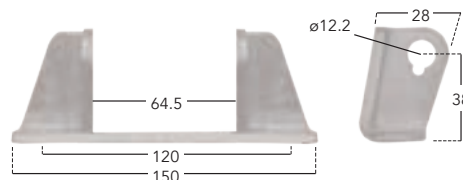


## 64mm SERIES Pressed Bracket

Zinc Plated

HNVN64295/BBZP

- 2 x  $\varnothing 8.3$ mm Fixing holes
- wgt. 0.34kg

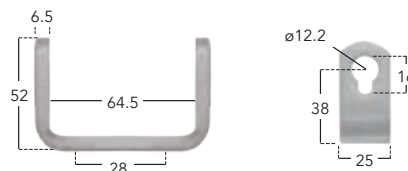


## 64mm SERIES Bolt-on 'U' Bracket

Zinc Plated

HNVN64295/UBZP

- 2 x  $\varnothing 10.5$ mm Fixing holes
- wgt. 0.16kg

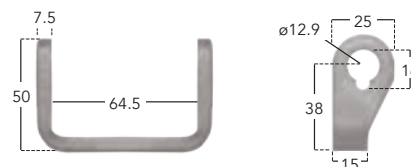


## 64mm SERIES Weld-on 'U' Bracket – Narrow Base

Self Colour

HNVN64295/UB15

- Weld-on
- wgt. 0.14kg



## Bolt & Nyloc Nut

Zinc Plated

HNVN64295/NBZP

- L90mm x M12
- Zinc plated
- wgt. 0.11kg



### IMPORTANT

Zinc plating is only classed as a 'sacrificial' coating (gives itself up to the corrosive media). A protective barrier (i.e. paint) is recommended to protect against moisture.

**CBF cannot be held responsible for the effects of corrosion on zinc plated parts**

## 64mm SERIES Hinge Set Complete

Stainless Steel

**HNVN64295/HSSS**

- 304G Stainless steel
- Each set comprises of:
  - HNVN64295/HBSS**
  - HNVN64295/BBSS**
  - HNVN64295/NBSS**
- Gasket set to suit: **HNVN64295/GAS10**, see page 159 for more information
- Component parts can be purchased individually, as shown below
- wgt. 1.16kg

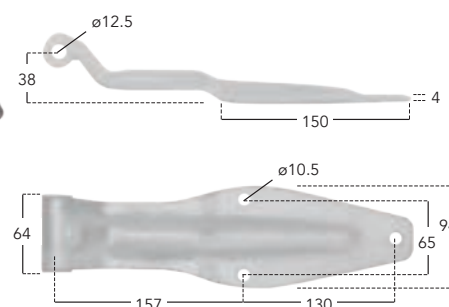


## 64mm SERIES Hinge Blade

Stainless Steel

**HNVN64295/HBSS**

- 304G Stainless steel
- Nylon bushed
- Gasket to suit – **HNVN64295/GAS10**, see page 159 for more information
- wgt. 0.78kg

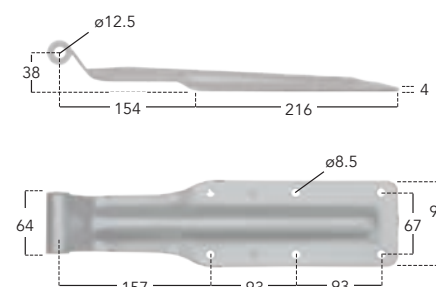


## 64mm SERIES Hinge Blade

Stainless Steel

**HNVN64360/HBSS**

- 304G Stainless steel
- Nylon bushed
- wgt. 1.10kg

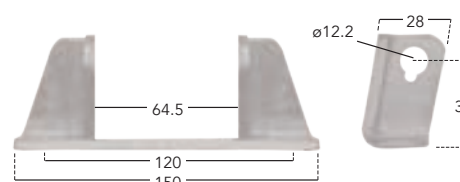


## 64mm SERIES Pressed Bracket

Stainless Steel

**HNVN64295/BBSS**

- 304G Stainless steel
- 2 x  $\phi 8.3$ mm Fixing holes
- wgt. 0.34kg



## Bolt & Nyloc Nut

Stainless Steel

**HNVN64295/NBSS**

- 304G Stainless steel
- L90mm x M12
- wgt. 0.12kg



## Pin & Circlip

Stainless Steel

**HNVN64295/PCSS**

- 304G Stainless steel
- L88 x  $\phi 12$ mm
- wgt. 0.10kg



## 74mm SERIES Hinge Set Complete

Zinc Plated

**HNVN74310/HSZP**

- Each set comprises of:  
**HNVN74310/HBZP**  
**HNVN74310/BBZP**  
**HNVN74310/NBZP**
- Gasket set to suit: **HNVN74310/GAS10**,  
 see page 163 for more information
- Component parts can be purchased individually,  
 as shown below
- wgt. 1.21kg

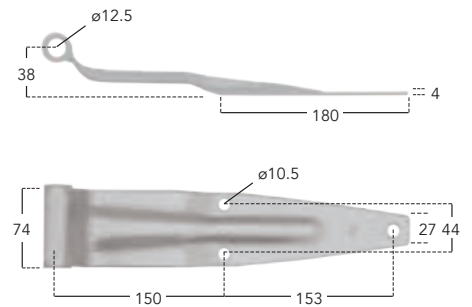


## 74mm SERIES Hinge Blade

Zinc Plated

**HNVN74310/HBZP**

- Nylon bushed
- Gasket to suit – **HNVN74310/GAS10**,  
 see page 163 for more information
- wgt. 0.87kg

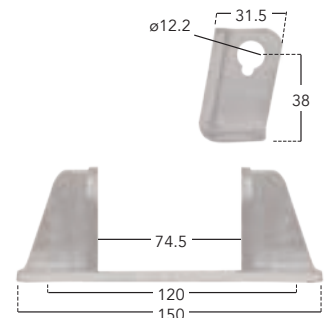


## 74mm SERIES Pressed Bracket

Zinc Plated

**HNVN74310/BBZP**

- 2 x  $\varnothing 8.3$ mm Fixing holes
- wgt. 0.23kg

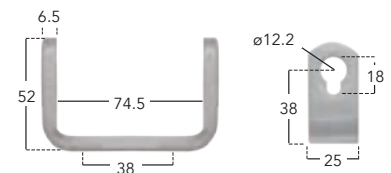


## 74mm SERIES Bolt-on 'U' Bracket

Zinc Plated

**HNVN74310/UBZP**

- 2 x  $\varnothing 10.5$ mm Fixing holes
- wgt. 0.17kg



## Bolt & Nyloc Nut

Zinc Plated

**HNVN74310/NBZP**

- L107mm x M12
- wgt. 0.12kg



## Replacement Bush

White Plastic

**HNVN74310/BUSH**

- Suits all **HNVN63300**, **HNVN64295**,  
**HNVN64360** & **HNVN74310** hinges
- Supplied singly • wgt. 0.001kg



## 74mm SERIES Hinge Set Complete

Stainless Steel

### HNVN74310/HSSS

- 304G Stainless steel
- Each set comprises of:
  - HNVN74310/HBSS
  - HNVN74310/BBSS
  - HNVN74310/NBSS
- Gasket set to suit: **HNVN74310/GAS10**, see below for more information
- Component parts can be purchased individually, as shown below
- wgt. 1.21kg

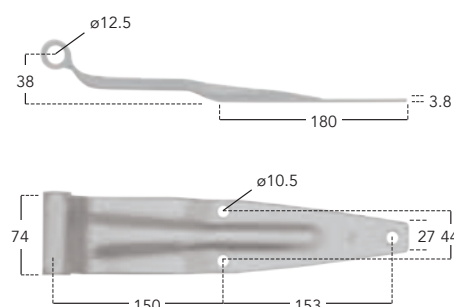


## 74mm SERIES Hinge Blade

Stainless Steel

### HNVN74310/HBSS

- 304G Stainless steel
- Nylon bushed
- Gasket to suit – **HNVN74310/GAS10**, see below for more information
- wgt. 0.87kg

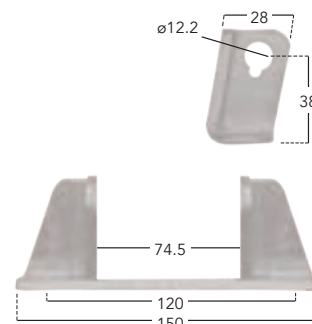


## 74mm SERIES Pressed Bracket

Stainless Steel

### HNVN74310/BBSS

- 304G Stainless steel
- 2 x  $\phi 8.3$ mm Fixing holes
- wgt. 0.22kg



## Gasket Set

Recommended in all Applications

### HNVN74310/GAS10

- 10 Per set
- 1mm Natural rubber
- Provides a barrier between the hinge base and door panel
- Anti-corrosion advantages
- Suits all **HNVN74310** hinges
- wgt. 0.18kg



## Bolt & Nyloc Nut

Stainless Steel

### HNVN74310/NBSS

- 304G Stainless steel
- L107mm x M12
- wgt. 0.12kg



## Replacement Bush

White Plastic

### HNVN74310/BUSH

- Suits all **HNVN63300**, **HNVN64295**, **HNVN64360** & **HNVN74310** hinges
- Supplied singly • wgt. 0.001kg



## Locker / Compartment Hinge

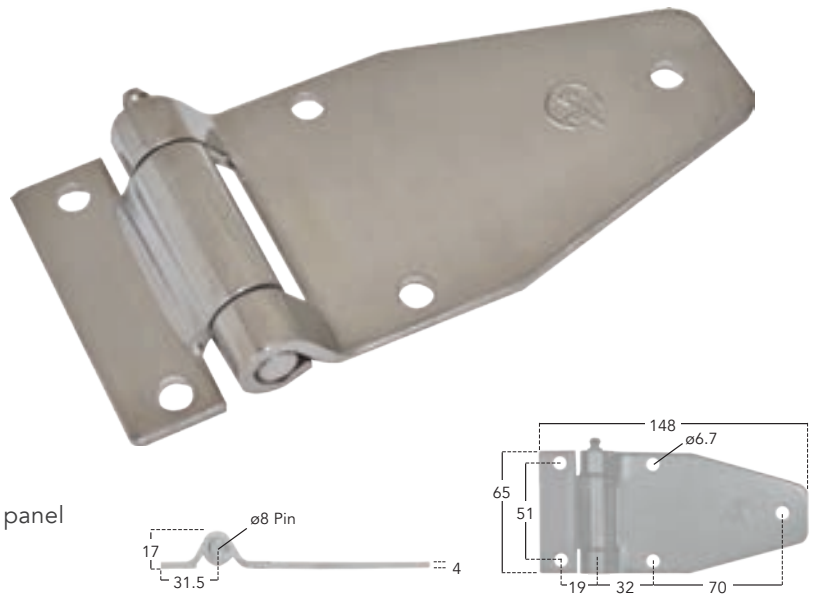
Stainless Steel & Zinc Plated

### HNVN460/SS

- 304G Polished stainless steel
- wgt. 0.34kg

### HNVN460/ZP

- Zinc plated
- wgt. 0.34kg
- All locker hinges are supplied with a 304G stainless steel pin
- Complete with grease nipple
- Supplied with gasket set – 1mm natural rubber, provides a barrier between hinge base and door panel



## Locker / Compartment Hinge

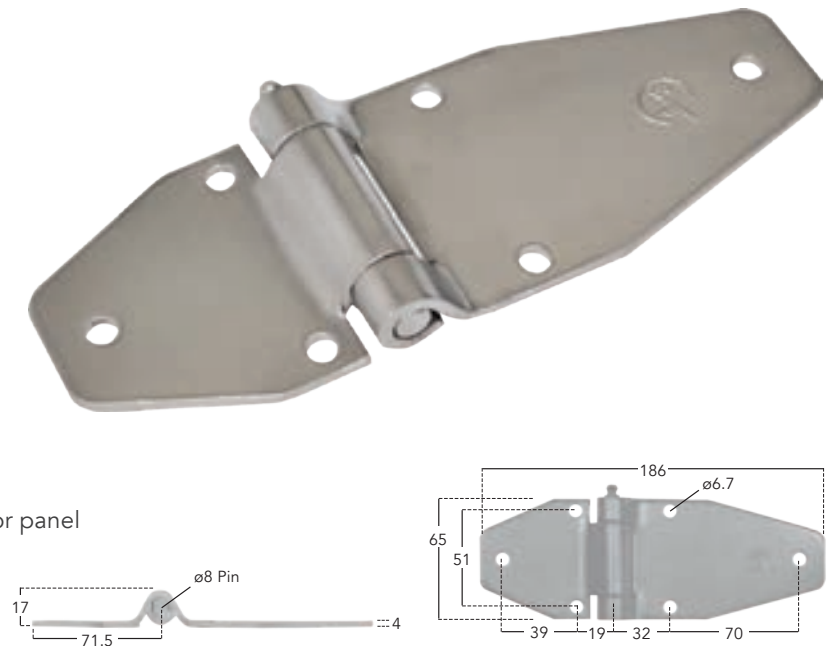
Stainless Steel & Zinc Plated

### HNVN461/SS

- 304G Polished stainless steel
- wgt. 0.38kg

### HNVN461/ZP

- Zinc plated
- wgt. 0.38kg
- All locker hinges are supplied with a 304G stainless steel pin
- Complete with grease nipple
- Supplied with gasket set – 1mm natural rubber, provides a barrier between hinge base and door panel



## Locker / Compartment Hinge

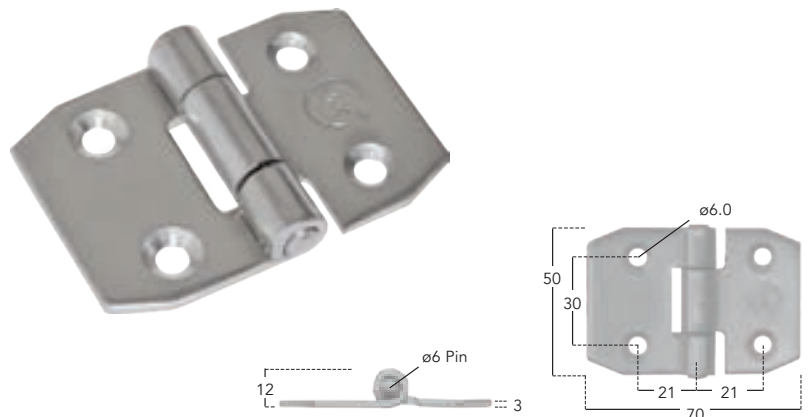
Stainless Steel & Zinc Plated

### HNVN5068/SS

- 304G Polished stainless steel
- wgt. 0.11kg

### HNVN5068/ZP

- Zinc plated
- wgt. 0.11kg
- All locker hinges are supplied with a 304G stainless steel pin



### Locker / Compartment Hinge

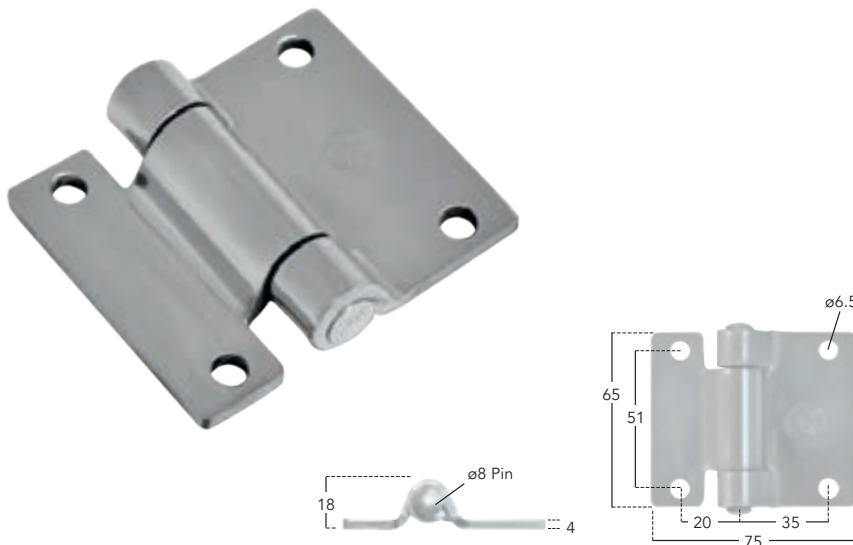
Stainless Steel & Zinc Plated

#### HNVN7565/SS

- 304G Polished stainless steel
- wgt. 0.21kg

#### HNVN7565/ZP

- Zinc plated
- wgt. 0.21kg
- All locker hinges are supplied with a 304G stainless steel pin

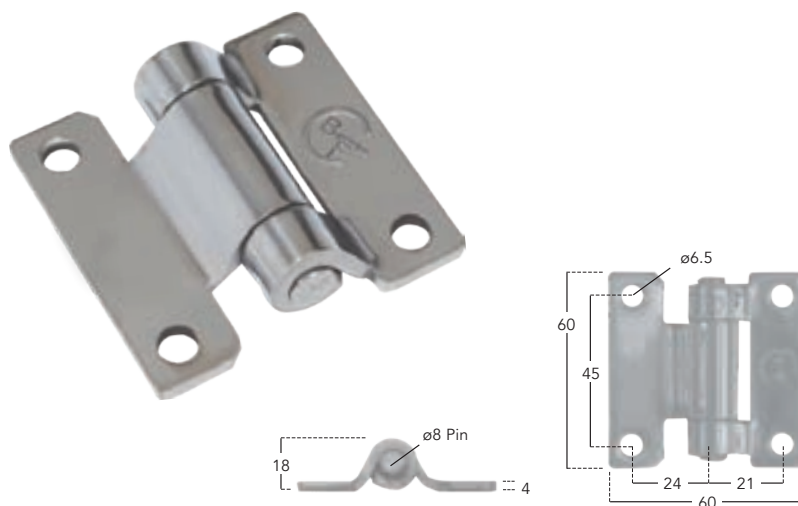


### Locker / Compartment Hinge


Stainless Steel

#### HNVN4025/SS

- 304G Polished stainless steel
- All locker hinges are supplied with a 304G stainless steel pin
- wgt. 0.15kg




**TOWING COUPLINGS**  
**321-322**



**BOLTS**  
**22-28**



**RETAINERS**  
**225-236**



**UNDERBODY ACCESS STEPS**  
**296-304**



**BUFFERS & FENDERS**  
**29-37**



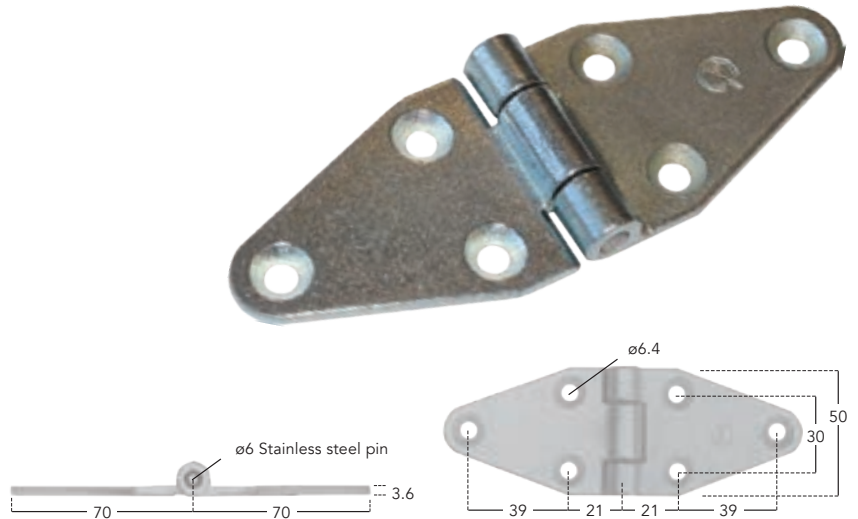
**LASHING RINGS**  
**179-187**

## Maintenance-Free Locker / Compartment Hinge

Zinc Plated

### HNVN2939/064ZP

- 3.6mm Cast steel
- 6 x  $\varnothing 6.4$ mm Countersunk fixing holes
- Bronze bushing – smooth operation
- Stainless steel pin – no lubrication required
- Robust & durable design
- wgt. 0.16kg



## Maintenance-Free Locker / Compartment Hinge

Black Painted

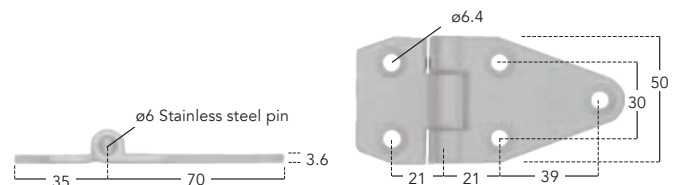
### HNVN2939/066BLK

- 3.6mm Cast steel
- 5 x  $\varnothing 6.4$ mm Countersunk fixing holes
- Bronze bushing – smooth operation
- Stainless steel pin – no lubrication required
- Robust & durable design
- wgt. 0.15kg



### HNVN2939/066GAS

- Gasket set to suit
- 1mm Natural rubber
- Anti-corrosion advantages

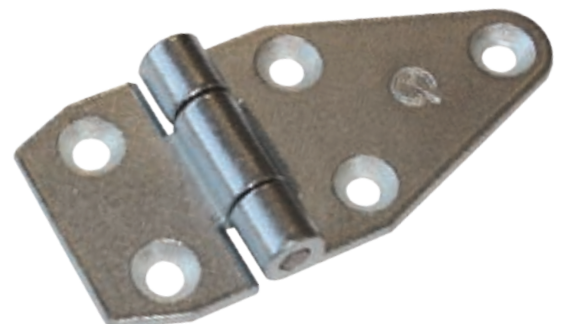


## Maintenance-Free Locker / Compartment Hinge

Zinc Plated

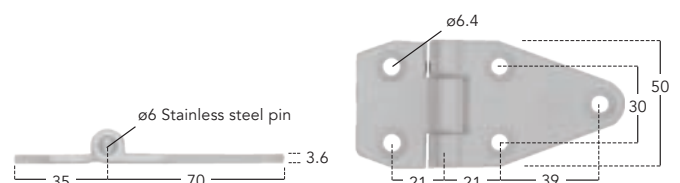
### HNVN2939/066ZP

- 3.6mm Cast steel
- 5 x  $\varnothing 6.4$ mm Countersunk fixing holes
- Bronze bushing – smooth operation
- Stainless steel pin – no lubrication required
- Robust & durable design
- wgt. 0.15kg



### HNVN2939/066GAS

- Gasket set to suit
- 1mm Natural rubber
- Anti-corrosion advantages

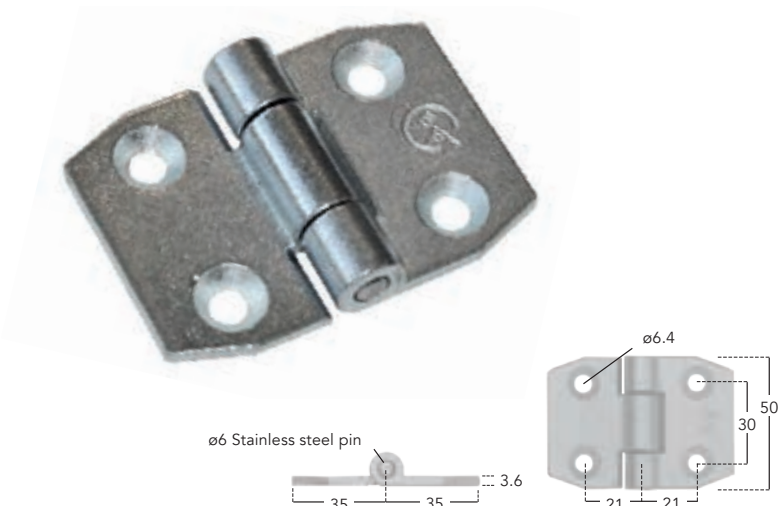


## Maintenance-Free Locker / Compartment Hinge

Zinc Plated

**HNVN2939/068ZP**

- 3.6mm Cast steel
- 4 x  $\varnothing 6.4$ mm Countersunk fixing holes
- Bronze bushing – smooth operation
- Stainless steel pin – no lubrication required
- Robust & durable design
- wgt. 0.14kg

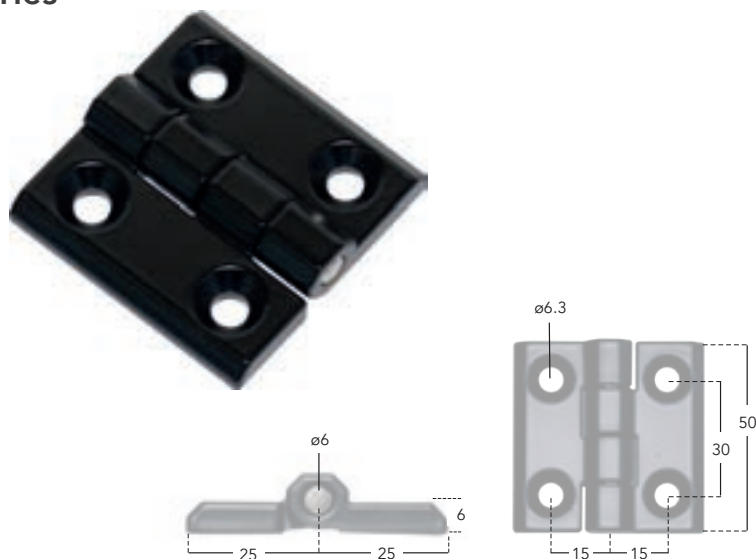


## Locker / Compartment Hinge – HP Series

Black Painted

**HNVN226/50BLK**

- 6mm Die-Cast alloy
- 4 x  $\varnothing 6.3$ mm Countersunk fixing holes
- $\varnothing 6$ mm Zinc plated steel pin
- Robust design
- wgt. 0.09kg

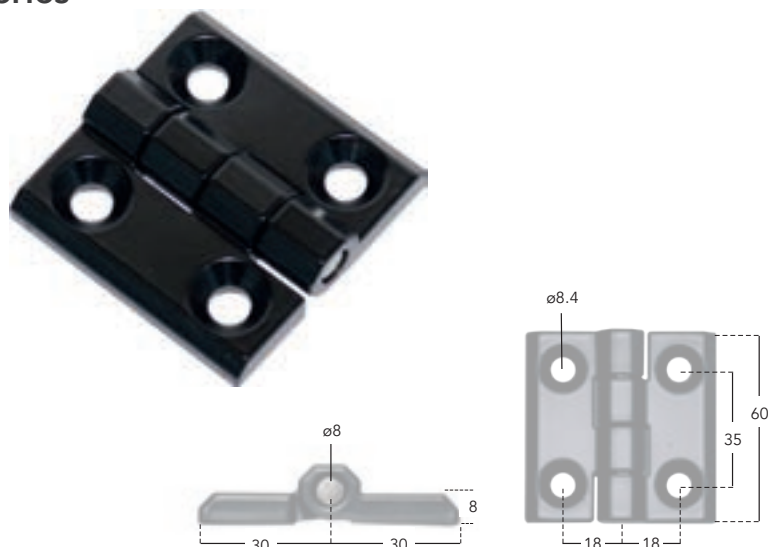


## Locker / Compartment Hinge – HP Series

Black Painted

**HNVN226/60BLK**

- 8mm Die-Cast alloy
- 4 x  $\varnothing 8.4$ mm Countersunk fixing holes
- $\varnothing 8$ mm Zinc plated steel pin
- Robust design
- wgt. 0.16kg

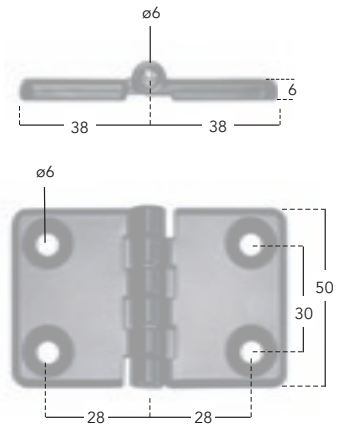


## Locker / Compartment Hinge – HP Series

Black Painted

**HNVN214/50BLK**

- 6mm Die-Cast alloy
- 4 x  $\varnothing 6.0$ mm Countersunk fixing holes
- $\varnothing 6$ mm Zinc plated steel pin
- Robust design
- wgt. 0.11kg

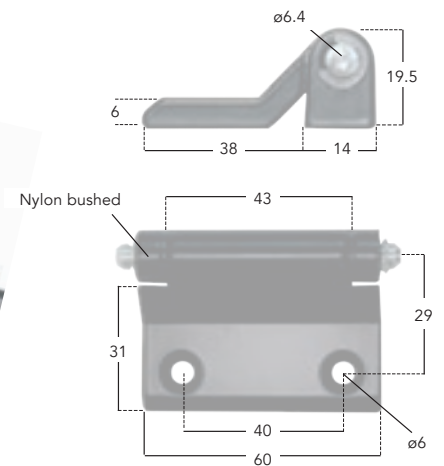


## Cabinet Hinge – HP Series

Black Painted

**HNVN121/60BLK**

- 6mm Die-Cast alloy
- 4 x  $\varnothing 5.5$ mm Countersunk fixing holes
- $\varnothing 6.4$ mm Zinc plated steel pin
- Narrow fixing bracket, only W14mm
- Plastic bushes
- Robust design
- wgt. 0.14kg

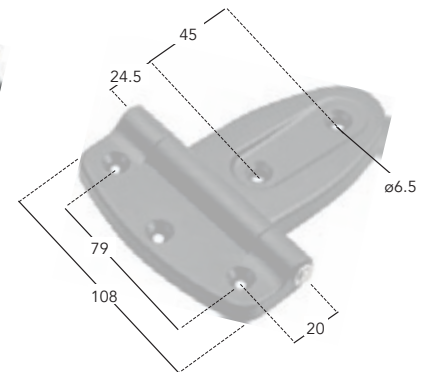


## Nylon Hinge – HP Series

Polyamide Composition

**HNMS108/131BLK**

- 9.5mm Black nylon polyamide construction
- 5 x  $\varnothing 6.5$ mm Countersunk fixing holes
- $\varnothing 6$ mm Zinc plated steel pin
- Robust design
- wgt. 0.14kg

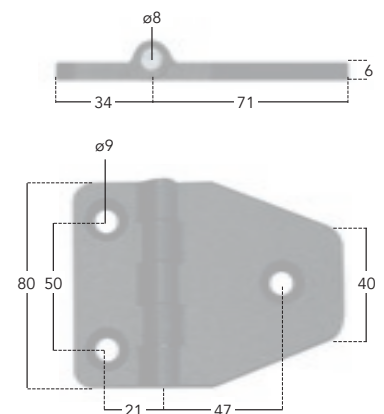


## Nylon Hinge – HP Series

Polyamide Composition

**HNMS148/105BLK**

- 6mm Black nylon polyamide construction
- 4 x  $\varnothing 9.0$ mm Countersunk fixing holes
- $\varnothing 8$ mm Zinc plated steel pin
- Robust design
- wgt. 0.06kg

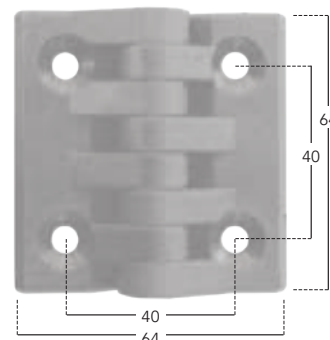


### Nylon Hinge – HP Series

Polyamide Composition

**HNMS295/64BLK**

- 4 x ø6mm Countersunk fixing holes
- 13.5mm Black nylon polyamide construction
- ø5mm Zinc plated pin
- Robust design
- wgt. 0.05kg

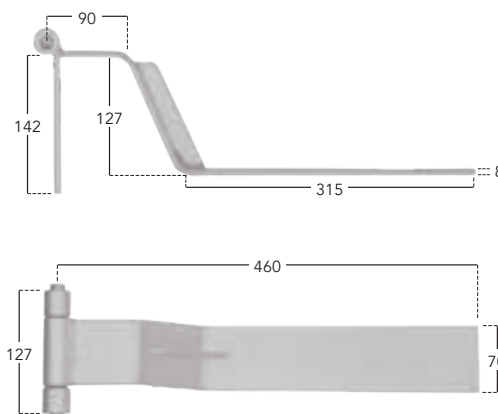
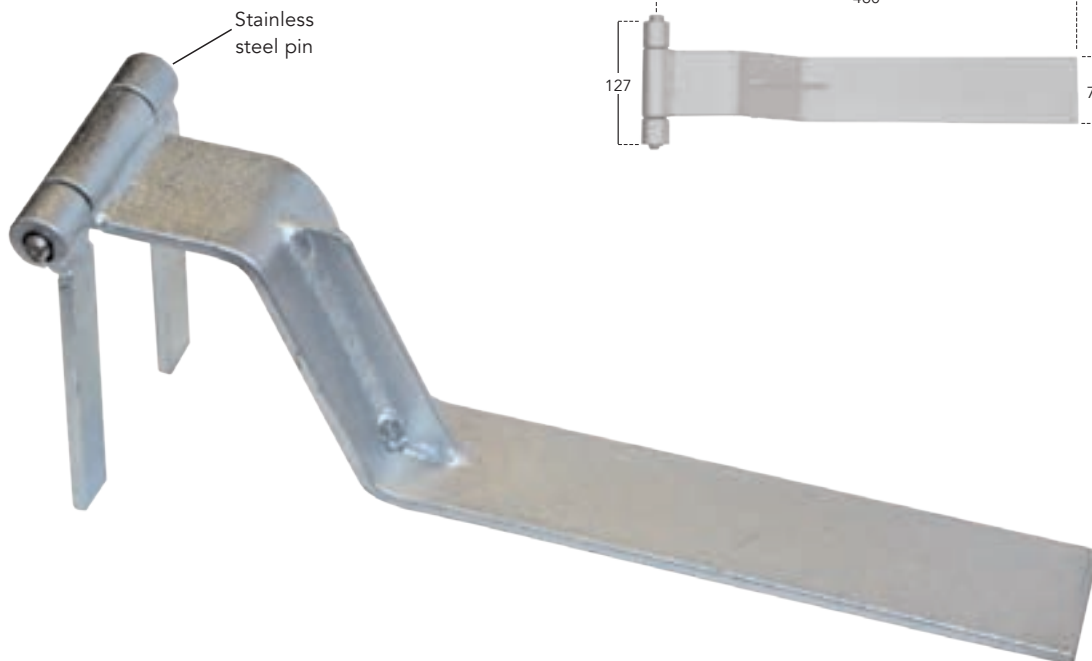


### Tail-Lift Hinge

Zinc Plated

**HNVN1210/ZP**

- Stainless steel pin
- Turns through 270°
- Designed for rear doors where a column tail-lift is fitted and doors are recessed into the rear frame
- wgt. 3.32kg



**DOOR  
RETAINERS**  
**233-234**

**WHEEL  
CHOCKS**  
**335-336**

**TYPE  
APPROVED  
SIDE  
GUARD  
SYSTEMS**  
**287-293**

## Tila '2200' Continuous Hinge

To suit 22mm Panel Thickness – Pre-Drilled

**HNMS631224/2400** L2400mm

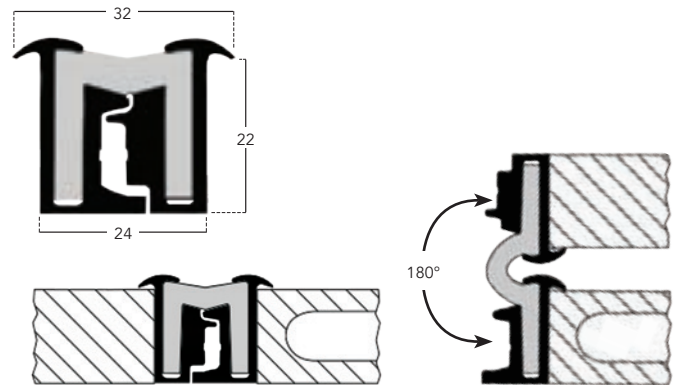
- 24 x  $\varnothing$ 4.0mm Fixing holes
- wgt. 2.55kg

**HNMS631227/2700** L2700mm

- 27 x  $\varnothing$ 4.0mm Fixing holes
- wgt. 3.00kg

**HNMS631230/3000** L3000mm

- 30 x  $\varnothing$ 4.0mm Fixing holes
- wgt. 3.25kg
- Anodised aluminium
- Polyurethane insert allows for 180° operation
- Suitable for both horizontal and vertical fitment
- Temperature resistant from approx. -40°C to +80°C
- Totally maintenance free
- Easy to install, supplied in the 75° 'open' position with the use of aluminium spacers
- Extremely robust design
- Typical applications include: side doors, flaps, lids, etc



## Tila '2900' Continuous Hinge

To suit 29mm Panel Thickness – Pre-Drilled

**HNMS631244/2400** L2400mm

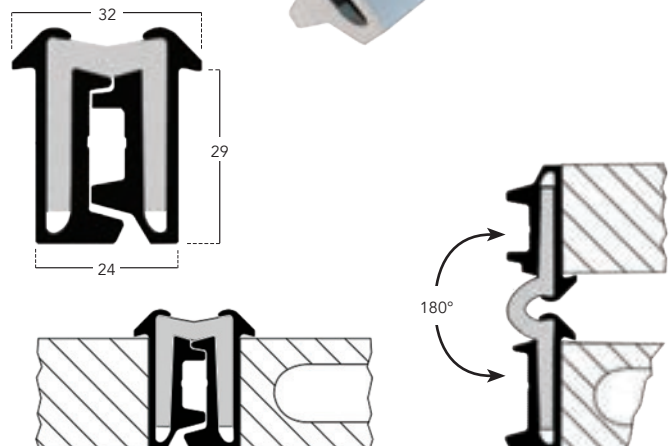
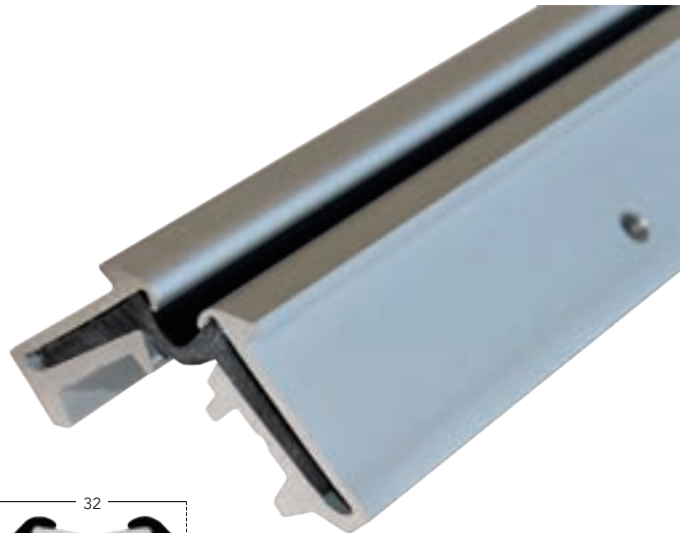
- 12 x  $\varnothing$ 5.0mm Fixing holes
- wgt. 3.45kg

**HNMS631247/2700** L2700mm

- 13 x  $\varnothing$ 5.0mm Fixing holes
- wgt. 4.10kg

**HNMS631250/3000** L3000mm

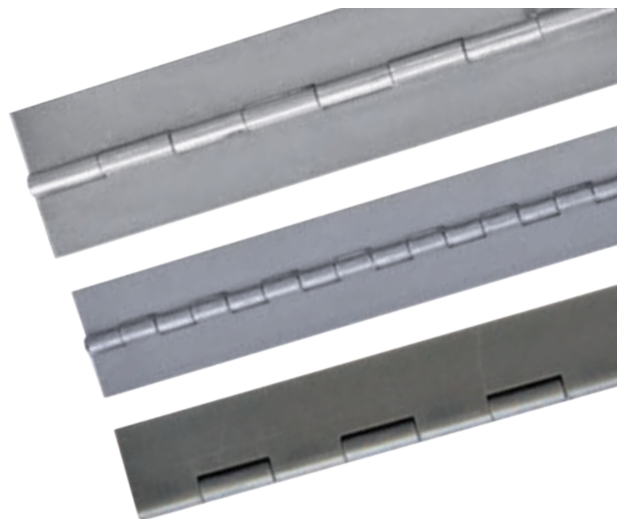
- 15 x  $\varnothing$ 5.0mm Fixing holes
- wgt. 4.60kg
- Anodised aluminium
- Polyurethane insert allows for 180° operation
- Suitable for both horizontal and vertical fitment
- Temperature resistant from approx. -40°C to +80°C
- Totally maintenance free
- Easy to install, supplied in the 75° 'open' position with the use of aluminium spacers
- Extremely robust design
- Typical applications include: side doors, flaps, lids, etc



## Continuous Hinge

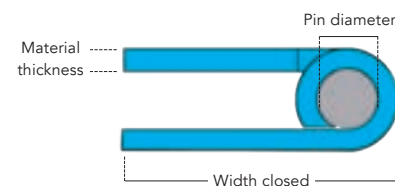
Aluminium, Self Colour, Stainless Steel & Zinc Plated

- Length: 1830mm
- Un-drilled
- Can be supplied pre-drilled on request
- Open 'flat type'
- Other sizes and specifications available
- All Hinges are manufactured to the following tolerance:  $\pm 1.0\text{mm}$



### Aluminium

| Part No.  | Material Thickness (mm) | Width Closed (mm) | Width Open (mm) | Pin Dia. (mm) | Weight (kg) |
|-----------|-------------------------|-------------------|-----------------|---------------|-------------|
| HNCN1816A | 1.22                    | 32                | 57              | 6.0           | 1.54        |



### Self Colour

| Part No.  | Material Thickness (mm) | Width Closed (mm) | Width Open (mm) | Pin Dia. (mm) | Weight (kg) |
|-----------|-------------------------|-------------------|-----------------|---------------|-------------|
| HNCN1805S | 1.22                    | 22                | 38              | 3.2           | 0.96        |
| HNCN1810S | 1.22                    | 25                | 44              | 4.5           | 1.25        |
| HNCN1813S | 1.22                    | 29                | 51              | 4.5           | 1.35        |
| HNCN1815S | 1.22                    | 32                | 57              | 4.5           | 1.44        |
| HNCN1816S | 1.22                    | 32                | 57              | 6.0           | 1.68        |

### 304G Stainless Steel

| Part No.   | Material Thickness (mm) | Width Closed (mm) | Width Open (mm) | Pin Dia. (mm) | Weight (kg) |
|------------|-------------------------|-------------------|-----------------|---------------|-------------|
| HNCN1606SS | 1.50                    | 22                | 38              | 3.2           | 1.00        |
| HNCN1610SS | 1.50                    | 28                | 51              | 3.2           | 1.39        |
| HNCN1618SS | 1.50                    | 33                | 57              | 6.0           | 1.96        |
| HNCN1813SS | 1.22                    | 29                | 51              | 4.5           | 1.29        |
| HNCN1816SS | 1.22                    | 32                | 57              | 6.0           | 1.63        |
| HNCN1622SS | 1.50                    | 36                | 63              | 6.0           | 2.10        |
| HNCN1626SS | 1.50                    | 43                | 76              | 4.5           | 2.30        |

### Zinc Plated

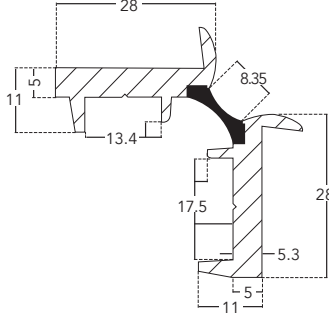
| Part No.   | Material Thickness (mm) | Width Closed (mm) | Width Open (mm) | Pin Dia. (mm) | Weight (kg) |
|------------|-------------------------|-------------------|-----------------|---------------|-------------|
| HNCN1801ZP | 1.22                    | 16                | 25              | 3.2           | 0.71        |
| HNCN1805ZP | 1.22                    | 22                | 38              | 3.2           | 0.96        |
| HNCN1810ZP | 1.22                    | 25                | 44              | 4.5           | 1.25        |
| HNCN1813ZP | 1.22                    | 29                | 51              | 4.5           | 1.35        |
| HNCN1815ZP | 1.22                    | 32                | 57              | 4.5           | 1.44        |
| HNCN1816ZP | 1.22                    | 32                | 57              | 6.0           | 1.68        |
| HNCN1817ZP | 1.22                    | 33                | 63              | 6.0           | 1.79        |
| HNCN1204ZP | 2.50                    | 44                | 76              | 6.0           | 1.99        |

## Rigid Black PVC Hinge – Co Extruded

Weatherproof & Corrosion Resistant

**HNMSCBF200/30** L3000mm

- wgt. 1.10kg
- 180° Opening
- Low exterior profile
- Concealed fixings
- Easy to fit
- Waterproof seal
- Interlocking profile-security feature
- Typical applications include: side flaps, lockers, coaches, horseboxes, recovery vehicles, toolboxes, catering trailers
- Tested to 50,000 fully opening and closing actions (certification available)
- Designed & manufactured for horizontal use only



## Butt Hinge

Zinc Plated

**HNMS1838/75ZP/PR**

- H75 x W50mm (open)
- Supplied in pairs
- Mild steel
- 6 x ø6mm Countersunk fixing holes
- wgt. 0.12kg



## Coach Hinge

Self Colour

**HNMS300/50**

- W50 x L90mm (open length)
- wgt. 0.17kg

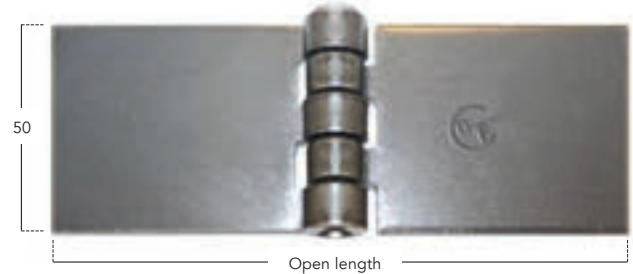
**HNMS300/75**

- W50 x L140mm (open length)
- wgt. 0.24kg

**HNMS300/100**

- W50 x L190mm (open length)
- wgt. 0.31kg

- 3.7mm Mild steel
- Supplied singly
- Pin: ø7mm



## Lift-Off Barrel Hinges

Self Colour / Weld-on

- Supplied with grease nipple and brass washer
- Manufactured from solid profiles
- Can be supplied without grease nipple to 'special' order

| Part No.     | Length (mm) | Cross Section (mm) | Pin Dia. (mm) | Weight (kg) |
|--------------|-------------|--------------------|---------------|-------------|
| HNMS10/080GN | 80          | 12/14              | 7             | 0.07        |
| HNMS10/100GN | 100         | 14/16              | 8             | 0.10        |
| HNMS10/120GN | 120         | 16/18              | 9             | 0.17        |
| HNMS10/135GN | 135         | 18/22              | 12            | 0.30        |
| HNMS10/150GN | 150         | 20/25              | 13            | 0.40        |



### Lift-Off Hinge

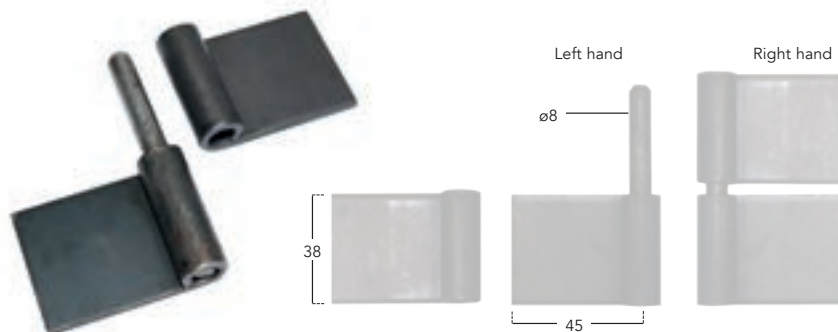
Self Colour

**HNMS226/LH**

- Left hand
- wgt. 0.17kg
- 3mm Mild steel
- Fixed pin

**HNMS226/RH**

- Right hand
- wgt. 0.17kg

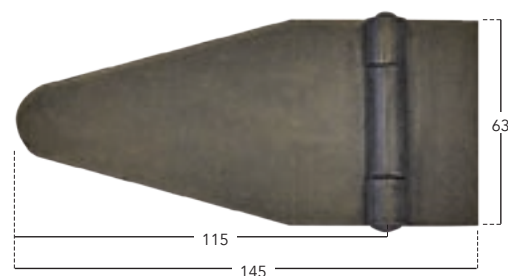


### Pressed Hinge

Self Colour

**HNMS2202/UD**

- 3mm Mild steel
- Un-drilled
- wgt. 0.20kg



### Straight Hinge

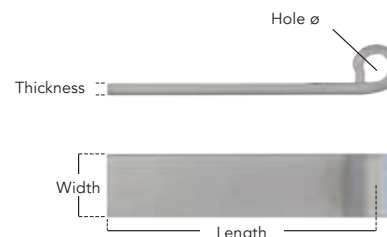
Self Colour & Zinc Plated

- Suits ø12mm hinge pins
- See pages 176 – 177 for hinge pins



Self Colour

| Part No.      | Length (mm) | Width (mm) | Thickness (mm) | Hole Dia. (mm) | Weight (kg) |
|---------------|-------------|------------|----------------|----------------|-------------|
| AHNG4/18306SC | 450         | 30         | 6              | 12.5           | 0.66        |
| AHNG4/18408SC | 450         | 40         | 8              | 12.5           | 1.29        |
| AHNG4/24408SC | 600         | 40         | 8              | 12.5           | 1.72        |
| AHNG4/30408SC | 760         | 40         | 8              | 12.5           | 1.97        |



Zinc Plated

| Part No.      | Length (mm) | Width (mm) | Thickness (mm) | Hole Dia. (mm) | Weight (kg) |
|---------------|-------------|------------|----------------|----------------|-------------|
| AHNG4/18306ZP | 450         | 30         | 6              | 12.5           | 0.66        |
| AHNG4/18408ZP | 450         | 40         | 8              | 12.5           | 1.29        |
| AHNG4/24408ZP | 600         | 40         | 8              | 12.5           | 1.72        |
| AHNG4/30408ZP | 760         | 40         | 8              | 12.5           | 1.97        |

## Short Hinge

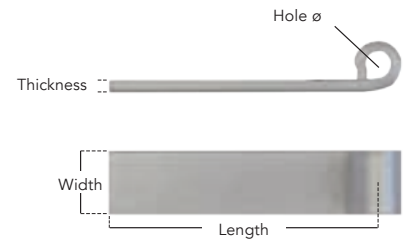
Self Colour & Zinc Plated

- Suits  $\varnothing 12\text{mm}$  hinge pins, except **AHNG121/40816SC** suits  $\varnothing 16\text{mm}$  hinge pin
- See pages 176 – 177 for hinge pins



### Self Colour

| Part No.        | Length (mm) | Width (mm) | Thickness (mm) | Hole Dia. (mm) | Weight (kg) |
|-----------------|-------------|------------|----------------|----------------|-------------|
| AHNG2/306SC     | 50          | 30         | 6              | 12.5           | 0.14        |
| AHNG2/408SC     | 50          | 40         | 8              | 12.5           | 0.25        |
| AHNG2/70408SC   | 70          | 40         | 8              | 12.5           | 0.27        |
| AHNG121/306SC   | 150         | 30         | 6              | 12.5           | 0.27        |
| AHNG121/408SC   | 150         | 40         | 8              | 12.5           | 0.51        |
| AHNG121/40816SC | 150         | 40         | 8              | 16.5           | 0.51        |



### Zinc Plated

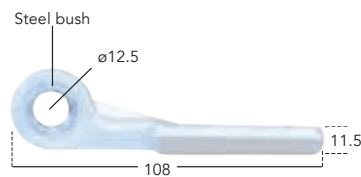
| Part No.      | Length (mm) | Width (mm) | Thickness (mm) | Hole Dia. (mm) | Weight (kg) |
|---------------|-------------|------------|----------------|----------------|-------------|
| AHNG121/306ZP | 150         | 30         | 6              | 12.5           | 0.27        |
| AHNG121/408ZP | 150         | 40         | 8              | 12.5           | 0.51        |

## Aluminium Hinge

Weld-on

### AALL1054

- Aluminium body complete with steel bush
- Anodised surface coating
- Suits  $\varnothing 12\text{mm}$  hinge pins
- See pages 176 – 177 for hinge pins
- wgt. 0.26kg



## Forged Steel Hinge

Weld-on

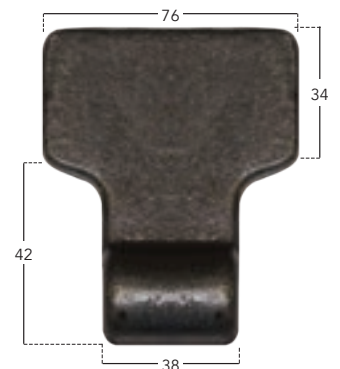
### AHNG119/12

- A =  $\varnothing 12.5\text{mm}$
- Suits  $\varnothing 12\text{mm}$  hinge pin
- wgt. 0.53kg

### AHNG119/16

- A =  $\varnothing 16.5\text{mm}$
- Suits  $\varnothing 16\text{mm}$  hinge pin
- wgt. 0.50kg

- Self colour
- See pages 176 – 177 for hinge pins

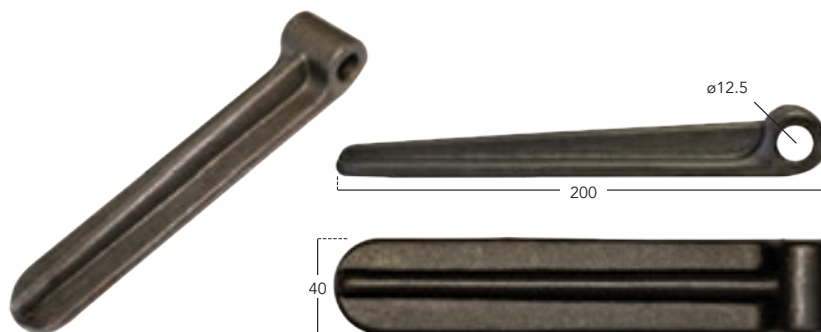


## Forged Steel Hinge

Weld-on

### AHNG120A

- Self colour
- Suits  $\varnothing 12\text{mm}$  hinge pin
- See pages 176 – 177 for hinge pins
- wgt. 0.57kg

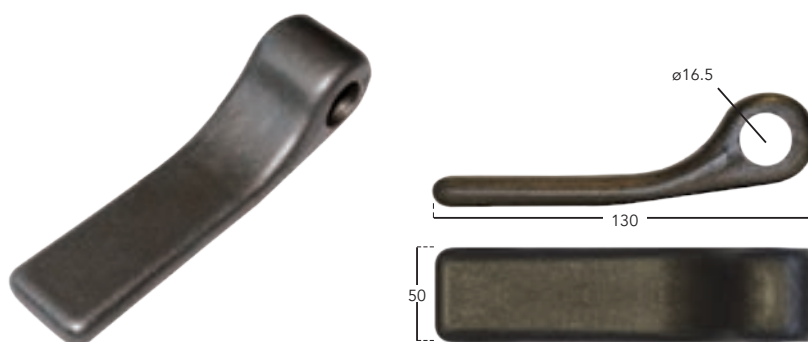


## Forged Steel Hinge

Weld-on

### AHNG324

- Self colour
- Suits  $\varnothing 16\text{mm}$  hinge pin
- See pages 176 – 177 for hinge pins
- wgt. 0.44kg



## TIR Hinge Block

Weld-on

### AHNG713

- Self colour
- Suits  $\varnothing 12\text{mm}$  hinge pin
- See pages 176 – 177 for hinge pins
- wgt. 0.19kg



## Hinge Tube

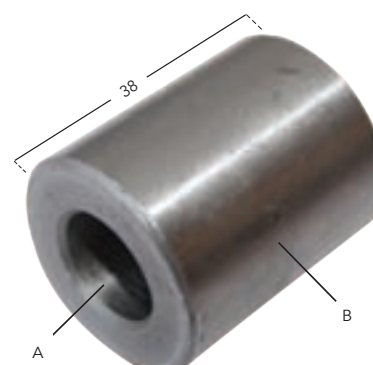
Weld-on

### AMSC330/12

- A =  $\varnothing 12.5\text{mm}$  B =  $\varnothing 25\text{mm}$
- wgt. 0.11kg
- Self colour

### AMSC330/16

- A =  $\varnothing 16.5\text{mm}$  B =  $\varnothing 32\text{mm}$
- wgt. 0.13kg

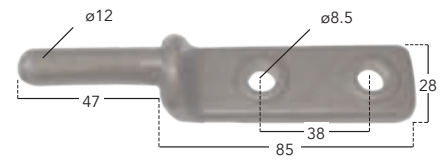


## Ø12mm Bolt-on Hinge Pin

Self Colour

**AROP22/STSC**

- Self colour
- Standard pin length
- Mild steel
- 2 x Ø8.5mm Fixing holes
- wgt. 0.17kg

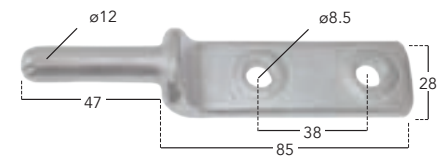


## Ø12mm Bolt-on Hinge Pin

Zinc Plated

**AROP22/STZP**

- Zinc plated
- Standard pin length
- Mild steel
- 2 x Ø8.5mm Fixing holes
- wgt. 0.17kg

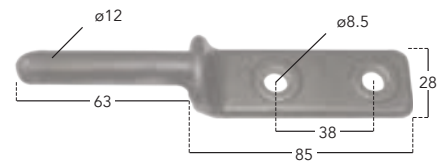


## Ø12mm Bolt-on Hinge Pin

Self Colour

**AROP22/LP**

- Self colour
- Long pin
- Mild steel
- 2 x Ø8.5mm Fixing holes
- wgt. 0.18kg

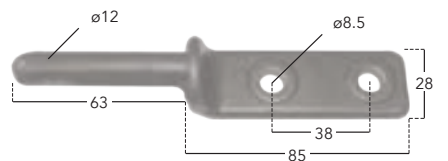


## Ø12mm Bolt-on Hinge Pin – Slotted

Self Colour

**AROP22/LPS**

- Self colour
- Slotted / long pin
- Mild steel
- 2 x Ø8.5mm Fixing holes
- wgt. 0.17kg

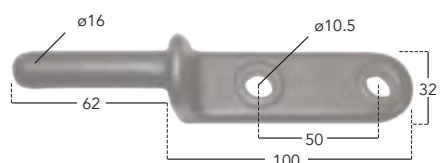


## Ø16mm Bolt-on Hinge Pin

Self Colour

**AROP22/16**

- Self colour
- 62mm Pin length
- Mild steel
- 2 x Ø10.5mm Fixing holes
- wgt. 0.28kg

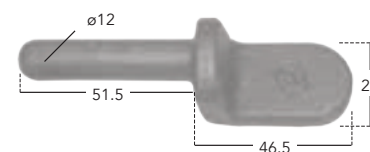


### ø12mm Weld-on Hinge Pin

Self Colour

**AROP21/ST**

- Self colour
- Standard pin length
- Mild steel
- wgt. 0.14kg

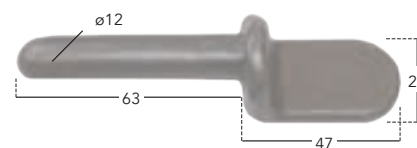


### ø12mm Weld-on Hinge Pin

Self Colour

**AROP21/LP**

- Self colour
- Long pin
- Mild steel
- wgt. 0.15kg

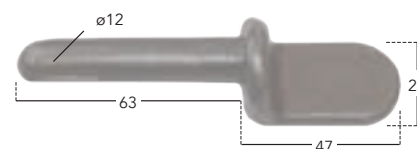
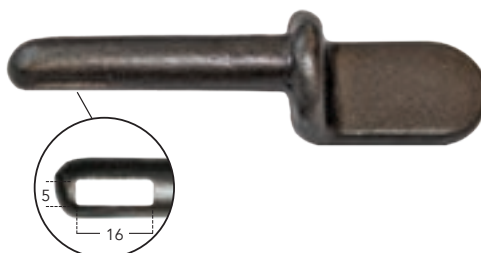


### ø12mm Weld-on Hinge Pin – Slotted

Self Colour

**AROP21/LPS**

- Self colour
- Slotted / long pin
- Mild steel
- wgt. 0.14kg

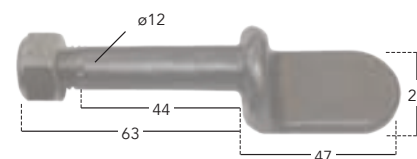


### ø12mm Weld-on Hinge Pin – Threaded

Self Colour

**AROP21/LPN**

- Self colour
- Standard pin length
- Mild steel
- Supplied with thread pin & nyloc nut
- wgt. 0.15kg

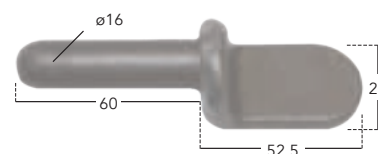


### ø16mm Weld-on Hinge Pin

Self Colour

**AROP21/16**

- Self colour
- 60mm Pin length
- Mild steel
- wgt. 0.20kg



## Hinge & Hinge Pin Set

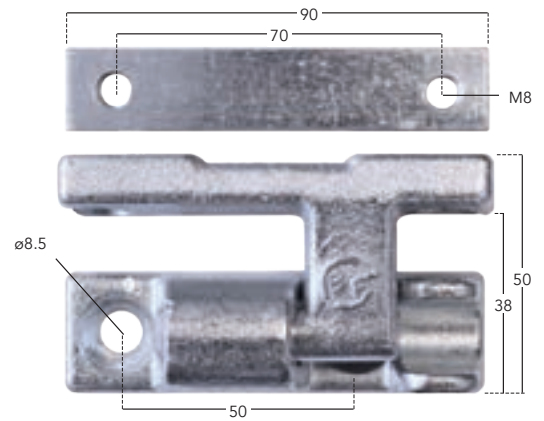
Zinc Plated – Medium Duty

### ALEV904/905ZP

- Each set includes:
  - 1 x  $\varnothing 12$ mm hinge pin
  - 1 x hinge
  - 1 x pre-threaded back plate
- Hinge security feature locks the hinge in place when closed
- Suits most hollow aluminium plank sections
- wgt. 0.49kg



Hinge security feature

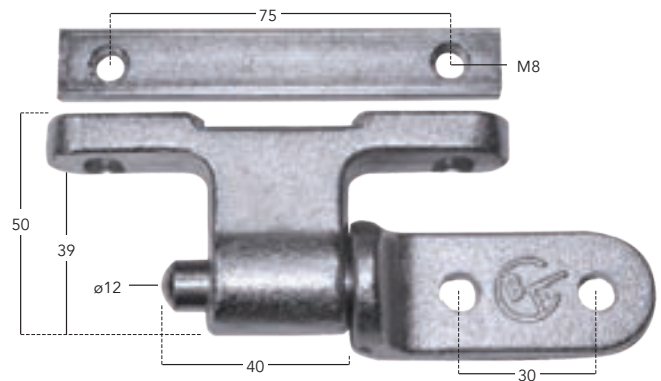


## Hinge & Hinge Pin Set

Zinc Plated – Medium Duty

### ALEV909/910ZP

- Each set includes:
  - 1 x  $\varnothing 12$ mm hinge pin
  - 1 x hinge
  - 1 x pre-threaded back plate
  - 4 x fitting bolts
  - 2 x nyloc nuts
  - 6 x flat washers
  - 2 x spring washers
- Suits most hollow aluminium plank sections
- wgt. 0.64kg

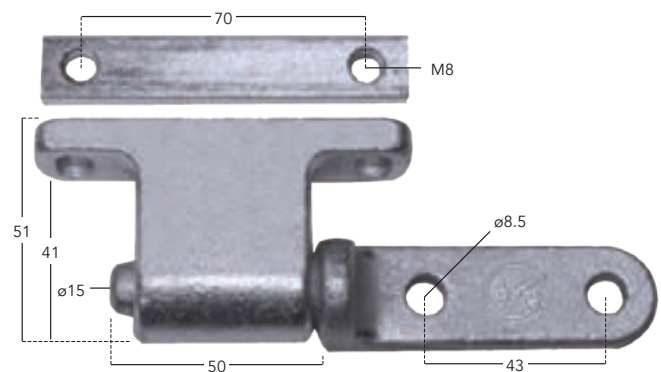


## Hinge & Hinge Pin Set

Zinc Plated – Heavy Duty

### ALEV906/907ZP

- Each set includes:
  - 1 x  $\varnothing 15$ mm hinge pin
  - 1 x hinge
  - 1 x pre-threaded back plate
  - 4 x fitting bolts
  - 2 x nyloc nuts
  - 6 x flat washers
  - 2 x spring washers
- Suits most hollow aluminium plank sections
- wgt. 0.66kg



## Safety Sideboard Hinge Set

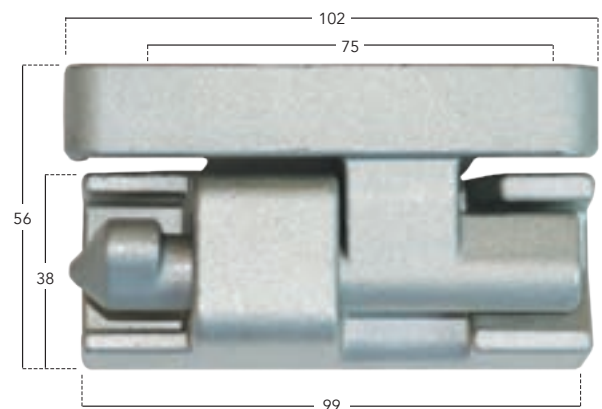
AT600 Surface Coated – Heavy Duty

### ALEV901/902AT

- Each set includes:
  - 1 x  $\varnothing 15$ mm hinge pin • 1 x hinge
- Hinge security feature locks the hinge in place when closed
- Investment cast steel
- Armour-Tech 600 (AT600) surface coating
- 600 Hours+ salt spray tested
- 4 x  $\varnothing 8.3$ mm Fixing holes
- wgt. 0.76kg



Hinge security feature



### Recessed Lashing Ring

Zinc Plated

**AROP410**

- Permissible tensile load: 500kg (0.5T)
- L100 x W95mm
- Recess: L76 x W75 x D27mm
- High tensile bolts required in all applications
- 4 x ø7.3mm Countersunk fixing holes
- Test certification available upon request
- wgt. 0.38kg



**AROP410/FP/ZP** Optional fixing plate

- L120 x W120 x T3.5mm
- Typically used to sandwich between lashing ring and floor base
- wgt. 0.29kg



### Recessed Lashing Ring

Zinc Plated

**AROP410/SPR**

- Permissible tensile load: 500kg (0.5T)
- L100 x W95mm
- Recess: L76 x W75 x D27mm
- Complete with spring loaded ring
- High tensile bolts required in all applications
- 4 x ø7.3mm Countersunk fixing holes
- Test certification available upon request
- wgt. 0.39kg



**AROP410/FP/ZP** Optional fixing plate

- L120 x W120 x T3.5mm
- Typically used to sandwich between lashing ring and floor base
- wgt. 0.29kg

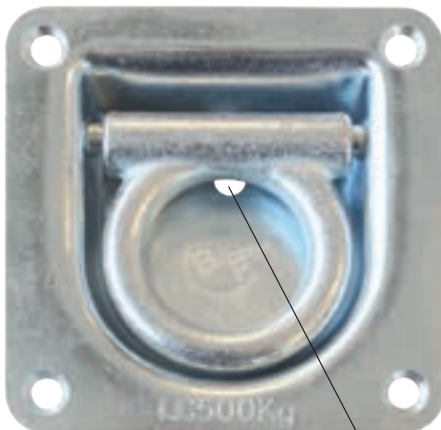


### Recessed Lashing Ring

Zinc Plated

**AROP510/DR**

- Permissible tensile load: 500kg (0.5T)
- L105 x W105mm
- Recess: L85 x W79 x D27mm
- Drainage hole
- High tensile bolts required in all applications
- 4 x ø7.3mm Countersunk fixing holes
- Test certification available upon request
- wgt. 0.44kg



Drainage hole

### Recessed Lashing Ring

Zinc Plated

**AROP430**

- Permissible tensile load: 500kg (0.5T)
- L150 x W125mm
- Recess: L134 x W70 x D27mm
- Complete with spring loaded ring
- High tensile bolts required in all applications
- 6 x ø7.3mm Countersunk fixing holes
- Test certification available upon request
- wgt. 0.54kg



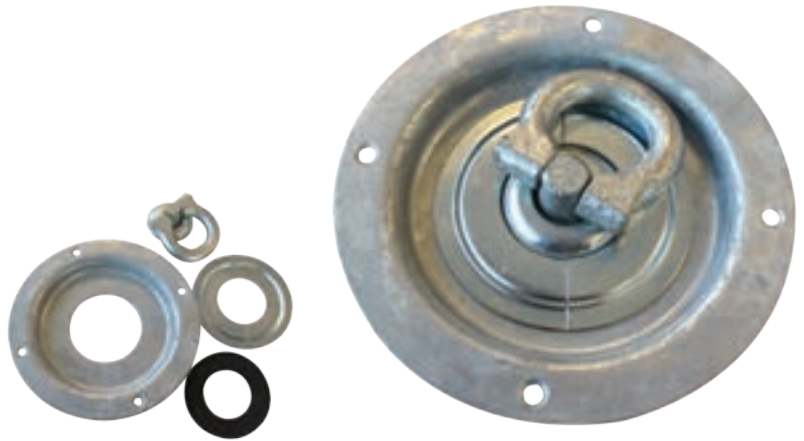
Spring loaded ring

## Recessed Pivotal Lashing Ring Set

Galvanized

### AROP340/SET/GV

- Permissible tensile load: 2000kg (2.0T)
- Complete unit includes:
  - 1 x swivel ring, 1 x pan
  - 2 x seal plates, 1 x rubber seal
- $\varnothing 152\text{mm}$  • Recess:  $\varnothing 140 \times \text{D}18\text{mm}$
- Universally jointed to withstand loads enforced in any direction
- Weld-on ring
- 4 x  $\varnothing 6.5\text{mm}$  Countersunk (pan) fixing holes
- Fitting instructions and test certification available upon request
- wgt. 0.83kg



## Pivotal Lashing Ring

Galvanized

### AROP340/R

- Permissible tensile load: 2000kg (2.0T)
- Swivel ring only
- Universally jointed to withstand loads enforced in any direction
- Weld-on
- Test certification available upon request
- wgt. 0.38kg

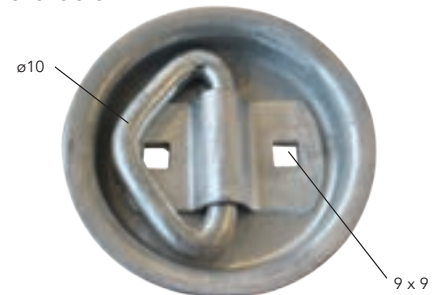


## Recessed Lashing Ring

Galvanized

### AROP665/GV

- Permissible tensile load: 500kg (0.5T)
- Complete unit includes: 1 x ring, pan & cleat
- $\varnothing 103 \times \text{D}18\text{mm}$  • Recess:  $\varnothing 88 \times \text{D}16\text{mm}$
- Fully recessed, ideal for cross member attachment
- High tensile bolts required in all applications
- Test certification available upon request
- wgt. 0.31kg



## Recessed Lashing Ring

Self Colour

### AROP9096/2500SC

- Permissible tensile load: 2500kg (2.5T)
- L90 x W96 x D28mm
- Drain hole in base
- Weld-on
- Test certification available upon request
- wgt. 0.89kg



## Recessed Lashing Ring

Zinc Plated

### AROP6640/ZP

- Permissible tensile load: 750kg (0.75T)
- Complete unit includes: 1 x ring, pan, cleat & back plate
- L145 x W100
- Recess: W76 x L120 x D9mm
- High tensile bolts required in all applications
- Test certification available upon request
- wgt. 0.54kg

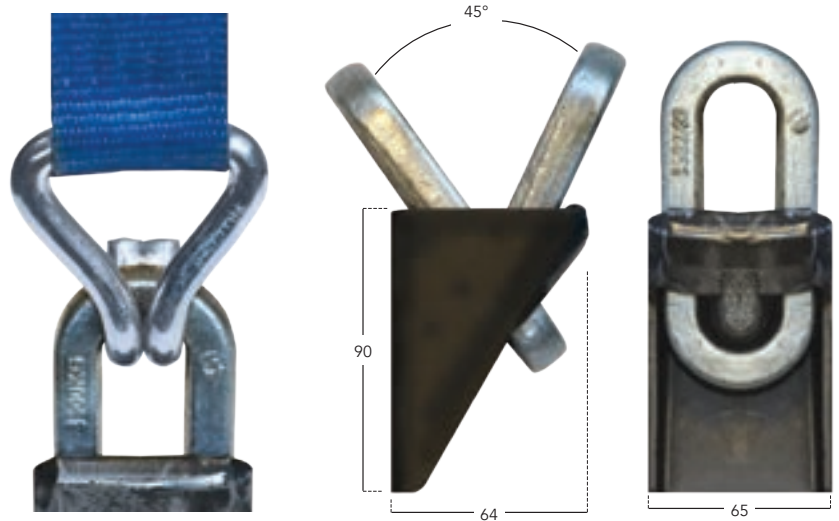


### Under-Floor Lashing Ring

Galvanized / Self Colour

**AROPCBF250**

- Permissible tensile load: 3500kg (3.5T)
- Bracket: self colour
- Weld-on
- Galvanized ring: W15 x D15mm
- Test certification available upon request
- wgt. 1.08kg



### Under-Floor Lashing Link

CP350 Surface Coated

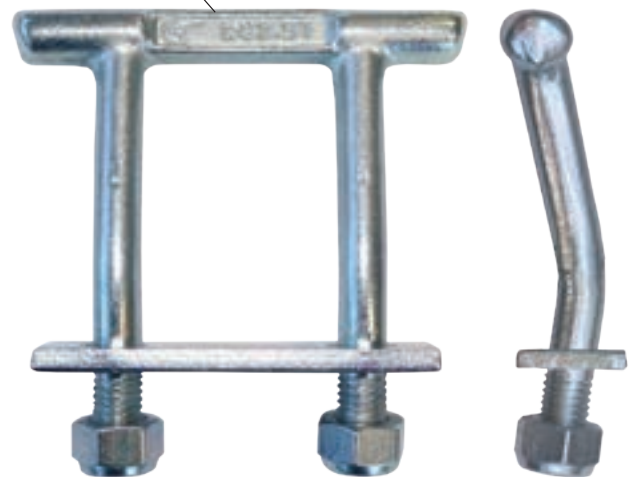
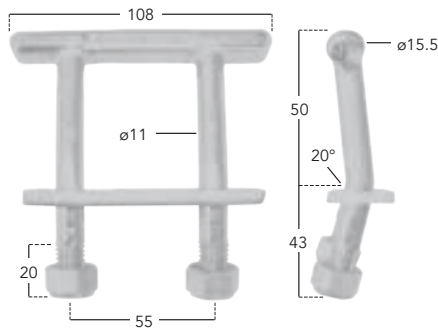
**AROP2525**

- Permissible tensile load: 2500kg (2.5T)
- Supplied complete with nyloc nuts & backplate
- Suits rave, single claw and flat 'J' hooks
- CP350 Surface coating – 350+ hours salt spray tested
- Test certification available upon request
- Compatible straps available – see pages 191-192
- wgt. 0.41kg



LC2.5T

Typical application using an over-centre strap fitted with flat 'J' hooks



**LOAD RESTRAINT STRAPS**  
**190-192**

**BODY MOUNTING BRACKETS**  
**1-21**

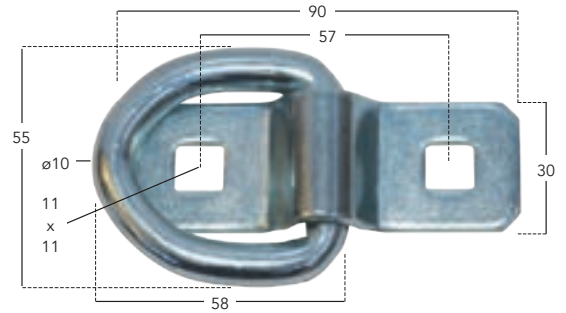
**HANDLES**  
**131-133**

## Bolt-on Lashing Ring & Cleat

Zinc Plated

### AROP51/10

- Permissible tensile load: 725kg (0.725T)
- High tensile bolts required in all applications
- Test certification available upon request
- wgt. 0.17kg

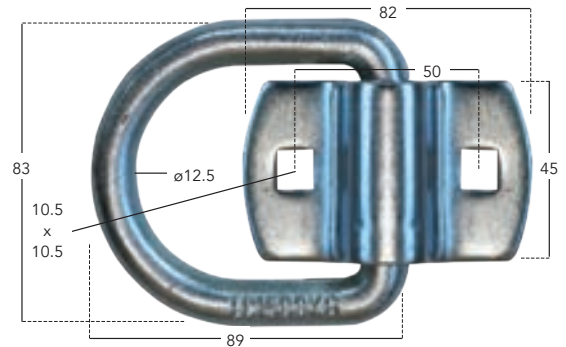


## Bolt-on Lashing Ring & Cleat

Zinc Plated

### AROP56/13

- Permissible tensile load: 1500kg (1.5T)
- High tensile bolts required in all applications
- Test certification available upon request
- wgt. 0.42kg

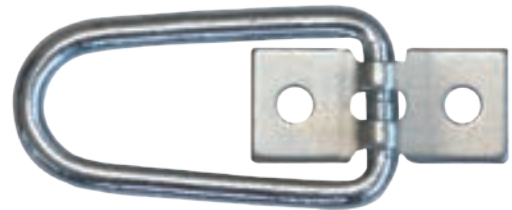


## Bolt-on Rocking Staple

Zinc Plated

### AROP3309/55

- Permissible tensile load: not rated
- Ring: L55 x W34 x 6mm
- Staple: L50 x W20
- 2 x 6mm Fixing holes
- wgt. 0.04kg



## Bolt-on Pan Fitting with 'D' Ring

Zinc Plated

### AROP7190/ZP

- Permissible tensile load: not rated
- 101mm diameter • Plate trim: polyurethane
- Ring is designed to stay centred
- Low profile mounting in small vans and horseboxes
- 10.3mm diameter fixing hole • Only 11mm protrusion
- wgt. 0.08kg

### AROP7190/RZP

- Ring only
- wgt. 0.07kg



## Bolt-on Pan Fitting with 'D' Ring

Stainless Steel

### AROP7190/SS

- Permissible tensile load: not rated
- 101mm diameter • Plate trim: polyurethane
- Low profile mounting in small vans and horseboxes
- Ring is designed to stay centred
- 10.3mm diameter fixing hole • Only 11mm protrusion
- wgt. 0.08kg

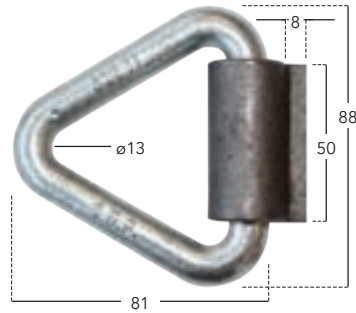


## Weld-on Lashing Ring

No Plate

### AROP357/NP

- Permissible tensile load: 1000kg (1.0T)
- Bracket: self colour
- Ring: zinc plated
- Test certification available upon request
- wgt. 0.38kg

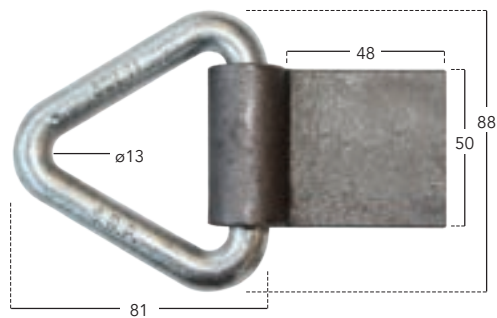


## Weld-on Lashing Ring

Short Plate

### AROP357/SP

- Permissible tensile load: 1000kg (1.0T)
- Bracket: self colour
- Ring: zinc plated
- Test certification available upon request
- wgt. 0.55kg

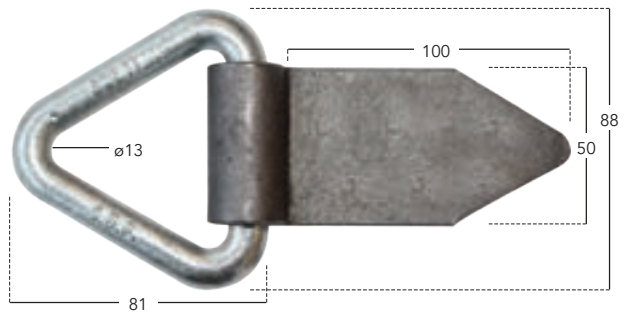


## Weld-on Lashing Ring

Long Plate

### AROP357/LP

- Permissible tensile load: 1000kg (1.0T)
- Bracket: self colour
- Ring: zinc plated
- Test certification available upon request
- wgt. 0.65kg

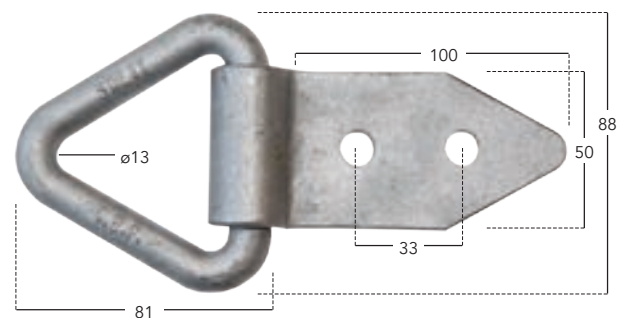


## Bolt-on Lashing Ring

Long Plate

### AROP357/LP/DGV

- Permissible tensile load: 1000kg (1.0T)
- Bracket: galvanized
- Ring: galvanized
- 2 x ø10.5mm Fixing holes
- Test certification available upon request
- wgt. 0.64kg

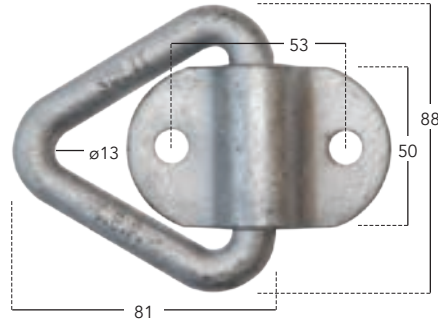


## Bolt-on Lashing Ring & Cleat

Galvanized

### AROP357/BOGV

- Permissible tensile load: 1000kg (1.0T)
- Bracket: galvanized
- Ring: galvanized
- 2 x  $\varnothing 10.5$ mm Fixing holes
- Test certification available upon request
- wgt. 0.37kg

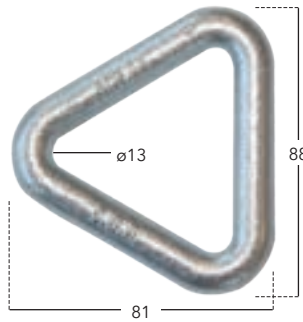


## Lashing Ring

Ring Only

### AROP357/R

- Permissible tensile load: 1000kg (1.0T)
- Zinc plated
- Test certification available upon request
- wgt. 0.24kg



## Bolt-on Lashing Ring

Zinc Plated

### AROP4574

- Permissible tensile load: not rated
- Plate: L74 x W45mm
- Ring:  $\varnothing 70$  x  $\varnothing 7$ mm
- 4 x  $\varnothing 6.5$ mm Fixing holes
- wgt. 0.12kg



## Bolt-on Lashing Ring

Stainless Steel & Zinc Plated

### AROP3473/SS 304G Stainless steel

### AROP3473/ZP Zinc plated

- Permissible tensile load: not rated
- Plate: L50 x W40mm
- Ring:  $\varnothing 66$  x  $\varnothing 8$ mm
- 4 x  $\varnothing 5$ mm Fixing holes
- wgt. 0.17kg

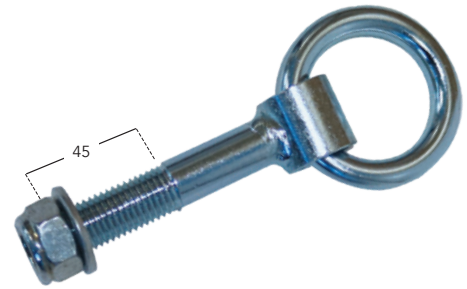


## Bolt-on Lashing Eye

CP350 Surface Coated

**AEYE418/16**

- Permissible tensile load: Not rated
- Ring:  $\varnothing 62 \times \varnothing 10\text{mm}$  (inner dia.  $\varnothing 42\text{mm}$ )
- Shank:  $\varnothing 16 \times \text{L}80\text{mm}$  (45mm thread)
- Supplied complete with nyloc nut and washer
- wgt. 0.30kg



## Welded Ring

Self Colour

**AMSC279/50**

- Ring:  $\varnothing 69 \times \varnothing 9.5\text{mm}$  (inner dia.  $\varnothing 51\text{mm}$ )
- wgt. 0.10kg



## Welded Ring

Zinc Plated

**CARG15013/10**

- Permissible tensile load: Not rated
- Ring:  $\varnothing 90 \times \varnothing 8.3\text{mm}$  (inner dia.  $\varnothing 73.4\text{mm}$ )
- Suits curtain sided centre pole
- wgt. 0.10kg



## Staple

Black Epoxy Coated Cast Steel

**MISC69/30**

- A = 30mm • B = 65
- wgt. 0.02kg

**MISC69/40**

- A = 40mm • B = 73
- wgt. 0.03kg

**MISC69/50**

- A = 50mm • B = 80
- wgt. 0.04kg



- Permissible tensile load: Not rated

## Lashing Link

Yellow Painted – PTL 12000kg

### AFER25/12000/YEL

- Permissible tensile load: 12000kg (12.0T)
- High tensile steel
- Conforms to EN29367-2 when used in conjunction with a compatible cleat, shown below
- Test certification available upon request
- wgt. 1.44kg

### EN29367-2 CRITERIA

Abbreviated version

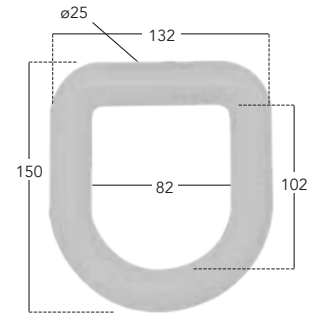
Each lashing point shall allow the free passage inside it of a circle of at least  $\varnothing 80\text{mm}$ , but the aperture need not be circular. The thickness of the lashing point material shall allow engagement of a hook of at least 25mm opening. The value of the test force to be used is 120kN.



Fitted with  
AFER25/12000/BOGV  
bracket



Fitted with  
AFER25/12000/WOSC  
bracket

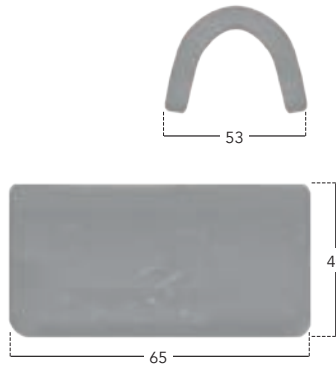


## Weld-on Cleat

Self Colour

### AFER25/12000/WOSC

- Permissible tensile load: 12000kg (12.0T) when used in conjunction with **AFER25/12000/YEL**
- Test certification available upon request
- wgt. 0.45kg

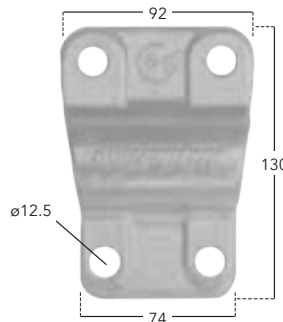


## Bolt-on Cleat

Galvanized

### AFER25/12000/BOGV

- Permissible tensile load: 12000kg (12.0T) when used in conjunction with **AFER25/12000/YEL**
- 4 x  $\varnothing 12.5\text{mm}$  Fixing holes
- Test certification available upon request
- wgt. 0.98kg

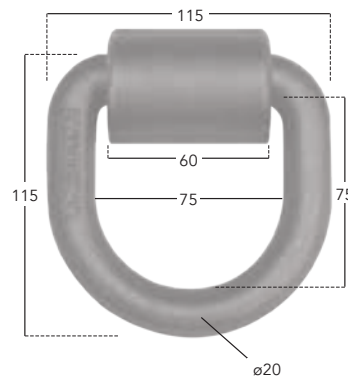


## Lashing Link Set

Self Colour – PTL 2000kg

### AFER20/2000SC

- Permissible tensile load: 2000kg (2.0T)
- High tensile steel
- Material:  $\varnothing 20$ mm
- Supplied with weld-on cleat
- Test certification available upon request
- wgt. 1.15kg

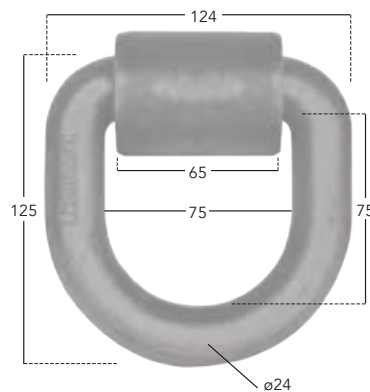


## Lashing Link Set

Self Colour – PTL 8000kg

### AFER25/8000SC

- Permissible tensile load: 8000kg (8.0T)
- High tensile steel
- Material:  $\varnothing 24$ mm
- Supplied with weld-on cleat
- Test certification available upon request
- wgt. 1.59kg



## Lashing Link & Cleat

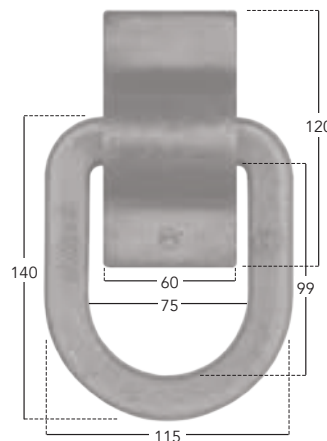
Self Colour – PTL 5000kg

### AFER22/5000SC

- Lashing link
- Material: W20 x D23mm
- wgt. 1.18kg

### AFER22/5000/WOSC

- Weld-on cleat
- wgt. 0.50kg
- Permissible tensile load: 5000kg (5.0T) when both parts are used in conjunction
- High tensile steel
- Test certification available upon request



## Fall Protection Straps

Manufactured to Customers' Requirements

Fall Protection straps are available in many configurations.

All straps are supplied with 50mm wide, bright yellow webbing clearly printed with 'FALL PROTECTION ONLY' at regular intervals. Twisted snap hooks are fitted at each end, the straps are tensioned with either a cam buckle or ratchet buckle (depending on length).

- Simple to use and operate
- All straps are dated and batch numbered
- Bespoke printing service available

**The following information is required when requesting a price/ordering:**

- Body length and width
- Length from bulkhead to mid-point pillar
- Confirm if cam or ratchet buckles are required
- Number of straps required per side / end

### FRET2603/HDSS

- For use with fall protection straps (not supplied with strap units)
- 304G Stainless steel, bolt-on staple
- L50 x W40mm
- 4 x ø5mm Countersunk fixing holes
- wgt. 0.06kg



Twisted snap hooks fitted at both ends



## Retractable Net & Strap System

Manufactured from blue polyester PVC mesh or heavy duty PVC material.

The net system is stored in the vehicle roof until required, the net is simply pulled down over the load using spring loaded retractable wires, when finished with the net simply returns back into the roof area.

The nets can be moved along the body length using the built-in rollers.

Rollers are designed to be used in conjunction with DGR35/3000 & DGR35/4000 tracks – see page 294

- Standard net size: L1800 x W450 x 500mm drop each side
- Load capacity: 2000kg
- Other sizes available upon request
- When ordering please confirm sliding track centres & floor to roof dimensions

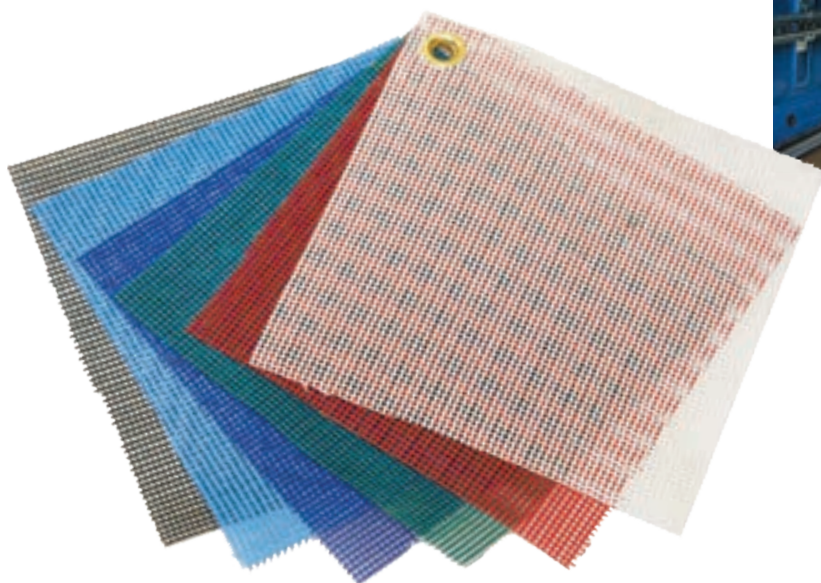


## Cargo Nets

Manufactured to Customers' Requirements

Manufactured to virtually any size and shape, from basic internal nets to roof mounted retractable units. All nets are manufactured from polyester coated PVC mesh, allowing the operator to visibly see the contained load. Cargo nets are ideally suited to side and transverse load containment.

- When ordering please supply a drawing showing the internal height, width and fixing point dimensions

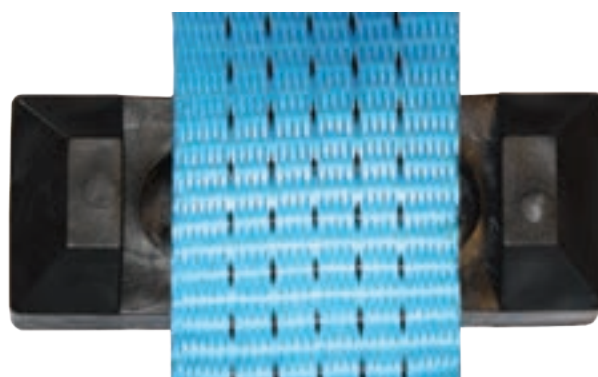
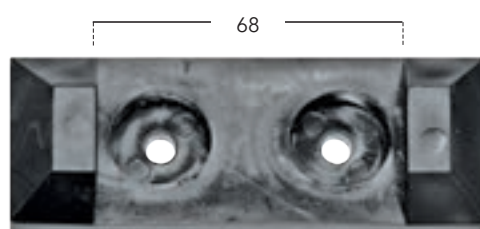


## Strap Guide

Black HDPE Plastic

**CARG26/10940/BLK**

- L107 x W38 x D24mm
- Suitable for use with 50mm webbing
- Heavy duty HDPE plastic
- 2 x ø6mm Fixing holes
- wgt. 0.05kg



## Universal Track Fitting

Suits Universal & 'E' Tracks

### REST1065UTF/ZP

- Sprung loaded safety release catch
- Safe load capacity: 750daN
- Ultimate load capacity: 1500daN
- Suits CARG1065/3050/ZP heavy duty universal track – see page 194
- Zinc Plated
- wgt. 0.14kg



## Strap/Rope Tie-Off

Suits Universal & 'E' Tracks

### CARG1809C

- Sprung loaded safety release catch
- Safe load capacity: 1000kg
- Ultimate load capacity: 2000kg
- Webbing: L73 x W45mm
- Suits CARG1065/3050/ZP - Heavy duty universal track – see page 194
- wgt. 0.18kg



## Side Curtain Strap

Polyester Webbing

### CARG8402K

- Black polyester
- Replacement strap
- Closed rave hook
- Zinc plated overcentre buckle
- wgt. 0.49kg



## Side Curtain Strap

Polyester Webbing

### CARG0503K

- Black polyester
- Tension end only
- Closed rave hook
- wgt. 0.17kg



## Polyester Webbing

50mm Wide

### CARG50

- Safe load capacity: 700kg
- Ultimate load capacity: 1400kg
- Black polyester
- Supplied per metre
- Test certification available upon request
- wgt. 0.046kg per metre



## Internal Strap Assemblies

Polyester Webbing with Overcentre Buckle

- Safe load capacity: 350kg
- Ultimate load capacity: 700kg
- Zinc plated overcentre buckle
- Various end fittings to suit most applications
- Manufactured in accordance with BS EN12195-2:2001
- Can be manufactured to any length
- Alternative end fittings available upon request



CARG3309B / CARG3314B



CARG3314JK



CARG3314RK



CARG3314SK

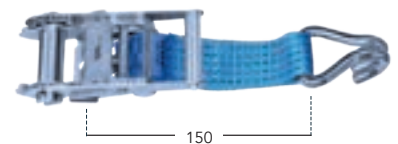
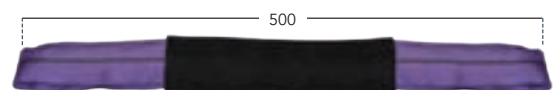
| Part No.   | Working Length (m) | End Fitting      |           | To Suit      | Weight (kg) |
|------------|--------------------|------------------|-----------|--------------|-------------|
| CARG3309B  | 2.75               | Claw Hook        | Claw Hook | Box Vehicle  | 0.59        |
| CARG3314B  | 4.20               | Claw Hook        | Claw Hook | Box Vehicle  | 0.68        |
| CARG3314JK | 4.25               | Flat 'J' Hook    | Snap Hook | Curtainsider | 0.72        |
| CARG3314RK | 4.25               | Closed Rave Hook | Ring      | Curtainsider | 0.72        |
| CARG3314SK | 4.25               | Closed Rave Hook | Snap Hook | Curtainsider | 0.72        |

## Car Transporter Wheel Strap

Rave Hook Ends

### CARG2013/50/CTWS

- Safe load capacity: 2000kg
- Ultimate load capacity: 4000kg
- Ratchet buckle
- 50mm Webbing
- 1 Strap per wheel – all wheels to be secured
- Manufactured in accordance with BS EN12195-2:2001
- Webbing can be printed with company name / logo - subject to minimum order quantity
- wgt. 1.94kg



4000mm

## Bespoke Service Available

We can produce alternative units to suit customer specific requirements. Webbing can also be printed with your company name/logo. Subject to minimum order quantity.

**PLEASE CONTACT US FOR MORE INFORMATION.**

## Ratchet Strap – Heavy Duty

Rave Hook Ends

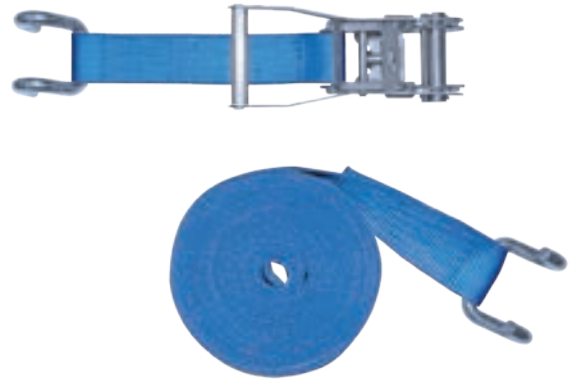
### CARG2624H

- Overall length: 8 Metre
- wgt. 2.34kg

- Safe load capacity: 2000kg
- Ultimate load capacity: 4000kg
- 50mm Webbing
- Rave hook ends
- Manufactured in accordance with BS EN12195-2:2001

### CARG2630H

- Overall length: 10 Metre
- wgt. 2.53kg



## Ratchet Strap – Heavy Duty

Flat 'J' Hook Ends

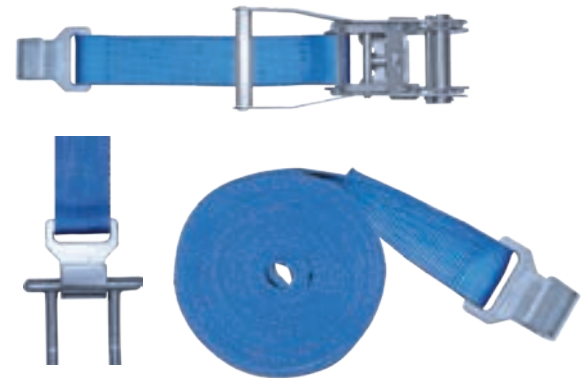
### CARG2624J

- Overall length: 8 Metre
- wgt. 2.34kg

- Safe load capacity: 2500kg
- Ultimate load capacity: 5000kg
- 50mm Webbing
- Flat 'J' hook ends – designed to be used in conjunction with AROP2525 – see page 181
- Manufactured in accordance with BS EN12195-2:2001

### CARG2630J

- Overall length: 10 Metre
- wgt. 2.53kg



Typically used in conjunction with AROP2525 lashing link

## Ratchet Strap – Heavy Duty

Claw Hook Ends

### CARG2624V

- Overall length: 8 Metre
- wgt. 2.34kg

- Safe load capacity: 2000kg
- Ultimate load capacity: 4000kg
- 50mm Webbing
- Claw hook ends
- Manufactured in accordance with BS EN12195-2:2001

### CARG2630V

- Overall length: 10 Metre
- wgt. 2.53kg

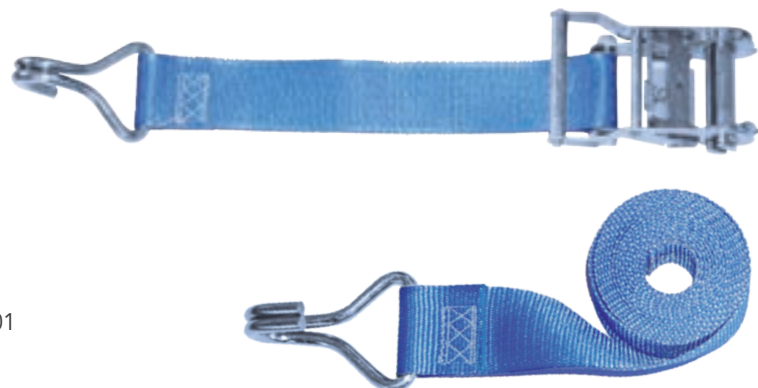


## Ratchet Strap – Medium Duty

Claw Hook Ends

### CARG1514B

- Overall length: 4.2 Metre
- Safe load capacity: 1000kg
- Ultimate load capacity: 2000kg
- 50mm Webbing
- Claw hook ends
- Manufactured in accordance with BS EN12195-2:2001
- wgt. 0.93kg



## Cushioned Rub Rail

Birch Plywood Core, PVC Vinyl Exterior

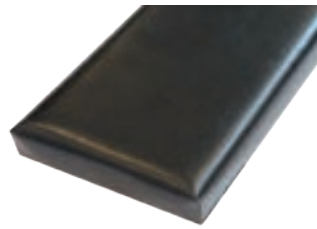
MISC7544/CRR

- L2440 x W75 x D44mm
- wgt. 2.50kg

MISC15044/CRR

- L2440 x W150 x D44mm
- wgt. 5.00kg

- Ideal to use when transporting fragile goods
- Foam bonded to birch plywood core
- Heavy duty PVC vinyl outer layer
- Fixing plates not included
- Other sizes available upon request



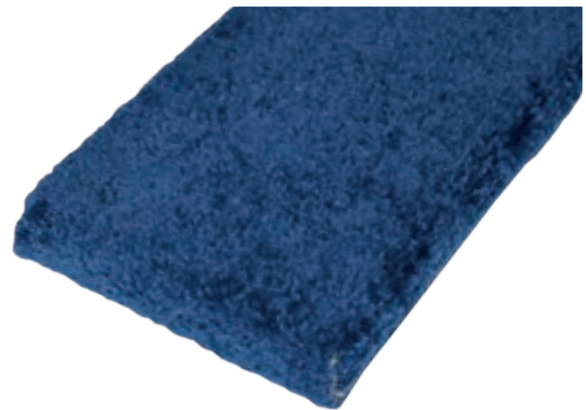
## Carpet Style Rub Rail

Plywood Core, Blue Carpet Exterior

MISC16525/CSRR

- L2455 x W165 x D25mm
- wgt. 3.00kg

- Ideal to use when transporting fragile goods
- Carpet bonded to birch plywood core
- Fixing plates not included
- Other sizes available upon request

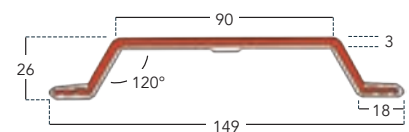
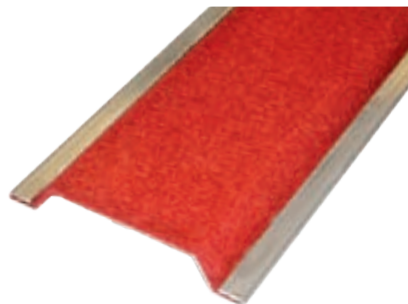


## Aluminium Tie Rail

Padded Profile

MISC14926/4000AL

- L4000 x W149 x D26mm
- 2mm Aluminium extrusion complete with red carpet style padding (approx. 3mm)
- Ideal for use when transporting fragile goods
- wgt. 4.10kg

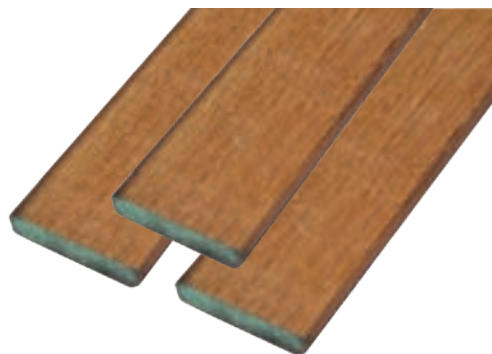


## Hardwood Tie Rail

'Keruing'

MISC6315/1213

- W63 x T15mm
- Durable 'keruing' hardwood (750kg/m<sup>3</sup>)
- Colour: pink / brown
- 'Pencil round edges'
- Available in mixed lengths: 3.6 – 3.9 Metres (12' – 13')
- wgt. 0.70kg per metre



## Standard Load Restraint Track

Galvanized

### CARG1805/3050/GV

- Length: 3050mm • wgt. 2.40kg

- W66 x D14mm
- Thickness: 1.50mm
- Holes:  $\varnothing$ 25mm
- $\varnothing$ 4.2mm Fixing holes

### CARG1805/4120/GV

- Length: 4120mm • wgt. 3.24kg

- Fits vertically or horizontally
- End cap to suit:  
CARG1805/EC – see below

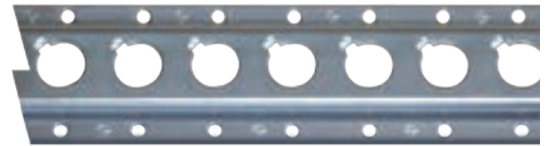


## Heavy-Duty Load Restraint Track

Zinc Plated

### CARG1806/3050/ZP

- L3050 x W82 x D15mm
- Thickness: 2.50mm
- Holes:  $\varnothing$ 25mm •  $\varnothing$ 6.5mm Fixing holes
- Fits vertically or horizontally with notch upwards
- End cap to suit: CARG1806/EC – see below
- wgt. 4.10kg

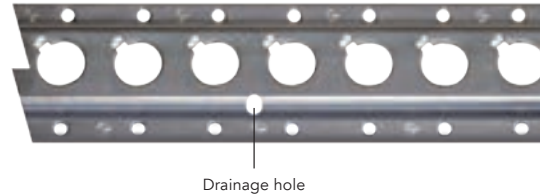


## Heavy-Duty Load Restraint Track

Stainless Steel

### CARG1806/3050/SS

- L3050 x W80 x D14mm
- Thickness: 2.00mm
- Holes:  $\varnothing$ 25mm •  $\varnothing$ 6.5mm Fixing holes
- Fits vertically or horizontally with drainage hole down
- End cap to suit: CARG1806/EC – see below
- wgt. 3.30kg



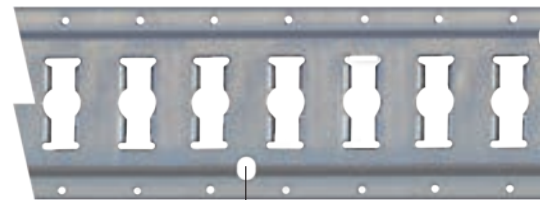
Drainage hole

## Heavy-Duty 'Universal' Load Restraint Track

Zinc Plated

### CARG1065/3050/ZP

- L3050 x W132 x D12mm
- Thickness: 2.50mm
- Holes:  $\varnothing$ 25mm • Slots: H61 x W20mm
- $\varnothing$ 5.2mm Fixing holes • Fits horizontally
- End cap to suit: CARG1065/EC – see below
- wgt. 6.30kg



Drainage hole

## Plastic End Caps

White Plastic

Suits CARG1805, CARG1806 & CARG1065 Tracks

### CARG1805/EC

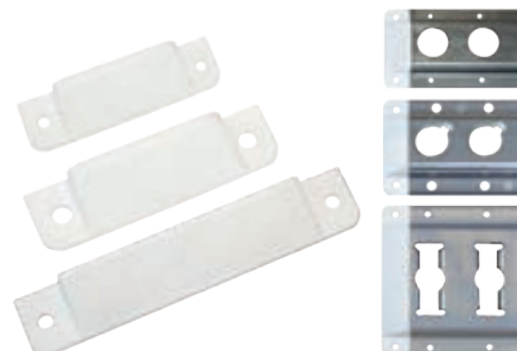
- Suits  
CARG1805/3050/GV  
CARG1805/4120/GV  
tracks
- wgt. 0.001kg

### CARG1806/EC

- Suits  
CARG1806/3050/ZP  
CARG1806/3050/SS  
tracks
- wgt. 0.001kg

### CARG1065/EC

- Suits  
CARG1065/3050/ZP  
track
- wgt. 0.002kg



## Lashing Rail Track

Aluminium Extrusion / PVC Covered

### CARG1990/3000/AL

- L3000 x W66 x D23mm
- Thickness: 2.00mm aluminium extrusion
- Bar centres: 120mm
- ø10mm Fixing holes
- Fits horizontally
- Ideal for furniture / removal vehicles
- Suits: CARG3309B, CARG3314B straps (page 191) & aluminium shoring poles (page 198)
- wgt. 4.09kg

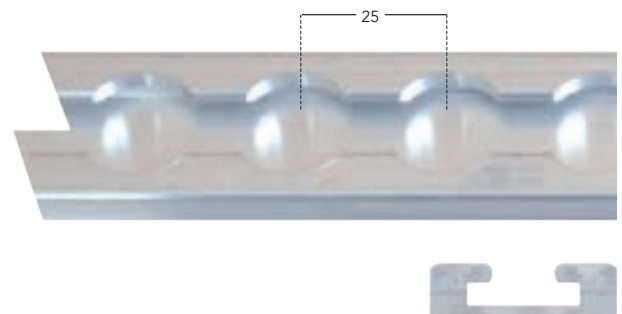


## Captive Track – Surface Mounted

Aluminium

### CARGCBF34A

- L3000 x W34 x D8.5mm
- Thickness: 2.50mm
- Holes: ø20mm
- Hole centres: 25mm
- For horizontal wall mounting or floor fixing
- wgt. 2.50kg



## Captive Track – Surface Mounted

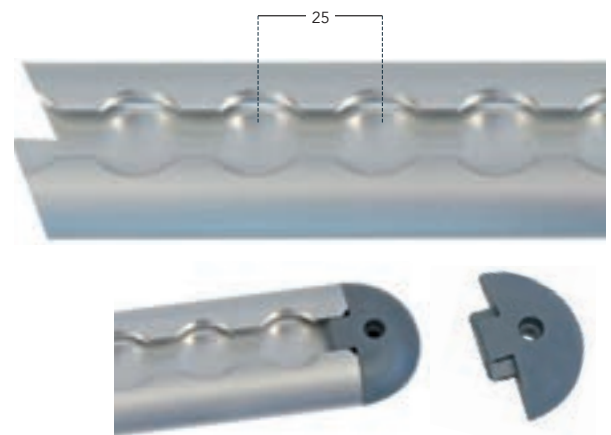
Aluminium

### CARGCBF42A

- L3000mm x W42mm x D9.5mm
- Thickness: 3.3mm
- Holes: ø20mm
- Hole centres: 25mm
- Un-drilled
- End cap to suit: CARGCBF42A/EC
- wgt. 1.86kg

### CARGCBF42A/EC

- Plastic End Cap
- 1 x 3.2mm Fixing hole
- Flush fitting
- Grey plastic
- Suits CARGCBF42A Captive track
- wgt. 0.001kg

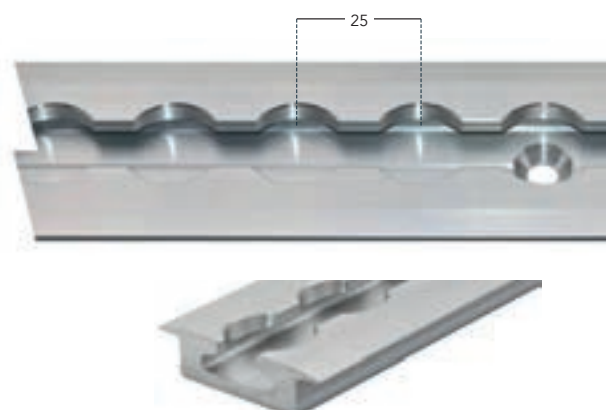


## Captive Track – Recessed

Zinc Plated

### CARGCBF46A

- L3000mm x W46mm x D11.5mm
- Thickness: 3.5mm
- Holes: ø20mm
- Hole centres: 25mm
- Pre-drilled mounting holes: ø6.5mm countersunk, 500mm centres
- wgt. 2.10kg

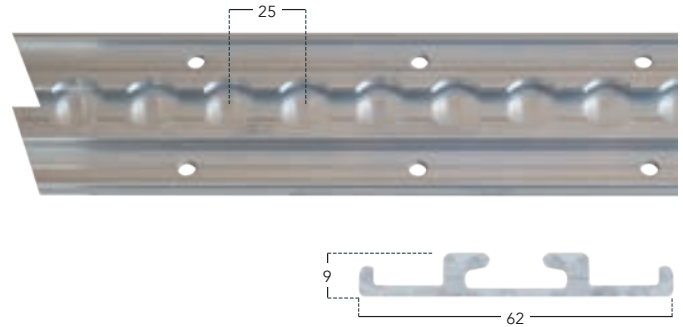


## Captive Track – Surface Mounted

Aluminium

### CARGCBF61A

- L2971 x W62 x D9mm
- Thickness: 2.50mm
- Holes:  $\varnothing$ 20mm
- Hole centres: 25mm
- $\varnothing$ 6mm Fixing holes
- For horizontal wall mounting or floor fixing
- wgt. 2.00kg



## Single Stud Fitting

Aluminium Body / Stainless Steel Ring

### REST25STF/18

- Ring:  $\varnothing$ 39 x  $\varnothing$ 5mm (inner dia. 29mm)
- Overall height: 33mm (not including ring)
- Suits **ALL** aluminium captive tracks
- wgt. 0.08kg



## Single Stud Fitting

Blue plastic body / stainless steel ring

### REST25/STF/BSS

- Ring:  $\varnothing$ 5 x 40mm O/D
- Overall height: 60mm
- Permissible tensile load: 500daN
- Suits **ALL** aluminium captive tracks
- wgt. 0.05kg



## Double Stud Fitting

Zinc Plated

### REST50CDSR/10

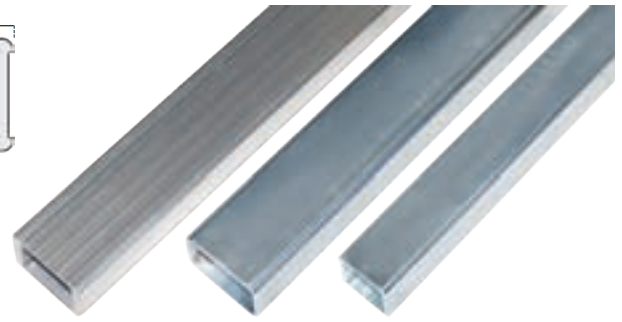
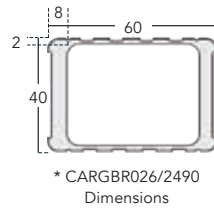
- Ring: L66 x  $\varnothing$ 7mm
- Overall height: 25mm
- Suits **ALL** aluminium captive tracks
- wgt. 0.15kg



## Load Bars

Aluminium & Mild Steel

- To be used in conjunction with CARG/CO load bars & cups – see below



| Part No.       | Material   | Finish      | Length (mm) | Width (mm) | Depth (mm) | Thickness (mm) | Maximum Uniform Distributed Load | Weight (kg) |
|----------------|------------|-------------|-------------|------------|------------|----------------|----------------------------------|-------------|
| CARGBR001/2490 | Mild Steel | Zinc Plated | 2490        | 40         | 40         | 4              | 2200kg                           | 9.38        |
| CARGBR009/2490 | Mild Steel | Zinc Plated | 2490        | 60         | 40         | 3              | 2900kg                           | 10.03       |
| CARGBR011/2490 | Mild Steel | Zinc Plated | 2490        | 60         | 40         | 4              | 3400kg                           | 12.82       |
| CARGBR026/2490 | Aluminium  | Mill        | 2490        | 60         | 40         | 2/8*           | 3400kg                           | 5.60        |

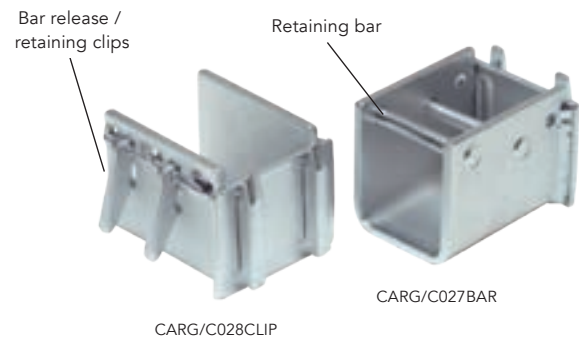
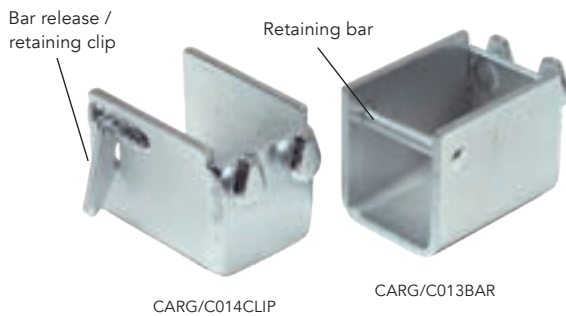
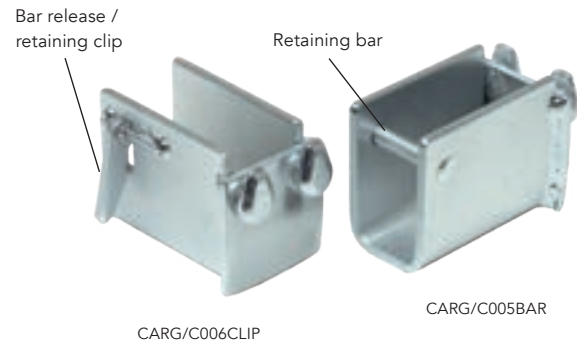
## Load Bar Cups

Zinc Plated

Heavy duty load bar cups are designed to be used in conjunction with the load bars listed above.

The load bar system is designed to provide load control in rigid sided vehicles, ie GRP boxes, trailers etc.

- Heavy duty mild steel
- Zinc plated
- Supplied individually
- Generally one clip and one bar type are used in tandem



| Part No.      | Suitable Track        | Suitable Load Bar (mm) | Additional Information        | Weight (kg) |
|---------------|-----------------------|------------------------|-------------------------------|-------------|
| CARG/C005BAR  | CARG1806/3050/ZP & SS | 40 x 40                | complete with retaining bar   | 1.35        |
| CARG/C006CLIP | CARG1806/3050/ZP & SS | 40 x 40                | complete with retaining clip  | 1.35        |
| CARG/C013BAR  | CARG1806/3050/ZP & SS | 60 x 40                | complete with retaining bar   | 1.39        |
| CARG/C014CLIP | CARG1806/3050/ZP & SS | 60 x 40                | complete with retaining clip  | 1.39        |
| CARG/C027BAR  | CARG1065/3050/ZP      | 60 x 40                | complete with retaining bar   | 1.55        |
| CARG/C028CLIP | CARG1065/3050/ZP      | 60 x 40                | complete with retaining clips | 1.55        |



## Round Telescopic Shoring Pole

Mild Steel – Zinc Plated

- ø42mm and ø44mm Main tubes
- Adjustable length
- Fits ø25mm round hole track – see page 194
- Spring loaded end
- Maximum load capacity 400kg, evenly distributed
- Other sizes available upon request



| Part No.        | Adjustable Length (mm) | Main Tube (mm) | Wall Thickness (mm) | Weight (kg) |
|-----------------|------------------------|----------------|---------------------|-------------|
| CARG13560/13017 | 1300 to 1700           | ø44            | 2.60                | 4.35        |
| CARG13560/17021 | 1700 to 2100           | ø44            | 2.60                | 6.00        |
| CARG13560/20525 | 2050 to 2550           | ø44            | 2.60                | 7.06        |
| CARG13560/23226 | 2320 to 2660           | ø42            | 2.75                | 8.47        |



ø24mm Round ends

## Round Telescopic Shoring Pole 40% LIGHTER THAN STEEL

Aluminium

- ø42mm Main tube
- Adjustable length
- Multi-purpose ø24mm round/slotted ends suit a range of tracks, including the CARG1990/3000/AL lashing rail track – see pages 194-195
- Spring loaded end
- Other sizes available upon request



CARG1990/3000/AL  
Aluminium lashing rail track



| Part No.            | Adjustable Length (mm) | Max Load                 | Wall Thickness (mm) | Weight (kg) |
|---------------------|------------------------|--------------------------|---------------------|-------------|
| CARG13560/13717/ALU | 1375 to 1750           | 200kg evenly distributed | 3                   | 3.50        |
| CARG13560/23827/ALU | 2385 to 2760           | 400kg evenly distributed | 5                   | 4.35        |



ø24mm round/slotted steel ends

## Square Telescopic Shoring Pole

Mild Steel – Zinc Plated

- W50 x D50 x T3mm - Box section
- Adjustable length
- Fits ø25mm round hole track – see page 194
- Spring loaded end
- Maximum load capacity: 1670kg (evenly distributed)
- Other sizes available upon request



CARG50503/H



| Part No.    | Adjustable Length (mm)              | Weight (kg) |
|-------------|-------------------------------------|-------------|
| CARG50503   | 2020 to 2590 without handles        | 10.50       |
| CARG50503/H | 2020 to 2590 with 2 x steel handles | 11.19       |

## Horsebox Partition Poles

Aluminium, Mild Steel (Zinc Plated) & Stainless Steel

**X-CARG/HBS/\*** Single spring loaded end

**X-CARG/HBD/\*** Double spring loaded ends

- Fits  $\varnothing 25\text{mm}$  round hole track – see page 194
- $\varnothing 44\text{mm} \times 2.6\text{mm}$  Wall thickness
- Available in aluminium, mild steel (zinc plated) & stainless steel – confirm when ordering
- Can be supplied with nylon inner section to reduce noise – request when ordering
- Manufactured to customers' own specification
- When ordering; track to track measurements are required

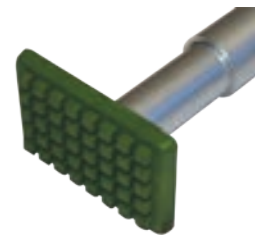


## Cargo Bar

Aluminium

**CARG002/22626/ALU**

- Adjustable length: 2265 to 2650mm
- Outer aluminium tube:  $\varnothing 38\text{mm}$
- Inner steel tube:  $\varnothing 31\text{mm}$
- Green moulded rubber feet: L105 x W67mm
- Can be installed by positioning between inner walls and closing down the handle to tension, thus securing between the panels
- Spring loaded end minimises panel flex
- Moulded rubber feet eliminate panel damage
- Designed to secure loads where load restraint track is not fitted
- wgt. 4.50kg



## Decking Bracket

Zinc Plated

**CARG1844**

- L80 x W48 x H65mm
- 6.4mm sidewall holes
- Suits CARG1806/3050/ZP & CARG1806/3050/SS tracks, see page 194
- wgt. 0.26kg



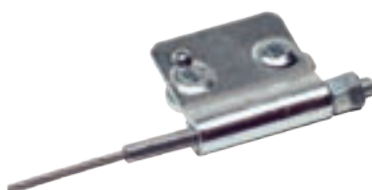
## Captive Wire System

Wall Mounted or Track Mounted

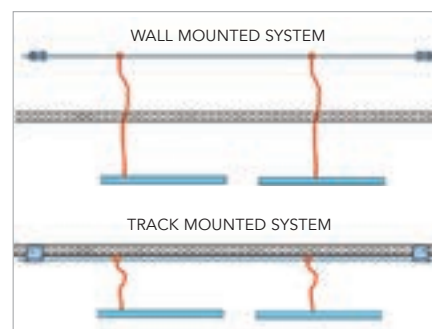
- Eliminates theft or loss of equipment
- Can be used in conjunction with load bars, shoring poles, load bar cups or load restraint straps
- On the Wall Mounted System the main captive wire is fitted at the highest point possible on the trailer wall and is held in place by the wall mounted fixing bracket
- On the Track Mounted System the main captive wire is fitted into a bracket which fits directly into the load restraint track
- Brackets for the track mounted system are available for most types of track
- The load retention equipment is connected to the main wire by plastic covered wire ropes
- Captive systems for retaining equipment in vehicles only work efficiently if they are totally free running. The system is designed to ensure there is no possible way the wires can foul or stick
- Both systems can be fitted on new vehicles or as a retrofit
- When ordering, please confirm the following:
  - Type of equipment, ie shoring poles, load restraint straps, etc.
  - Length of vehicle
  - Height of load restraint track



Wall mounted  
fixing bracket



Track mounted  
fixing bracket

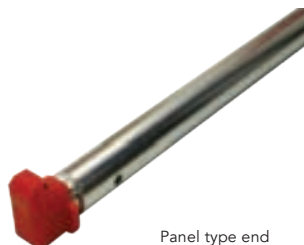


## Garment Rail

Track & Panel Type

### X-CARG/GARM/PT Panel type

- Manufactured to suit garment rail panels
- Can be supplied with or without hanger trap bar
- $\varnothing 33.7\text{mm}$  (outer dia.) x 4mm Wall thickness
- Zinc plated
- When ordering please confirm the panel to panel measurement



Panel type end



Track type end

### X-CARG/GARM/TT Track type

- Manufactured to suit most types of load restraint track
- Can be supplied with or without hanger trap bar
- When required to fit CARG1806 tracks (page 194), a pin can be added to fit into the notch at 11 o'clock to stop the pole rotating
- $\varnothing 33.7\text{mm}$  (outer dia.) x 4mm Wall thickness
- Zinc plated
- When ordering please confirm the track to track measurement

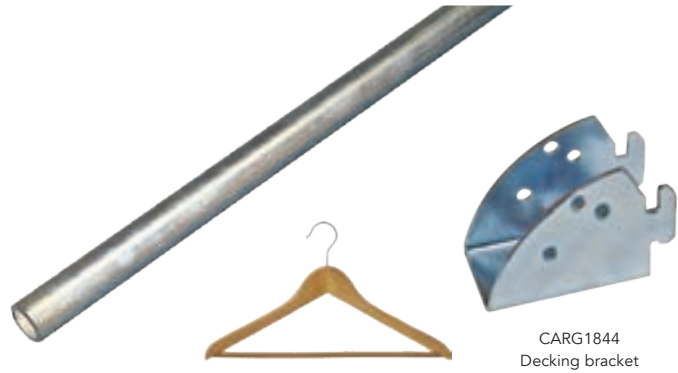


Can be supplied with or  
without hanger trap bar

## Garment Rail Pole Only

LKGR34/2440ZP

- L2440 x ø34mm
- 4mm Wall thickness
- Mild steel
- Zinc plated
- To be used in conjunction with CARG1844 decking bracket – see page 199
- wgt. 6.62kg



## Car Transporter Decking Planks

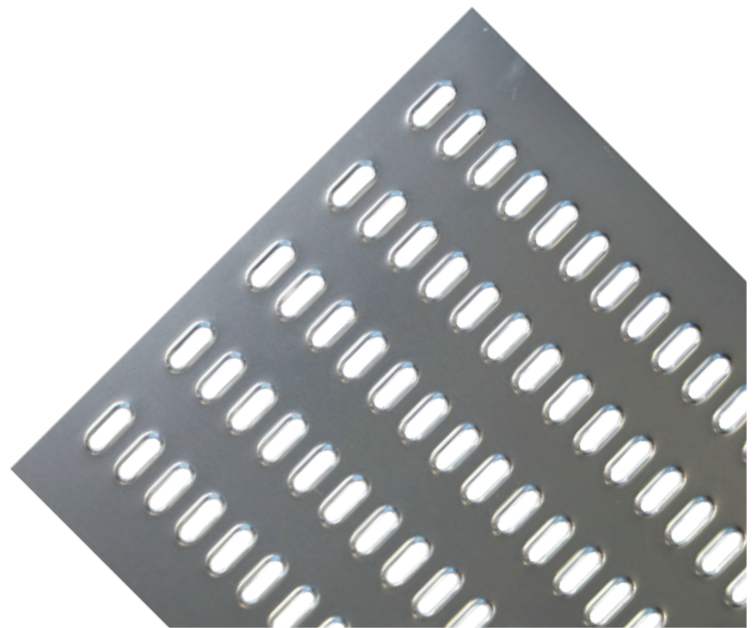
Aluminium & Steel

CARG82/A

- L2500 x W610 x T3.0mm
- Mill Finish Aluminium
- Hole pitch:  
horizontal 105mm  
vertical 50mm
- wgt. 10.50kg

CARG82/S

- L2500 x W610 x T2.5mm
- Self colour steel
- Hole pitch:  
horizontal 105mm  
vertical 50mm
- wgt. 26.00kg
- Other sizes and configurations available upon request



## J-Wing Premium/Highgard Single Arch & Flat Top Mudguard Range

Listed by Tyre Size

All Part No's are prefixed by WNGP. See pages 204-207 for dimensions



| Tyre Size | Single Arch    |                       | Flat Top     |                |
|-----------|----------------|-----------------------|--------------|----------------|
|           | Single Wheel   | Twin Wheel            | Single Wheel | Twin Wheel     |
|           | Part No.       |                       | Part No.     |                |
| 5.60R12   | 01SE           | -----                 | -----        | -----          |
| 155/70R12 | 01SE           | -----                 | -----        | -----          |
| 155R13    | 01SE           | -----                 | -----        | -----          |
| 155/70R13 | 01SE           | -----                 | -----        | -----          |
| 165R13    | 01SE           | -----                 | -----        | -----          |
| 165/70R13 | 01SE           | -----                 | -----        | -----          |
| 175/R13   | 01SE           | -----                 | -----        | -----          |
| 175/70R13 | 01SE           | -----                 | -----        | -----          |
| 185/70R13 | 01SE           | -----                 | -----        | -----          |
| 195/70R13 | 01SE           | -----                 | -----        | -----          |
| 6.70R13   | 01             | 19A                   | 05F          | 27F            |
| 165 R14   | 01SE           | 19A                   | 05F          | 25SF, 27F      |
| 165/75R14 | 01SE           | 19A                   | -----        | 25SF, 27F      |
| 175 R14   | 01SE           | 19A, 22A,<br>22A/HL   | 05F          | 25SF, 27F      |
| 175/75R14 | 01SE           | 19A, 22A              | -----        | 25SF, 27F      |
| 185 R14   | 01, 09, 09/HL  | 22A, 22A/HL           | 05F          | 25SF, 27F      |
| 185/75R14 | 01, 01SE,      | 22A, 22A/HL           | 05F          | 25SF, 27F      |
| 195 R14   | 01, 09         | 27                    | -----        | -----          |
| 195/75R14 | 01, 09         | 27                    | -----        | 25SF, 27F      |
| 205 R14   | 06C            | 28, 33, 33/HL         | -----        | 25SF, 27F, 37F |
| 205/75R14 | 06C            | 28, 33, 33/HL         | -----        | 25SF, 27F, 37F |
| 215 R14   | 06C            | 33, 33/HL             | X06F         | X37F           |
| 215/75R14 | 06C            | 33, 33/HL             | X06F         | X37F           |
| 6.70R14   | 06C, 01        | 19A, 22A              | -----        | 25SF, 27F      |
| 185 R15   | 01             | 22A, 22A/HL           | 05F          | 25SF, 27F      |
| 195/70R15 | 01SE, 09, 9/HL | 27                    | 05F          | -----          |
| 6.70R15   | 01             | 22A                   | 05F          | 25SF, 27F      |
| 205/65R15 | 01SE           | -----                 | -----        | -----          |
| 205/70R15 | 06C, 01SE      | 27                    | X06F         | -----          |
| 215 R15   | 06C            | 27                    | -----        | -----          |
| 225/70R15 | 09, 09/HL      | 27                    | X06F         | -----          |
| 225/75R15 | 06C            | 33, 33/HL             | -----        | -----          |
| 205/80R15 | 06C, 09, 09/HL | 27, 33, 33/HL         | X06F         | 27F, X37F      |
| 235/75R15 | 06C            | 39B, 39B/HL           | -----        | -----          |
| 255/75R15 | 06C            | 43B, 43D/HL           | -----        | -----          |
| 265/70R15 | 19A            | 43B, 43D/HL           | -----        | -----          |
| 7.00R15   | 06C, 09, 09/HL | 22A, 27, 28           | X06F         | 28F            |
| 7.50R15   | 06C, 09, 12    | 28, 33, 33/HL         | -----        | 28F, X37F      |
| 8.25 R15  | -----          | 39B, 33/HL,<br>39B/HL | 41F          | X37F           |
| 10.00R15  | 12             | 43B, 43D/HL,<br>2B/HL | -----        | 43F            |
| 17 R400   | 01, 06C        | 22A                   | X06F, 05F    | 25SF, 27F      |
| 19 R400   | 06C            | 28                    | X06F         | 25SF, 27F, 28F |

| Tyre Size   | Single Arch          |                         | Flat Top     |            |
|-------------|----------------------|-------------------------|--------------|------------|
|             | Single Wheel         | Twin Wheel              | Single Wheel | Twin Wheel |
|             | Part No.             |                         | Part No.     |            |
| 175 R16     | 01                   | 22A, 22A/HL             | X06F, 05F    | 25SF, 27F  |
| 175/75R16   | 01                   | 22A, 22A/HL             | X06F         | 25SF, 27F  |
| 185 R16     | 06C                  | 22A, 22A/HL, 27         | X06F         | 25SF, 27F  |
| 185/75R16   | 06C                  | 22A, 22A/HL, 27         | X06F         | 25SF, 27F  |
| 195 R16     | 06C                  | 22A, 22A/HL, 27         | X06F         | 25SF, 27F  |
| 195/75R16   | 06C                  | 27                      | X06F         | 25SF, 27F  |
| 205 R16     | 06C                  | 28, 39C, 33,<br>33/HL   | X06F         | X37F, 28F  |
| 205/75R16   | 06C                  | 28, 39C, 33,<br>33/HL   | X06F         | X37F, 28F  |
| 215 R16     | 06C                  | 39C, 33, 33/HL          | X06F         | X37F       |
| 215/75R16   | 06C                  | 33, 39C, 33/HL          | X06F         | X37F       |
| 225/75R16   | 06C                  | 39B, 39B/HL             | X06F         | X37F       |
| 6.00R16     | 06C                  | 22A, 22A/HL             | X06F         | 27F        |
| 6.50R16     | 06C                  | 22A, 22A/HL             | X06F         | 28F        |
| 7.00R16     | 06C                  | 28                      | -----        | 28F        |
| 7.50R16     | 06C, 12              | 28, 33, 28/HL,<br>33/HL | -----        | 28F        |
| 8.25R16     | 19A, 22A,<br>22A/HL  | 33, 34, 39B,<br>33/HL   | -----        | X37F       |
| 9.00R16     | -----                | 39, 39/HL               | -----        | 41F        |
| 11.00R16    | 12, 24A              | -----                   | -----        | -----      |
| 8.25R17     | -----                | 34                      | -----        | 41F        |
| 7R17.5      | 06C                  | 28                      | X06F         | 28F        |
| 8R17.5      | 06C, 12              | 28                      | -----        | X37F       |
| 8.5R17.5    | 06C                  | 28, 33, 28/HL           | -----        | 28F, X37F  |
| 9.5R17.5    | 12                   | 3B, 39B/HL              | -----        | 41F        |
| 10R17.5     | -----                | 39B, 39B/HL             | -----        | 41F        |
| 205/75R17.5 | 06C                  | 28, 33                  | X06F         | 28F, X37F  |
| 215/75R17.5 | 06C                  | 33, 33/HL               | -----        | X37F, 41F  |
| 225/75R17.5 | 06C                  | 33, 39B                 | -----        | 41F        |
| 235/75R17.5 | 06C                  | 39B, 39B/HL             | -----        | 41F        |
| 245/70R17.5 | 06C                  | 39B, 39B/HL             | -----        | 41F        |
| 265/70R17.5 | -----                | 43B                     | -----        | -----      |
| 8R19.5      | 06C, 12              | 29                      | -----        | 28F        |
| 9.00R19.5   | 12                   | 39B, 39B/HL             | -----        | 41F        |
| 9.50R19.5   | 12                   | 39                      | -----        | 41F        |
| 245/70R19.5 | -----                | 39B, 39B/HL             | -----        | 41F        |
| 265/70R19.5 | 12                   | 43B, 43D/HL             | -----        | 43F        |
| 285/70R19.5 | -----                | 43B, 43D/HL             | -----        | 43F        |
| 385/55R19.5 | 29, 33, 34,<br>33/HL | -----                   | -----        | -----      |
| 385/65R19.5 | 31, 24A              | -----                   | -----        | -----      |
| 305/70R19.5 | 24A                  | 47B, 45B/HL             | -----        | -----      |

## J-Wing Premium/Highgard Single Arch & Flat Top Mudguard Range

Listed by Tyre Size

All Part No's are prefixed by WNGP. See pages 204-207 for dimensions



| Tyre Size   | Single Arch                    |                          | Flat Top     |            |
|-------------|--------------------------------|--------------------------|--------------|------------|
|             | Single Wheel                   | Twin Wheel               | Single Wheel | Twin Wheel |
|             | Part No.                       |                          | Part No.     |            |
| 425/55R19.5 | 34                             | -----                    | -----        | -----      |
| 445/45R19.5 | 34                             | -----                    | -----        | -----      |
| 445/55R19.5 | 34, 35                         | -----                    | -----        | -----      |
| 445/65R19.5 | 38C, 38C/HL                    | -----                    | -----        | -----      |
| 18 R19.5    | 38C, 38C/HL                    | -----                    | -----        | -----      |
| 6.5R20      | -----                          | 29                       | -----        | -----      |
| 7.00R20     | -----                          | 29                       | -----        | 28F        |
| 7.50R20     | 12                             | 29, 34                   | -----        | 28F, X37F  |
| 8.25R20     | -----                          | 35, 39                   | -----        | 41F        |
| 9.00R20     | -----                          | 39, 41, 39/HL            | -----        | 43F        |
| 10.00R20    | -----                          | 41, 42, 43A, 43A/HL      | -----        | 43F        |
| 10.5R20     | 24A, 26A/HL                    | -----                    | -----        | -----      |
| 11.00R20    | 24B, 31, 26A/HL                | 45A, 45A/HL              | -----        | -----      |
| 12.00R20    | -----                          | 43A, 43A/HL, 45A, 45A/HL | -----        | -----      |
| 12.5R20     | 24B, 26A/HL, 24A               | -----                    | -----        | -----      |
| 13 R20      | 24B, 26A/HL, 30C/HL, 31/HL     | -----                    | -----        | -----      |
| 14.00R20    | 30C/HL, 31/HL                  | -----                    | -----        | -----      |
| 365/80R20   | 24B, 26A/HL                    | -----                    | -----        | -----      |
| 375/75R20   | 26A/HL                         | -----                    | -----        | -----      |
| 405/70R20   | 30, 30C/HL, 31                 | -----                    | -----        | -----      |
| 14/80R20    | 24B, 31, 31/HL, 26A/HL, 30C/HL | -----                    | -----        | -----      |
| 14.50R20    | 30C, 30C/HL, 31, 31/HL         | -----                    | -----        | -----      |
| 14.75/89R20 | 30C, 30C/HL, 31, 31/HL         | -----                    | -----        | -----      |
| 15.5/80R20  | 38C, 38C/HL                    | -----                    | -----        | -----      |
| 11.00R22    | 24B, 26A/HL                    | 43A, 43A/HL              | -----        | -----      |
| 8R22.5      | 12                             | 29, 35, 33/HL            | -----        | 28F, X37F  |
| 9R22.5      | -----                          | 35                       | -----        | 41F        |
| 10R22.5     | -----                          | 39, 41, 39/HL, 45E/HL    | -----        | 43F        |
| 10/70R22.5  | -----                          | 39, 41                   | -----        | 43F        |
| 255/70R22.5 | -----                          | -----                    | -----        | 41F        |
| 11 R22.5    | -----                          | 42,43A, DV45, 43A/HL     | -----        | 43F        |

| Tyre Size   | Single Arch                  |                               | Flat Top     |            |
|-------------|------------------------------|-------------------------------|--------------|------------|
|             | Single Wheel                 | Twin Wheel                    | Single Wheel | Twin Wheel |
|             | Part No.                     |                               | Part No.     |            |
| 11/70R22.5  | -----                        | 43D/HL                        | -----        | 43F        |
| 275/70R22.5 | 12                           | 43A, 43D/HL                   | -----        | 43F        |
| 275/80R22.5 | -----                        | 43A, 43A/HL, 45B/HL           | -----        | 43F        |
| 285/60R22.5 | 24A                          | 43D/HL                        | -----        | -----      |
| 285/70R22.5 | -----                        | 43B                           | -----        | -----      |
| 295/60R22.5 | 24A                          | -----                         | -----        | -----      |
| 295/70R22.5 | -----                        | 45B, 45B/HL                   | -----        | 46F        |
| 295/80R22.5 | 24C                          | 45A, 45AHL, 45B/HL            | -----        | 46F        |
| 12R22.5     | -----                        | 45A, DV45, 45A/HL, 47, 47A/HL | -----        | 46F        |
| 365/80R22.5 | 26AB/HL                      | -----                         | -----        | -----      |
| 305/60R22.5 | 24A                          | 47B                           | -----        | -----      |
| 12/80R22.5  | -----                        | 43D/HL, 45A, 45A/HL           | -----        | -----      |
| 315/60R22.5 | 24A                          | 47B                           | -----        | -----      |
| 315/70R22.5 | 24A                          | -----                         | -----        | -----      |
| 315/80R22.5 | -----                        | 47, 47/HL                     | -----        | 46F        |
| 13R22.5     | 23, 25                       | 48, 47, 47/HL                 | -----        | -----      |
| 385/55R22.5 | 24A                          | -----                         | -----        | -----      |
| 385/65R22.5 | 24B, 24C, 31/HL, 26A/HL      | -----                         | -----        | -----      |
| 15R22.5     | 24A, 24B, 31C, 31/HL, 26A/HL | -----                         | -----        | -----      |
| 16.5R22.5   | 30C, 31, 30C/HL, 31/HL       | -----                         | -----        | -----      |
| 425/65R22.5 | 31, 31/HL                    | -----                         | -----        | -----      |
| 445/65R22.5 | 38C, 38C/HL                  | -----                         | -----        | -----      |
| 495/45R22.5 | 39                           | -----                         | -----        | -----      |
| 18R22.5     | 38C, 38C/HL                  | -----                         | -----        | -----      |
| 11R24       | -----                        | 47, 47/HL                     | -----        | -----      |
| 12.00R24    | -----                        | 47, 47/HL                     | -----        | -----      |
| 305/75R24   | -----                        | 47, 48, 47/HL                 | -----        | -----      |
| 14.5R24     | 30C, 30C/HL                  | -----                         | -----        | -----      |
| 405/70R24   | 30C                          | -----                         | -----        | -----      |
| 455/70R24   | 38C                          | -----                         | -----        | -----      |
| 11R24.5     | 24B, 26A/HL                  | 45A/HL, 47/HL                 | -----        | -----      |
| 285/75R24.5 | 24B, 26A/HL                  | 45A/HL, 26A/HL                | -----        | -----      |

## J-Wing Series – Available in Single Arch, Flat Top, Spats & Tandem Mudguards

J-Wing is Jonesco's original and largest range of rotationally moulded mudguards & spats, one of the most comprehensive on the market. Featuring a gloss finish manufactured from fully recyclable black PVC

- Gloss finish
- Fully recyclable, chemical resistant and UV resistant
- Widely fitted as 'original' equipment
- Robust & impact resistant
- Supplied in pairs



J-Wing series premium plastic single arch mudguards listed by part number

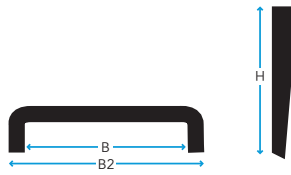
| Part No.  | B<br>Int. width (mm) | B2<br>Ext. width (mm) | R<br>Radius (mm) | L<br>Length (mm) | S<br>Span (mm) | H<br>Height (mm) | Weight<br>(pair – kg) |
|-----------|----------------------|-----------------------|------------------|------------------|----------------|------------------|-----------------------|
| WNGP01    | 195                  | 200                   | 410              | 1370             | 830            | 450              | 1.99                  |
| WNGP01SE* | 215                  | 220                   | 375              | 1210             | 750            | 390              | 2.24                  |
| WNGP06C   | 255                  | 270                   | 470              | 1600             | 950            | 530              | 3.30                  |
| WNGP09    | 270                  | 290                   | 410              | 1280             | 815            | 410              | 3.09                  |
| WNGP12    | 285                  | 300                   | 550              | 1730             | 1110           | 550              | 4.85                  |
| WNGP19A   | 380                  | 400                   | 410              | 1370             | 820            | 450              | 4.41                  |
| WNGP22A   | 405                  | 425                   | 440              | 1430             | 880            | 480              | 4.85                  |
| WNGP23    | 360                  | 380                   | 670              | 2140             | 1340           | 690              | 6.30                  |
| WNGP24A   | 405                  | 425                   | 580              | 1930             | 1160           | 635              | 7.06                  |
| WNGP24B   | 405                  | 425                   | 640              | 1950             | 1305           | 610              | 7.06                  |
| WNGP24C   | 410                  | 430                   | 645              | 2080             | 1300           | 670              | 6.87                  |
| WNGP25    | 380                  | 400                   | 670              | 2140             | 1340           | 690              | 7.50                  |
| WNGP27    | 455                  | 475                   | 430              | 1430             | 860            | 480              | 4.96                  |
| WNGP28    | 455                  | 475                   | 480              | 1650             | 960            | 560              | 6.07                  |
| WNGP29    | 455                  | 475                   | 510              | 1650             | 1050           | 560              | 6.17                  |
| WNGP30C   | 455                  | 475                   | 650              | 2080             | 1300           | 685              | 8.20                  |
| WNGP31    | 440                  | 460                   | 640              | 1900             | 1280           | 580              | 6.59                  |
| WNGP33    | 485                  | 505                   | 510              | 1650             | 1020           | 560              | 6.00                  |
| WNGP34    | 485                  | 505                   | 530              | 1790             | 1060           | 585              | 6.63                  |
| WNGP35    | 485                  | 505                   | 580              | 1790             | 1160           | 560              | 6.63                  |
| WNGP38C   | 510                  | 530                   | 650              | 2080             | 1300           | 685              | 8.82                  |
| WNGP39    | 530                  | 550                   | 615              | 1930             | 1230           | 610              | 8.05                  |
| WNGP39B   | 530                  | 550                   | 510              | 1680             | 1020           | 545              | 7.17                  |
| WNGP39C   | 530                  | 550                   | 435              | 1350             | 860            | 430              | 6.07                  |
| WNGP41    | 560                  | 580                   | 640              | 1930             | 1270           | 585              | 9.26                  |
| WNGP42    | 580                  | 600                   | 640              | 1930             | 1285           | 610              | 9.70                  |
| WNGP43A   | 610                  | 630                   | 640              | 1930             | 1270           | 610              | 10.14                 |
| WNGP43B   | 610                  | 630                   | 550              | 1830             | 1100           | 585              | 9.15                  |
| WNGP44    | 610                  | 630                   | 660              | 2090             | 1320           | 660              | 10.36                 |
| WNGP45A   | 650                  | 670                   | 650              | 2060             | 1315           | 660              | 11.25                 |
| WNGPDV45  | 650                  | 670                   | 600              | 1930             | 1200           | 640              | 9.50                  |
| WNGP45B   | 640                  | 660                   | 635              | 1900             | 1285           | 590              | 11.25                 |
| WNGP45C   | 640                  | 660                   | 615              | 1900             | 1230           | 600              | 9.92                  |
| WNGP47    | 670                  | 690                   | 690              | 2110             | 1400           | 660              | 12.13                 |
| WNGP47B   | 670                  | 690                   | 535              | 1700             | 1070           | 540              | 10.25                 |
| WNGP48    | 710                  | 730                   | 650              | 2030             | 1300           | 650              | 12.13                 |

\*Flat sided to allow fitting directly to vehicle body.



## J-Wing Series – Spats

- Gloss finish
- Fully recyclable, chemical resistant & UV resistant
- Widely fitted as 'original' equipment
- Robust & impact resistant
- Supplied in pairs



'SP' Range

| Part No.          | B<br>Int. width (mm) | B2<br>Ext. width (mm) | H<br>Height (mm) | Weight<br>(pair – kg) |
|-------------------|----------------------|-----------------------|------------------|-----------------------|
| <b>'SP' RANGE</b> |                      |                       |                  |                       |
| WNGMSP450         | 440                  | 450                   | 410              | 2.00                  |
| WNGMSP650         | 640                  | 650                   | 600              | 4.30                  |
| <b>'L' RANGE</b>  |                      |                       |                  |                       |
| WNGML28           | 265                  | 280                   | 380              | 1.10                  |
| WNGML43           | 425                  | 440                   | 420              | 1.23                  |
| WNGML46           | 445                  | 460                   | 600              | 1.48                  |
| WNGML54           | 525                  | 540                   | 500              | 1.34                  |
| WNGML61           | 625                  | 640                   | 500              | 1.78                  |
| WNGML66           | 645                  | 660                   | 600              | 1.60                  |



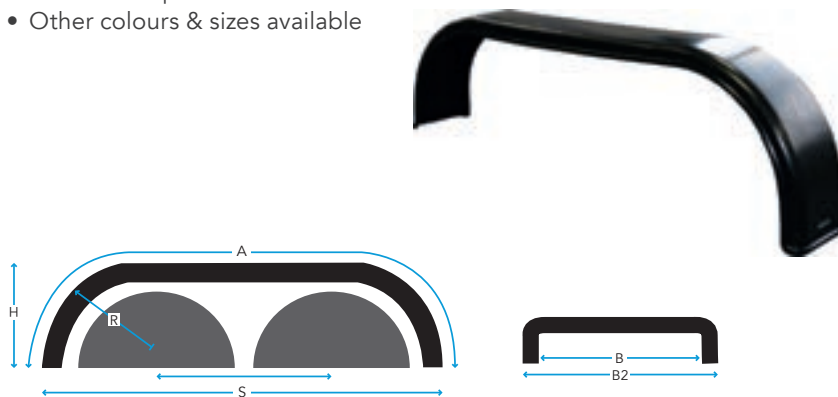
'L' Range

This product is a variation on the theme of a mudguard and a flap, it can therefore be fitted with both these regulations in mind

## J-Wing Series – Small Trailer Tandem Mudguards



- One-piece moulding designed to fit over 2 axles
- Ideal for horse boxes, cattle trucks, utility trailers etc.
- Supplied in pairs
- Gloss finish
- Robust & impact resistant
- Other colours & sizes available

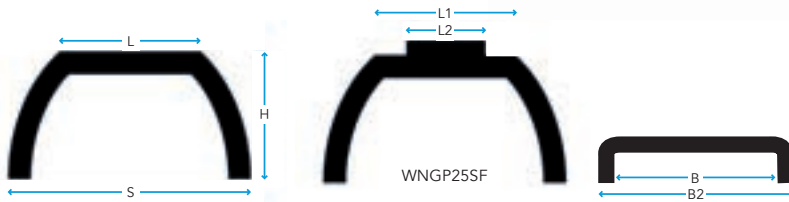


| Part No.   | B<br>Int. width (mm) | B2<br>Ext. width (mm) | R<br>Radius (mm) | A<br>Length (mm) | S<br>Span (mm) | H<br>Height (mm) | Weight<br>(pair – kg) | Suitable Tyre Size  |
|------------|----------------------|-----------------------|------------------|------------------|----------------|------------------|-----------------------|---|
| WNGPJT2082 | 205                  | 215                   | 355              | 825              | 1540           | 450              | 4.00                  | 6.70R13, 165R14, 175R15, 195R14                           |
| WNGPJT2086 | 200                  | 210                   | 445              | 860              | 1750           | 530              | 4.91                  | 6.70R15, 6.00R16, 6.50R16, 175R16, 185R15, 195R16, 205R16 |



## J-Wing Series – Flat Top Mudguards

- Gloss finish
- Fully recyclable, chemical resistant & UV resistant
- Widely fitted as 'original' equipment
- Durable & robust
- Supplied in pairs



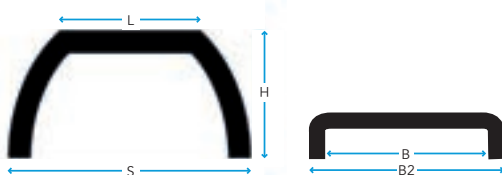
| Part No. | B<br>Int. width (mm) | B2<br>Ext. width (mm) | L<br>Length (mm)     | S<br>Span (mm) | H<br>Height (mm) | Weight<br>(pair – kg) |
|----------|----------------------|-----------------------|----------------------|----------------|------------------|-----------------------|
| WNGP05F  | 200                  | 220                   | 490                  | 890            | 480              | 3.20                  |
| WNGP25SF | 410                  | 430                   | L1 - 665<br>L2 - 500 | 880            | 450<br>110       | 5.90                  |
| WNGP27F  | 450                  | 470                   | 500                  | 880            | 450              | 6.30                  |
| WNGP28F  | 450                  | 470                   | 500                  | 1000           | 525              | 6.00                  |
| WNGP36F  | 450                  | 470                   | 700                  | 1320           | 710              | 10.60                 |
| WNGP41F  | 550                  | 570                   | 630                  | 1130           | 550              | 9.05                  |
| WNGP43F  | 600                  | 620                   | 700                  | 1250           | 625              | 11.90                 |
| WNGP46F  | 650                  | 670                   | 750                  | 1360           | 720              | 13.34                 |

## XGard Series – Flat Top Mudguards



XGard range features a matt textured finish that minimises surface scratches along with a ribbed design for added strength. Manufactured from fully recyclable black PVC.

- Matt textured finish, minimises surface scratches
- Ribbed design for added strength
- Fully recyclable, chemical resistant & UV resistant
- Widely fitted as 'original' equipment
- Durable & robust
- Supplied in pairs

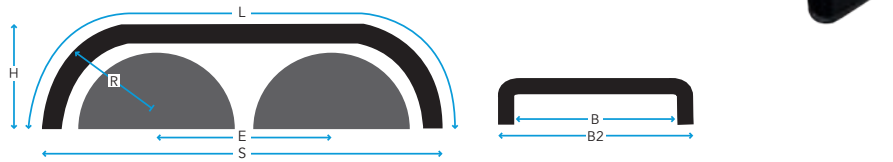


| Part No. | B<br>Int. width (mm) | B2<br>Ext. width (mm) | L<br>Length (mm) | S<br>Span (mm) | H<br>Height (mm) | Weight<br>(pair – kg) |
|----------|----------------------|-----------------------|------------------|----------------|------------------|-----------------------|
| WNGPX06F | 260                  | 275                   | 400              | 895            | 480              | 4.19                  |
| WNGPX37F | 500                  | 515                   | 400              | 1000           | 550              | 8.38                  |



## XGard Series – Large Tandem Mudguards

- One-piece moulding designed to fit over 2 axles
- Matt textured finish and 3 ribs for extra strength
- Standard fitment methods
- Supplied in pairs
- Widely fitted as 'original' equipment
- Durable & robust
- Other colours and sizes available



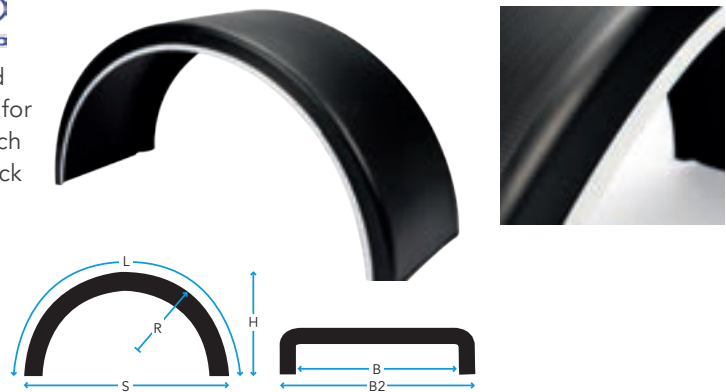
| Part No.   | B<br>Int. width<br>(mm) | B2<br>Ext. width<br>(mm) | R<br>Radius<br>(mm) | L<br>Radius<br>(mm) | S<br>Span<br>(mm) | H<br>Height<br>(mm) | E<br>Axel<br>Centres<br>(mm) | Weight<br>(pair – kg) | Suitable Tyre Size   |
|------------|-------------------------|--------------------------|---------------------|---------------------|-------------------|---------------------|------------------------------|-----------------------|--|
| WNGPJT650N | 650                     | 670                      | 635                 | 3385                | 2670              | 620                 | 1400                         | 20.75                 | 11.00R20 E20,<br>12/80R22.5, 13R22.5,<br>315/80R22.5, 12.00R22.5 |

## HighGard Plastic Range



The HighGard range features a unique patterned textured finish that minimises surface scratches. A light silver edge for improved visibility is a standard feature on one-side of each mudguard. Manufactured from extruded high-density black polyethylene, offering superior durability & performance.

- Patterned textured finish, minimises surface scratches
- Light silver edge for improved visibility
- Fully recyclable, chemical resistant & UV resistant
- Widely fitted as 'original' equipment
- Durable & robust • Supplied in pairs



| Part No.   | B<br>Int. width (mm) | B2<br>Ext. width (mm) | R<br>Radius (mm) | L<br>Length (mm) | S<br>Span (mm) | H<br>Height (mm) | Weight<br>(pair – kg) |
|------------|----------------------|-----------------------|------------------|------------------|----------------|------------------|-----------------------|
| WNGP09/HL  | 280                  | 290                   | 410              | 1280             | 815            | 410              | 2.50                  |
| WNGP22A/HL | 420                  | 430                   | 440              | 1380             | 880            | 440              | 3.25                  |
| WNGP26A/HL | 420                  | 430                   | 635              | 1900             | 1270           | 585              | 5.25                  |
| WNGP28/HL  | 450                  | 460                   | 480              | 1500             | 860            | 480              | 5.25                  |
| WNGP30C/HL | 450                  | 460                   | 640              | 2050             | 1280           | 660              | 5.25                  |
| WNGP31/HL  | 450                  | 460                   | 640              | 1930             | 1280           | 600              | 5.40                  |
| WNGP31A/HL | 450                  | 460                   | 590              | 1855             | 1180           | 590              | 4.90                  |
| WNGP33/HL  | 485                  | 495                   | 510              | 1600             | 1020           | 510              | 5.20                  |
| WNGP35/HL  | 485                  | 495                   | 600              | 1840             | 1260           | 530              | 5.40                  |
| WNGP38C/HL | 510                  | 520                   | 660              | 2050             | 1320           | 685              | 6.70                  |
| WNGP39/HL  | 530                  | 540                   | 615              | 1930             | 1230           | 610              | 5.60                  |
| WNGP39B/HL | 530                  | 540                   | 510              | 1610             | 1020           | 515              | 5.75                  |
| WNGP43A/HL | 610                  | 620                   | 640              | 1930             | 1280           | 600              | 7.25                  |
| WNGP43D/HL | 610                  | 620                   | 550              | 1790             | 1100           | 580              | 6.90                  |
| WNGP45A/HL | 650                  | 660                   | 650              | 2090             | 1300           | 680              | 9.20                  |
| WNGP45B/HL | 650                  | 660                   | 650              | 1900             | 1260           | 580              | 5.75                  |
| WNGP47/HL  | 670                  | 680                   | 685              | 2090             | 1375           | 660              | 9.50                  |

## Clear Pass®

Spray Suppression Flaps



### 25 Years of Proven Performance

The Clear Pass® spray suppression system is designed to reduce hazardous road spray. Clear Pass® minimises the dangers of spray hazards, containing much of the water thrown up by tyres and returning it to the road surface.

- **LEGISLATION**

Clear Pass complies with every aspect of the law on spray suppression (Regulation 109/2011, part of the ECWVTA 2007/46/EC), Homologation No. A e6 0025

- **NO SIZE LIMITATIONS**

Clear Pass is available in virtually any required size, even for small volume requirements

- **EASE OF INSTALLATION**

Clear Pass is easy to install, easy to handle and easy to shape and cut to size without specific tools

- **WEIGHT**

Clear Pass is not unnecessarily heavy and is one of the lightest spray suppression systems available, weighs only 5.75kg per square metre

- **DURABILITY**

Clear Pass resists to the toughest weather conditions without any risk of breakages

- **PRINTING**

Clear Pass offers durable logo printing from a choice of 12 colours

- **ENVIRONMENT**

Clear Pass is made from 100% PE, therefore 100% recyclable

- **QUALITY**

Clear Pass is manufactured under ISO 9001, ISO 14001 and TS 16949 2002, your guarantee for quality.

- Improved visibility for following vehicles
- Less fouling of vehicles
- Improved rear vision to drivers
- Contributing to road safety



#### IMPORTANT

When trimming Clear Pass flaps, **DO NOT** remove the e-mark stamping (generally located at the base). Doing so, will invalidate all legal and type approval requirements.

### Spray Suppression Flaps – Short Series

Without Clear Pass Logo / Monogramming Service

- Spray suppression flaps can be printed with your own bespoke artwork. A comprehensive drawing must be supplied by customers who would like to use this service

| Part No. | Width (mm) | Length (mm) | Weight (kg) |
|----------|------------|-------------|-------------|
| WNGM120  | 400        | 560         | 1.10        |
| WNGM115  | 450        | 560         | 1.40        |
| WNGM121  | 530        | 560         | 1.50        |
| WNGM116  | 610        | 560         | 1.80        |
| WNGM117  | 610        | 610         | 2.00        |
| WNGM122  | 660        | 560         | 2.00        |
| WNGM174  | 610        | 660         | 2.10        |



Supplied as shown above, plain with no logo.

## Spray Suppression Flaps – Long Series

Printed with Clear Pass® Logo / Monogramming Service

- Spray suppression flaps can be printed with your own bespoke artwork. A comprehensive drawing must be supplied by customers who would like to use this service

| Part No. | Width (mm) | Length (mm) | Weight (kg) |
|----------|------------|-------------|-------------|
| WNGM590  | 450        | 915         | 2.10        |
| WNGM303  | 450        | 1065        | 2.40        |
| WNGM560  | 610        | 915         | 2.80        |
| WNGM421  | 610        | 1015        | 3.20        |
| WNGM301  | 610        | 1220        | 3.80        |
| WNGM424  | 660        | 1020        | 3.50        |
| WNGM307  | 660        | 1220        | 4.00        |
| WNGM425  | 690        | 815         | 2.90        |
| WNGM308  | 690        | 1065        | 3.80        |
| WNGM310  | 690        | 1220        | 4.40        |



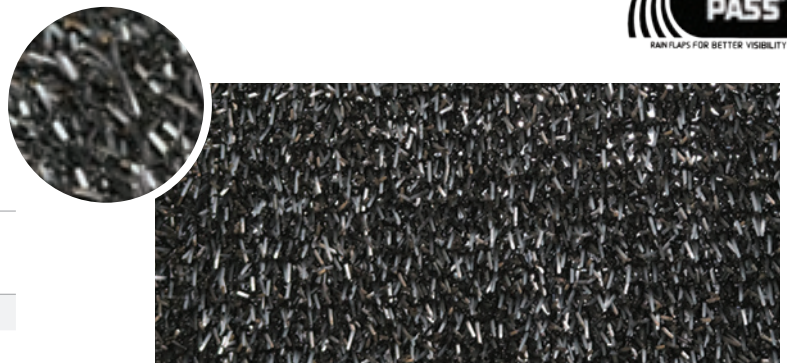
Supplied as shown above complete with Clear Pass logo and CBF website address.

## Spray Suppression

Side Valances

- Easy to fit

| Part No. | Width (mm) | Length (mm) | Weight (kg) |
|----------|------------|-------------|-------------|
| WNGM343  | 200        | 1220        | 1.40        |
| WNGM342  | 300        | 1220        | 2.00        |



## Sail Restrictors

Galvanized

- Robust design
- Good corrosion resistance
- 2 x ø12mm fixing eyes

| Part No. | Width (mm) | Length (mm) | Dia (mm) | Weight (kg) |
|----------|------------|-------------|----------|-------------|
| WNGM360  | 450        | 500         | 9.5      | 0.78        |
| WNGM382  | 450        | 650         | 9.5      | 1.00        |
| WNGM383  | 360        | 500         | 9.5      | 0.70        |
| WNGM386  | 370        | 480         | 9.5      | 0.68        |
| WNGM388  | 450        | 750         | 9.5      | 1.15        |



## Embossed Mudflaps

Personalised with your own 'Raised' Logo

- Very competitively priced, offering an alternative to the traditional 'screen printed' range of monogrammed mudflaps
- Material: black PVC
- Hardness: 80° shore A
- Fixing holes: W12 x H7mm
- Minimum order quantity for free logo set-up is 200 pieces
- Mudflap sizes can be mixed to make up this quantity, each size must carry the same size logo and each size must be a minimum of 50 pieces
- A comprehensive drawing must be supplied by customers who would like to use this service



Available in the following sizes:

| Width (mm) | Height (mm) |
|------------|-------------|
| 225        | 300         |
| 400        | 300         |
| 450        | 300         |
| 450        | 400         |
| 500        | 300         |
| 500        | 400         |
| 500        | 450         |
| 525        | 300         |
| 525        | 400         |
| 550        | 300         |
| 550        | 400         |
| 550        | 450         |
| 600        | 300         |
| 600        | 400         |
| 600        | 450         |
| 600        | 900         |
| 650        | 400         |
| 650        | 450         |

Adjustable width (approx. 80mm each side)



Raised Logo

## Blind Spot Embossed Mudflaps

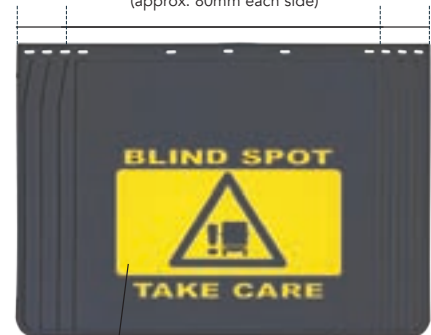
'Raised' Logo

**WNGMM2418/RL/BLINDSPOT** W600 x H450mm • wgt. 1.64kg

**WNGMM2618/RL/BLINDSPOT** W650 x H450mm • wgt. 1.77kg

- FORS Approved
- Heavy duty 'bright yellow' embossed lettering
- Nearside fitment only
- Material: black PVC
- Hardness: 80° shore A
- Fixing holes: W12 x H7mm
- Other sizes available – subject to minimum order quantity

Adjustable width (approx. 80mm each side)



Raised Logo

## Danger Zone Embossed Mudflaps

'Raised' Logo

**WNGMM2418/RL/DZONE** W600 x H450mm • wgt. 1.64kg

**WNGMM2618/RL/DZONE** W650 x H450mm • wgt. 1.77kg

- Heavy duty 'bright yellow' embossed lettering
- Nearside fitment only
- Material: black PVC
- Hardness: 80° shore A
- Fixing holes: W12 x H7mm
- Other sizes available – subject to minimum order quantity

Adjustable width (approx. 80mm each side)



Raised Logo

## Plain Mudflaps

Black Natural Rubber

- Manufactured from heavy duty 6mm black natural rubber
- Pre-drilled
- No logo
- Radius corners



| Part No. | Width (mm) | Depth (mm) | Weight (kg) |
|----------|------------|------------|-------------|
| WNGM0912 | 230        | 300        | 0.70        |
| WNGM1612 | 400        | 300        | 0.93        |
| WNGM1812 | 450        | 300        | 1.07        |
| WNGM1816 | 450        | 400        | 1.42        |
| WNGM2012 | 500        | 300        | 1.05        |
| WNGM2016 | 500        | 400        | 1.12        |
| WNGM2018 | 500        | 450        | 2.00        |
| WNGM2212 | 550        | 300        | 1.22        |
| WNGM2216 | 550        | 400        | 1.72        |
| WNGM2218 | 550        | 450        | 2.01        |
| WNGM2416 | 600        | 400        | 2.22        |
| WNGM2418 | 600        | 450        | 2.58        |

## Plain 'Monogrammed' Mudflaps

Black Natural Rubber

- Single or multi-coloured logos/names can be supplied
- Manufactured from heavy duty 6mm black natural rubber
- Pre-drilled
- Radius corners
- Mudflaps can be printed with your own bespoke artwork. A comprehensive drawing must be supplied by customers who would like to use this service (subject to minimum order quantity)



## Coach Style Flap

Insertion Rubber

### WNGM25004006/CF

- L2500 x D400 x T6mm
- wgt. 5.00kg

### WNGM25006006/CF

- L2500 x D600 x T6mm
- wgt. 7.50kg

- 6mm Insertion rubber
- (internal single ply cotton reinforcement)
- Durable material
- Un-drilled



## 'Cats Whiskers'

Spray Suppression

### WNGM/CAT/100/5000

- 100mm x 5mtr brush 'whiskers' only
- wgt. 1.26kg

### WNGM/CAT/CLAMP

- Clamp to suit (5 clamps recommended per metre)
- wgt. 0.006kg

- Available to suit most vehicle types, from coaches and buses to trucks and trailers
- Simple to fit
- Maintenance free, self cleaning
- Does not hinder wheel removal
- Works in all weather
- Performs at all speeds



WNGM/CAT/CLAMP



## Salt Spray Effects on Surface Coatings

Mudwing stays are predominantly mounted under a vehicle / trailer chassis, therefore are regularly subjected to road spray, silt & salt abrasion causing many corrosion factors. **Armour-Tech 600 (AT600)** has been developed to combat against these issues. **AT600** is a smooth zinc rich coating, overlaid with a polyurethane (PU) top layer, this provides a durable finish that has an exceptional resistance to abrasion and corrosion

See below the results after **600 hours** of salt-spray testing (ASTM B117)

### Armour-Tech 600 (AT600)

Virtually no deterioration or abrasion effect after 600 hours

### Hot-Dipped Galvanized

Salt deposits and the appearance of white rust after 96 hours, steady deterioration and appearance of red rust after 600 hours

### Zinc Plated

Appearance of red rust after 48-96 hours, rapid deterioration, full coverage of red rust after 600 hours (not recommended for under-chassis applications)



## ø34mm Cranked Mudguard Stay

Single Bolt Fixing / AT600 Surface Coated

### WNGM12549/460AT

- L460 x ø34mm – Mild steel
- wgt. 1.58kg

### WNGM12549/550AT

- L550 x ø34mm – Mild steel
- wgt. 1.79kg

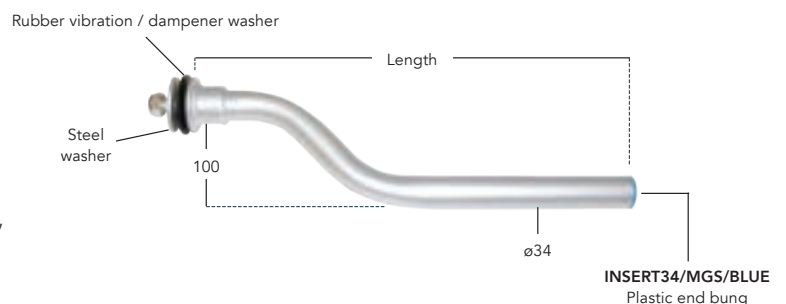
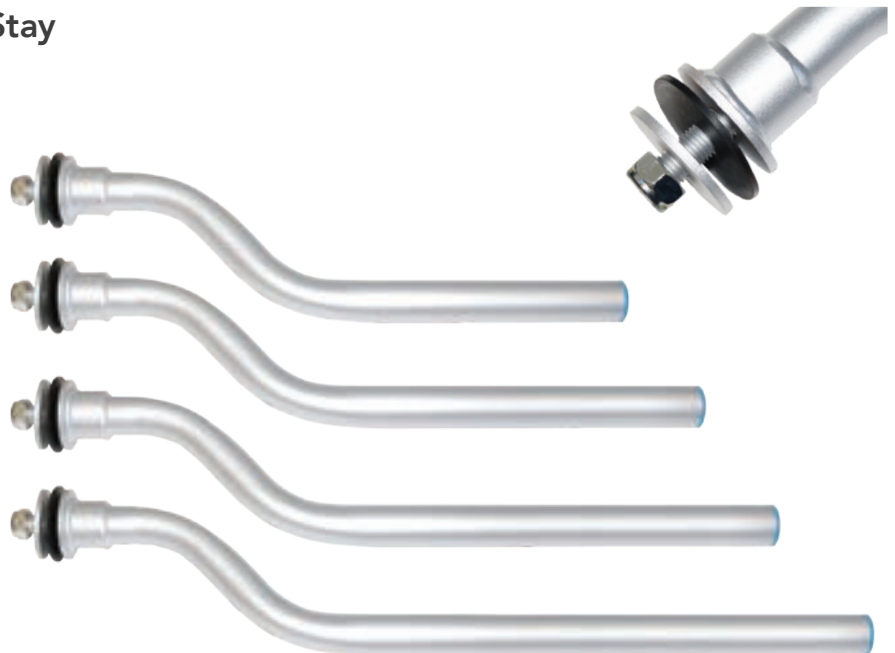
### WNGM12549/650AT

- L650 x ø34mm – Mild steel
- wgt. 2.08kg

### WNGM12549/770AT

- L770 x ø34mm – Mild steel
- wgt. 2.20kg

- Armour-Tech 600 (AT600) surface coating
- 600 Hours+ salt spray tested
- Single bolt fixing – M16 thread
- 100mm Drop
- Complete with plastic end bung, nyloc nut, steel washer & rubber vibration / dampener washer
- Replacement end bung to suit – **INSERT34/MGS/BLUE**, see page 213

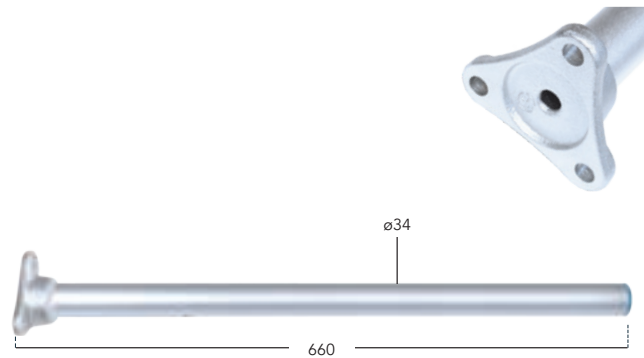


## ø34mm Straight Mudguard Stay

3 Bolt Fixing / AT600 Surface Coated

**WNGM371/660AT**

- L660 x ø34mm – Mild steel
- Armour-Tech 600 (AT600) surface coating
- 600 Hours+ salt spray tested
- 3 Bolt fixing – ø10.5mm holes
- Complete with plastic end bung
- Replacement end bung to suit – **INSERT34/MGS/BLUE**
- wgt. 1.92kg

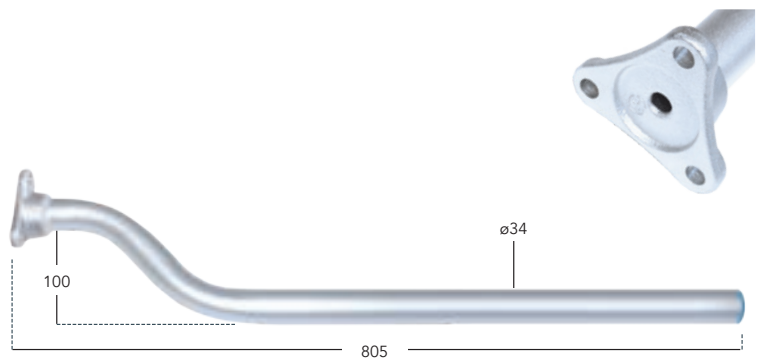


## ø34mm Cranked Mudguard Stay

3 Bolt Fixing / AT600 Surface Coated

**WNGM22749/805AT**

- L805 x ø34mm – Mild steel
- Armour-Tech 600 (AT600) surface coating
- 600 Hours+ salt spray tested
- 3 Bolt fixing – ø10.5mm holes • 100mm Drop
- Complete with plastic end bung
- Replacement end bung to suit – **INSERT34/MGS/BLUE** • wgt. 2.20kg



## Mudguard Stay Vibration / Dampener Washer

1mm Natural Rubber

**WNGM12549/SBGAS**

- Suits all single bolt mudguard stays
- 1mm x ø60mm Natural rubber
- wgt. 0.03kg



## Mudguard Stay End Cap

Black Plastic

**INSERT34/MGS/BLUE**

- Suits all ø34mm mudguard stays
- Blue plastic
- wgt. 0.01kg



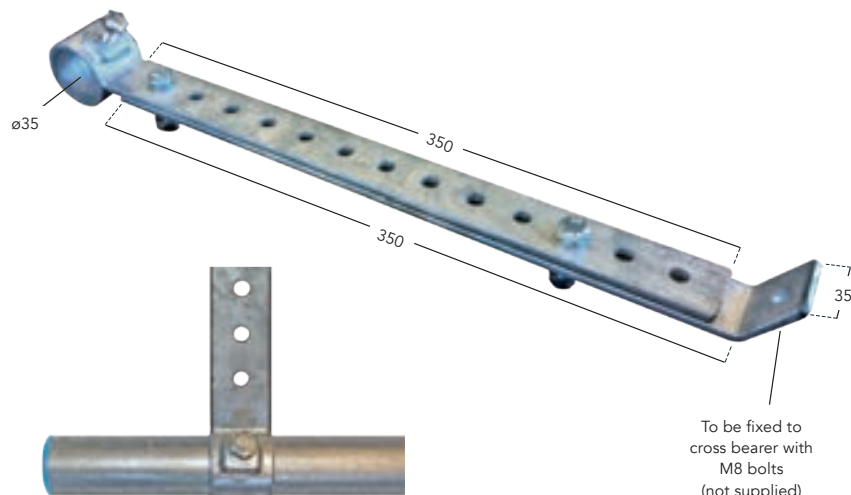
## Mudguard Stay Holder / Support

Suits ø34mm Mudguard Stays

**WNGM355/34/GV**

- Supplied with nuts & bolts as shown
- Heavy duty design
- 5mm Steel
- Galvanized finish
- Suits all ø34mm mudguard stays
- Designed to reduce vibration issues
- Adjustable from 360 to 600mm to suit most applications

Mudguard stay holders are required in various applications, generally where there is excessive chassis vibration and/or large mudguard & mudflap combinations which can overload the mudguard stay



## Mudguard Stay Clamp Bracket Set

34mm, 42mm & 48mm Range

**WNGMXP34/4** Suits all  $\varnothing$ 34mm stays

- wgt. 0.62kg per set

**WNGMXP42/4** Suits all  $\varnothing$ 42mm stays

- wgt. 0.66kg per set

**WNGMXP48/4** Suits all  $\varnothing$ 48mm stays

- wgt. 0.70kg per set
- 4 Brackets per set
- Pre-assembled
- Manufactured from polypropylene
- Corrosion resistant
- Protective bolt cap



## Mudguard Stay Clamp Bracket Set

34mm & 42mm Range

**WNGM20/34/4BP** Suits all  $\varnothing$ 34mm stays

- wgt. 0.48kg per set

**WNGM20/42/4BP** Suits all  $\varnothing$ 42mm stays

- wgt. 0.53kg per set
- 4 Brackets per set
- Single bolt fixing
- Corrosion resistant
- Manufactured from high impact ABS
- Complete with M10 bolt & nyloc nut



## Mudguard Stay 'U' Bracket & Back Plate

34mm Range

**WNGM347/UBZP**

- Suits all  $\varnothing$ 34mm stays
- Zinc plated steel
- 1 x 7mm 'U' Bolt & clamp, back plate & 2 nyloc nuts
- Supplied individually
- wgt. 0.10kg



## Mudguard Stay Bracket & Back Plate Set

34mm Range

**WNGMCBF14**

- Suits all  $\varnothing$ 34mm stays
- Plate: L250 x W80mm
- 2mm Pre-galvanized steel back plate, 2 x 7mm Geomet coated 'U' bolts, nyloc nuts & washers, 2 rubber sleeves
- wgt. 0.47kg



## Mudguard Stay Clamp Bracket

34mm Range / AT600 Surface Coated

### WNGM/LR650AT

- Suits all  $\varnothing 34$ mm stays / extends to  $\varnothing 40$ mm
- L340 x W40 x T5mm
- Armour-Tech 600 (AT600) surface coating
- 600 Hours+ salt spray tested
- 4 x 13mm Slotted fixing holes
- wgt. 0.73kg



## Mudguard Stay Bracket & Back Plate

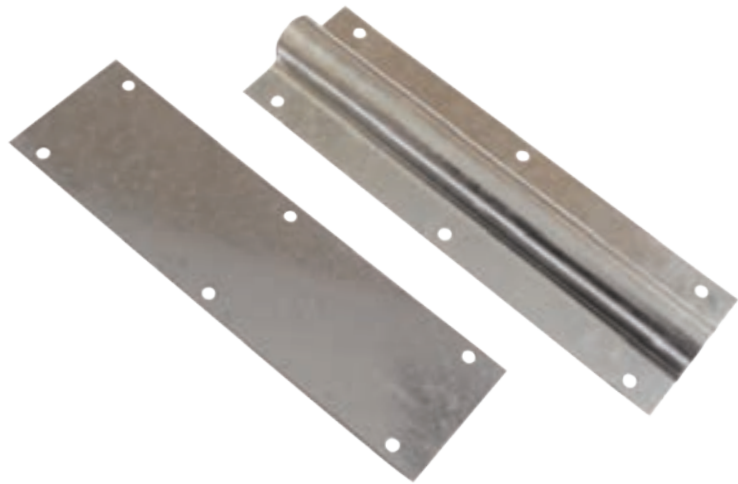
34mm Range

### WNGM372/S

- Bracket: L370 x W115mm
- wgt. 0.44kg

### WNGM372/STBP

- Back plate: L370 x W115mm
- wgt. 0.26kg
- Suits all  $\varnothing 34$ mm stays
- 1mm Pre-galvanized steel
- $\varnothing 9$ mm Fixing holes



## Mudguard Stay Bracket & Back Plate

48mm Range

### WNGM372/H

- Bracket: L405 x W115mm
- wgt. 0.54kg

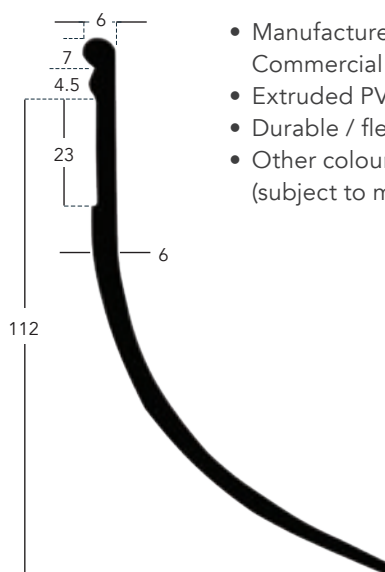
### WNGM372/HSTBP

- Back plate: L405 x W150mm (extended width)
- wgt. 0.33kg
- Suits all  $\varnothing 48$ mm stays
- 1mm Pre-galvanized steel
- $\varnothing 9$ mm Fixing holes



## Pelmet Section

Pelmet sections are fitted to curtain sided vehicles, to help protect the roller mechanism of the curtain, they also provide a weather seal against the curtain material. They also give a more streamlined look to the finished vehicle.



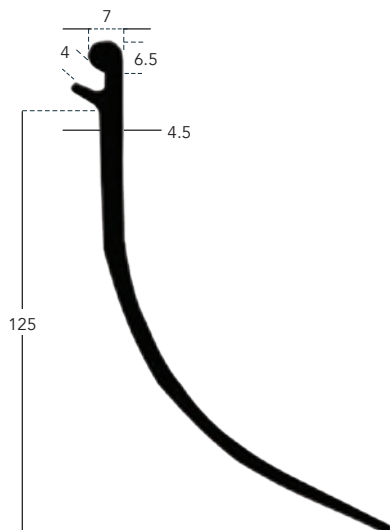
- Manufactured exclusively for Commercial Body Fittings Ltd
- Extruded PVC
- Durable / flexible
- Other colours available (subject to minimum order quantity)

| Part No.     | Colour | Length |      | Ball Dimension (mm) | Weight (kg) |
|--------------|--------|--------|------|---------------------|-------------|
|              |        | Metres | Feet |                     |             |
| RUMSCBF60/B  | Black  | 18.29  | 60   | 6.0 x 7.0           | 16.51       |
| RUMSCBF60/W  | White  | 18.29  | 60   | 6.0 x 7.0           | 16.51       |
| RUMSCBF100/B | Black  | 30.48  | 100  | 6.0 x 7.0           | 27.52       |

## Pelmet Section

PEL1

- Other colours available (subject to minimum order quantity)

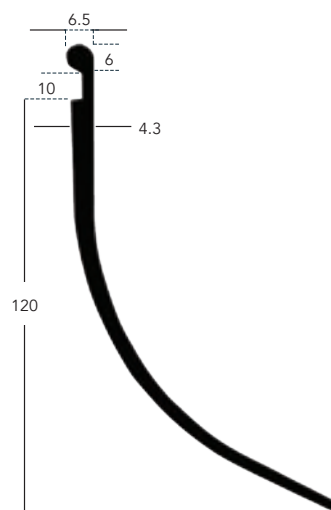


| Part No.      | Colour | Length |      | Ball Dimension (mm) | Weight (kg) |
|---------------|--------|--------|------|---------------------|-------------|
|               |        | Metres | Feet |                     |             |
| RUMSPEL1/45B  | Black  | 13.71  | 45   | 7.0 x 6.5           | 9.72        |
| RUMSPEL1/45W  | White  | 13.71  | 45   | 7.0 x 6.5           | 9.72        |
| RUMSPEL1/60B  | Black  | 18.29  | 60   | 7.0 x 6.5           | 12.97       |
| RUMSPEL1/60W  | White  | 18.29  | 60   | 7.0 x 6.5           | 12.97       |
| RUMSPEL1/100B | Black  | 30.48  | 100  | 7.0 x 6.5           | 21.61       |

## Pelmet Section

PEL2

- Other colours available (subject to minimum order quantity)

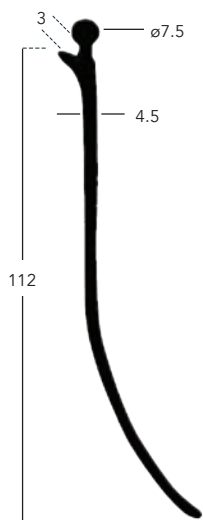


| Part No.      | Colour | Length |      | Ball Dimension (mm) | Weight (kg) |
|---------------|--------|--------|------|---------------------|-------------|
|               |        | Metres | Feet |                     |             |
| RUMSPEL2/45B  | Black  | 13.71  | 45   | 6.5 x 6.0           | 10.36       |
| RUMSPEL2/45W  | White  | 13.71  | 45   | 6.5 x 6.0           | 10.36       |
| RUMSPEL2/52B  | Black  | 15.85  | 52   | 6.5 x 6.0           | 11.51       |
| RUMSPEL2/200B | Black  | 60.97  | 200  | 6.5 x 6.0           | 46.04       |

### Pelmet Section

DP7

- Other colours available (subject to minimum order quantity)

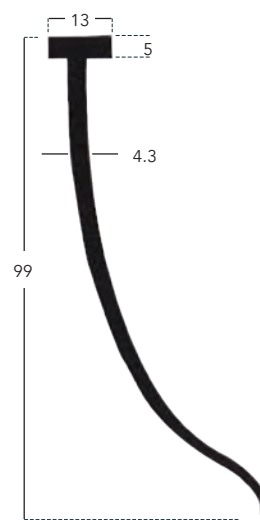


| Part No.    | Colour | Length |      | Ball Dimension (mm) | Weight (kg) |
|-------------|--------|--------|------|---------------------|-------------|
|             |        | Metres | Feet |                     |             |
| RUMSDP7/14B | Black  | 14     | 46   | ø7.5                | 11.90       |
| RUMSDP7/14W | White  | 14     | 46   | ø7.5                | 11.90       |

### Pelmet Section

DP8

- Other colours available (subject to minimum order quantity)

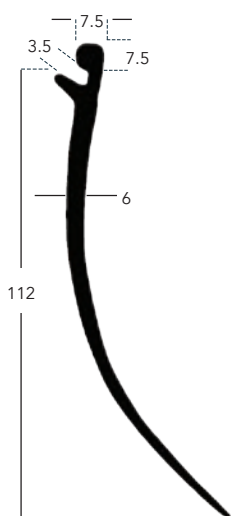


| Part No.    | Colour | Length |      | Ball Dimension (mm) | Weight (kg) |
|-------------|--------|--------|------|---------------------|-------------|
|             |        | Metres | Feet |                     |             |
| RUMSDP8/14B | Black  | 14     | 46   | 13.0 x 5.0          | 11.25       |
| RUMSDP8/14W | White  | 14     | 46   | 13.0 x 5.0          | 11.25       |

### Pelmet Section

DP9

- Other colours available (subject to minimum order quantity)

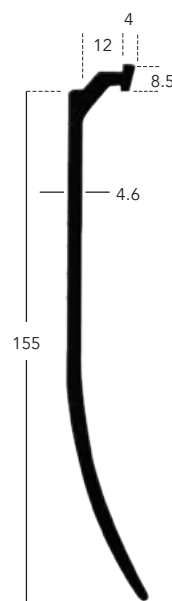


| Part No.    | Colour | Length |      | Ball Dimension (mm) | Weight (kg) |
|-------------|--------|--------|------|---------------------|-------------|
|             |        | Metres | Feet |                     |             |
| RUMSDP9/14B | Black  | 14     | 46   | 7.5 x 7.5           | 11.85       |
| RUMSDP9/14W | White  | 14     | 46   | 7.5 x 7.5           | 11.85       |

### Pelmet Section

DP25

- Other colours available (subject to minimum order quantity)

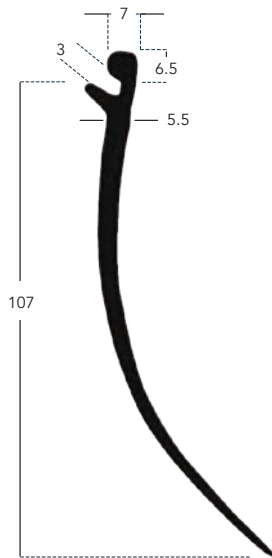


| Part No.     | Colour | Length |      | Ball Dimension (mm) | Weight (kg) |
|--------------|--------|--------|------|---------------------|-------------|
|              |        | Metres | Feet |                     |             |
| RUMSDP25/14B | Black  | 14     | 46   | 4.0 x 8.5           | 14.00       |
| RUMSDP25/14W | White  | 14     | 46   | 4.0 x 8.5           | 14.00       |

## Pelmet Section

DP29

- Other colours available (subject to minimum order quantity)

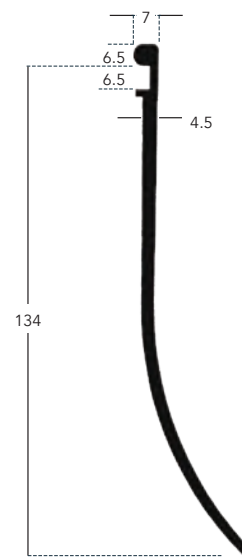


| Part No.     | Colour | Length |      | Ball Dimension (mm) | Weight (kg) |
|--------------|--------|--------|------|---------------------|-------------|
|              |        | Metres | Feet |                     |             |
| RUMSDP29/14B | Black  | 14     | 46   | 7.0 x 6.5           | 11.20       |
| RUMSDP29/14W | White  | 14     | 46   | 7.0 x 6.5           | 11.20       |

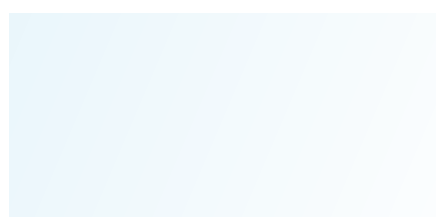
## Pelmet Section

DP36

- Other colours available (subject to minimum order quantity)



| Part No.     | Colour | Length |      | Ball Dimension (mm) | Weight (kg) |
|--------------|--------|--------|------|---------------------|-------------|
|              |        | Metres | Feet |                     |             |
| RUMSDP36/14B | Black  | 14     | 46   | 7.0 x 6.5           | 13.02       |
| RUMSDP36/14W | White  | 14     | 46   | 7.0 x 6.5           | 13.02       |



## Detachable Dropside Centre Pillars & Sockets

Zinc Plated

### APLL400/380CPR/ZP

- Overall length: 510mm (including socket)
- wgt. 7.25kg

### APLL400/600CPR/ZP

- Overall length: 730mm (including socket)
- wgt. 11.50kg

### APLL400/800CPR/ZP

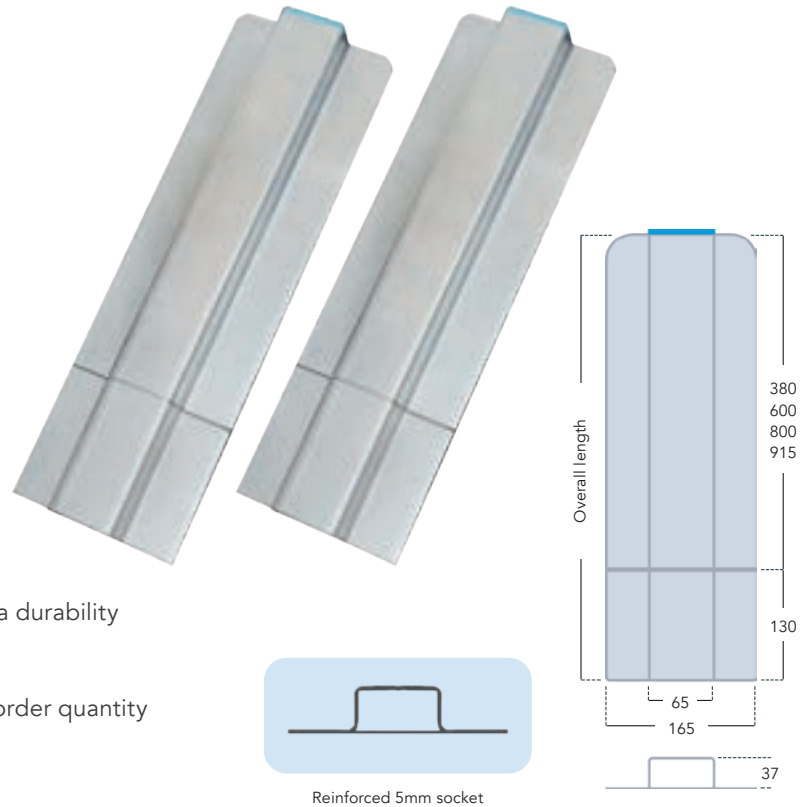
- Overall length: 930mm (including socket)
- wgt. 14.00kg

### APLL400/915CPR/ZP

- Overall length: 1045mm (including socket)
- wgt. 15.50kg
- 3mm Steel pillar
- 5mm Steel socket – upgraded thickness for extra durability
- All pillar sets are supplied in pairs:  
2 x centre pillars & sockets (as shown above)
- Bespoke service available, subject to minimum order quantity

### APLL400/5/CEN/SZP

- Replacement 5mm Steel Socket
- wgt. 1.27kg



Reinforced 5mm socket

## Detachable Dropside Corner Pillars & Sockets

Zinc Plated

### APLL400/380RPR/ZP

- wgt. 7.30kg
- Overall length: 510mm (including socket)

### APLL400/600RPR/ZP

- wgt. 11.57kg
- Overall length: 730mm (including socket)

### APLL400/800RPR/ZP

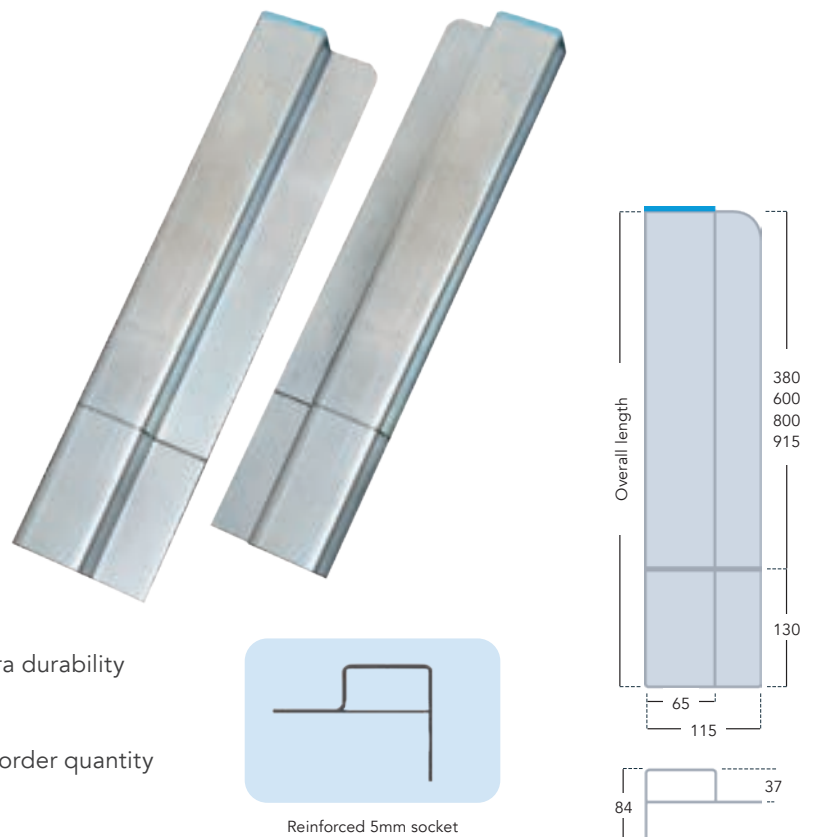
- wgt. 14.10kg
- Overall length: 930mm (including socket)

### APLL400/915RPR/ZP

- wgt. 15.65kg
- Overall length: 1045mm (including socket)
- 3mm Steel pillar
- 5mm Steel socket – upgraded thickness for extra durability
- All pillar sets are supplied in pairs:  
2 x corner pillars & sockets (as shown above)
- Bespoke service available, subject to minimum order quantity

### APLL400/5/CNR/SZP

- Replacement 5mm Steel Socket
- wgt. 1.27kg



Reinforced 5mm socket

## Centre Pillars & Sockets

Self Colour

### Pillar

- 10mm Self colour mild steel

| Part No.   | Length (mm) | Weight (kg) |
|------------|-------------|-------------|
| APLL243/18 | 450         | 3.65        |
| APLL243/24 | 600         | 4.55        |
| APLL243/30 | 760         | 5.70        |
| APLL243/36 | 915         | 6.84        |

### Sockets to suit

#### APLL243/S

- Self colour
- Complete with lock bolt
- wgt. 1.21kg

#### APLL243/SZP

- Zinc plated
- Complete with lock bolt
- wgt. 1.21kg



## Corner Pillar & Socket

Self Colour

### Pillar

#### APLL306/18

- Length: 450mm
- 5.8mm Mild steel
- wgt. 1.87kg

### Socket to suit

#### APLL306/S/UNI

- Self colour
- Suitable for left & right hand fitment (simply move the lock bolt into the opposite hole)
- wgt. 1.69kg

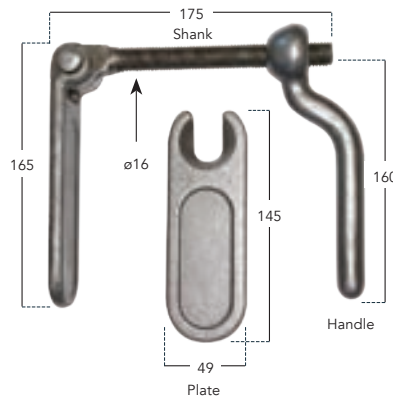


### Ramp Fastener Set

Self Colour – Standard Thread

**ARMP219/SET/SC**

- 2 x Complete fasteners & plates
- Self colour finish
- Standard thread
- wgt. 2.90kg



### Ramp Fastener

Fastener & Handle

**ARMP219/FH/SC**

- Fastener & handle (no plate)
- Self colour
- Standard thread
- wgt. 1.05kg



### Ramp Fastener

Handle

**ARMP219/HZP**

- Handle only
- Zinc plated
- Standard thread
- wgt. 0.41kg



### Ramp Fastener

Shank

**ARMP219/SZP**

- Shank only
- Zinc plated
- Standard thread
- wgt. 0.25kg



### Ramp Fastener

Plate

**ARMP219/PSC**

**ARMP219/PZP**

- Self colour
- wgt. 0.47kg
- Zinc plated
- wgt. 0.47kg



## Ramp Fastener Set

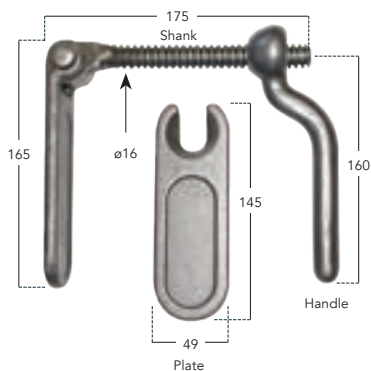
Self Colour & Zinc Plated – Coarse Thread

### ARMP153/SET/SC

- Self colour
- wgt. 2.90kg

### ARMP153/SET/ZP

- Zinc plated
- wgt. 2.90kg
- 2 x Complete fasteners & plates
- Coarse thread



ARMP153/SET/SC



ARMP153/SET/ZP

## Ramp Fastener

Fastener & Handle

### ARMP153/FH/ZP

- Fastener & handle (no plate)
- Zinc plated
- Coarse thread
- wgt. 1.03kg



## Ramp Fastener & Shank

Fastener & Shank

### ARMP153/HS/ZP

- Zinc plated finish
- 'Coarse'  $\varnothing 16$ mm thread
- wgt. 0.64kg



## Ramp Fastener

Plate

### ARMP219/PSC

- Self colour
- wgt. 0.47kg

### ARMP219/PZP

- Zinc plated
- wgt. 0.47kg



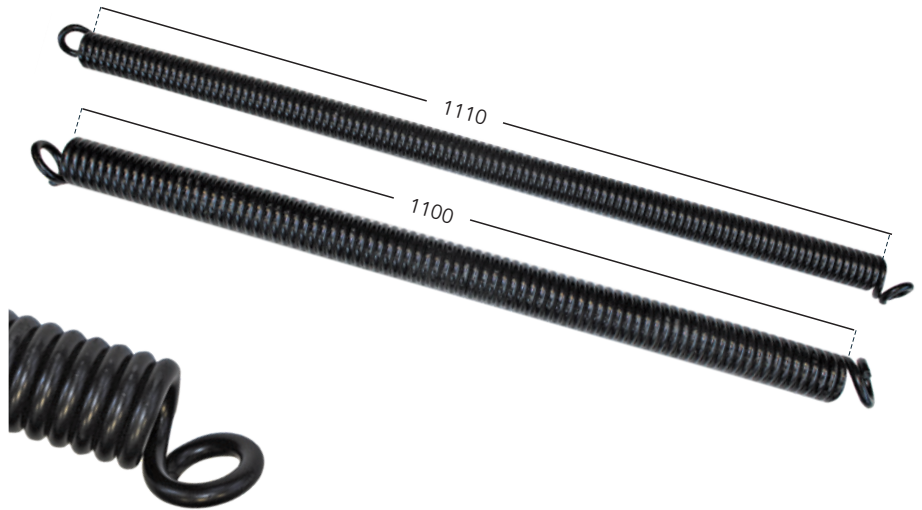
## Foulger Ramp Springs

### ARMP3

- Lightweight spring only
- Black painted
- Capacity: up to 150kg per pair
- Spring: L1110 x ø50mm
- Supplied singly
- wgt. 8.79kg

### ARMP4

- Heavyweight spring only
- Black painted
- Capacity: up to 200kg per pair
- Spring: L1100 x ø63mm
- Supplied singly
- wgt. 15.89kg



## 'RT' Ramp Springs

### ARMP12/LH

- Left hand spring
- Black painted
- Capacity: approx. 40kg
- Spring: L300mm
- wgt. 5.00kg

### ARMP12/RH

- Right hand spring
- Black painted
- Capacity: approx. 40kg
- Spring: L300mm
- wgt. 5.00kg



### ARMP1220/CH

- Guidance channel
- Zinc plated
- wgt. 0.54kg



Guidance channel

### ARMP1220/CO

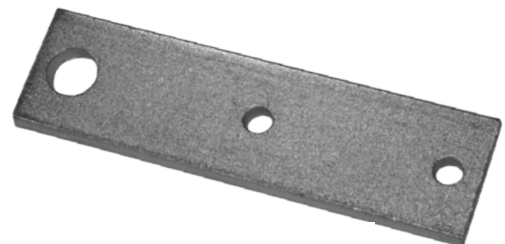
- Collar
- Zinc plated
- Suits ø25mm bar (2 per spring required)
- Sold singly
- wgt. 0.68kg



Collars

### ARMP1220/PL

- Tension plate
- Zinc plated
- wgt. 0.66kg



Tension plate

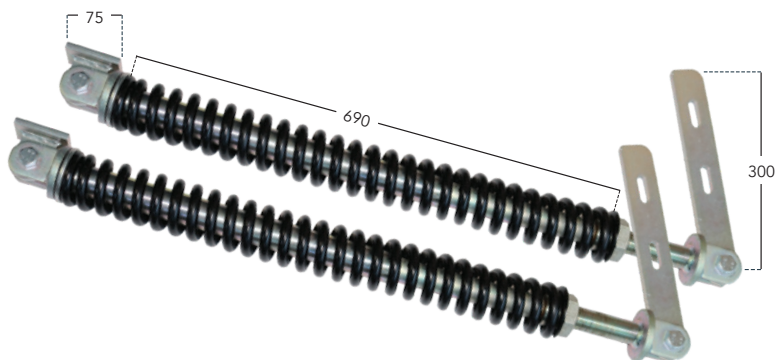
## Underfloor Ramp Springs

### ARMP21/SET/STD Medium duty

- Spring: L690 x  $\varnothing$ 77mm x  $\varnothing$ 15mm wire
- Capacity: approx. 150kg per pair
- Replacement spring to suit: **ARMP21/SPR**
- wgt. 27.00kg

### ARMP21/SET/HD Heavy duty

- Spring: L690 x  $\varnothing$ 78mm x  $\varnothing$ 16mm wire
- Capacity: approx. 200kg per pair
- Replacement spring to suit: **ARMP21/SPR/HD**
- wgt. 28.96kg
- Supplied in pairs (as shown)
- Black painted springs
- CP350 Surface coated bodies
- Fitting instructions available upon request



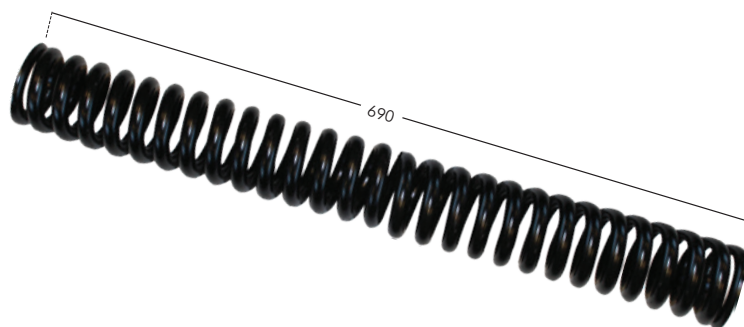
## Replacement Springs

### ARMP21/SPR Medium duty spring

- L690 x  $\varnothing$ 77mm x  $\varnothing$ 15mm wire
- Capacity: approx. 150kg per pair
- wgt. 7.85kg

### ARMP21/SPR/HD Heavy duty spring

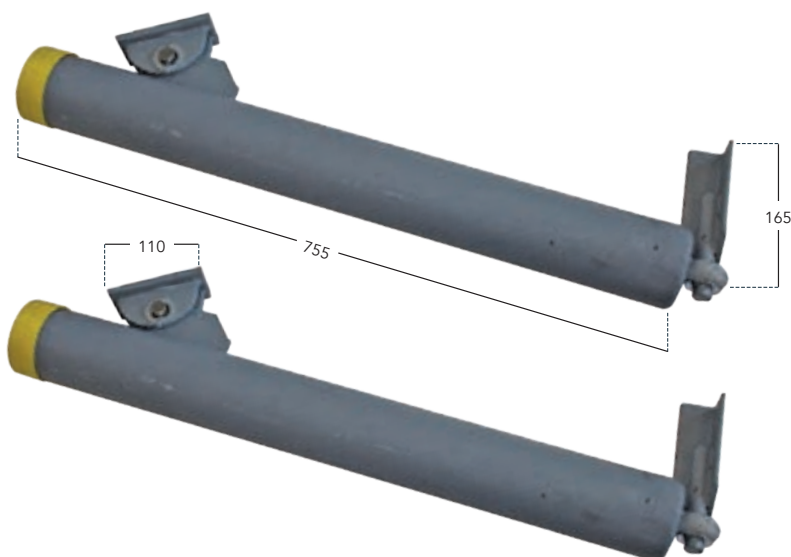
- L690 x  $\varnothing$ 78mm x  $\varnothing$ 16mm wire
- Capacity: approx. 200kg per pair
- wgt. 8.83kg
- Replacement springs to suit:  
**ARMP21/SET/STD, ARMP21/SET/HD & ARMP22/SET**
- Black painted
- Supplied singly



## Side Mounted Ramp Springs

### ARMP22/SET Medium duty

- 1 x Pair of ramp springs & fittings (as shown)
- L755 x  $\varnothing$ 90mm
- Capacity: approx. 150kg per pair
- Grey primer finish
- Replacement spring to suit:  
**ARMP21/SPR & ARMP21/SPR/HD** (above)
- Fitting instructions available upon request
- wgt. 36.00kg



## T Bar Door Retainer

Zinc Plated

### FRET180/HKZP Retainer

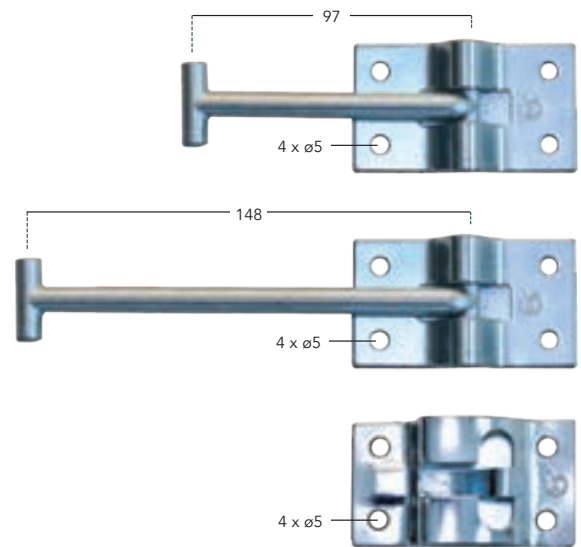
- Plate: L76 x W45mm
- Hook: L97mm
- wgt. 0.18kg

### FRET190/HKZP Retainer

- Plate: L76 x W45mm
- Hook: L148mm
- wgt. 0.21kg

### FRET180/SMZP Catch plate

- Plate: L76 x W45mm
- Suits: **FRET180/HKZP** & **FRET190/HKZP**
- wgt. 0.03kg



## Wire Loop Door Retainer

304G Stainless Steel

### FRET138/95HKSS Retainer

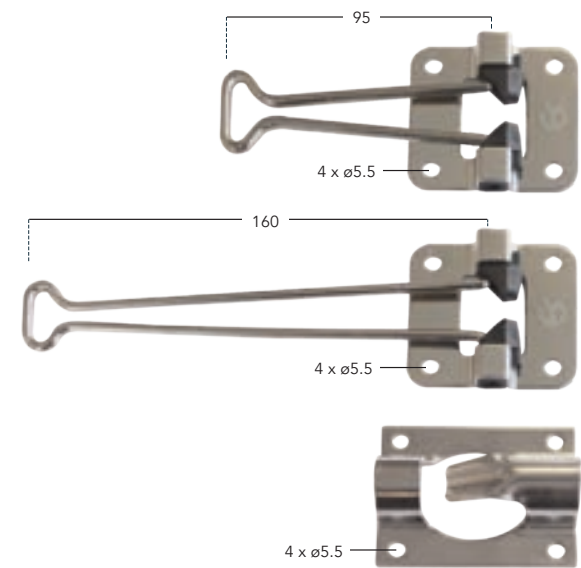
- Plate: L57 x W57mm
- Hook: L95mm
- wgt. 0.07kg

### FRET138/160HKSS Retainer

- Plate: L57 x W57mm
- Hook: L160mm
- wgt. 0.08kg

### FRET138/SMSS Catch plate

- Plate: L63 x W50mm
- Suits: **FRET138/95HKSS** & **FRET138/160HKSS**
- wgt. 0.04kg



## T Bar Door Retainer

304G Stainless Steel

### FRET150/95HKSS Retainer

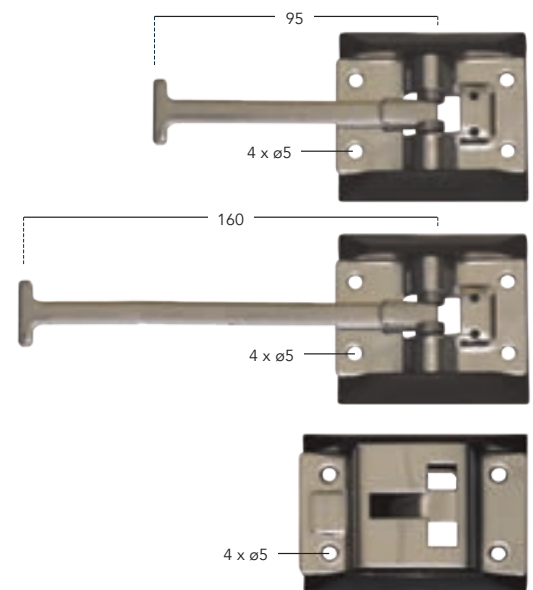
- Spring loaded hook
- Plate: L64 x W40mm
- Plastic enclosure: L64 x W60mm
- Hook: L95mm
- wgt. 0.07kg

### FRET150/160HKSS Retainer

- Spring loaded hook
- Plate: L64 x W40mm
- Plastic enclosure: L64 x W60mm
- Hook: L160mm
- wgt. 0.09kg

### FRET150/SMSS Catch plate

- Plate: L78 x W45mm
- Plastic enclosure: L78 x W61mm
- Suits: **FRET150/95HKSS** & **FRET150/160HKSS**
- wgt. 0.08kg

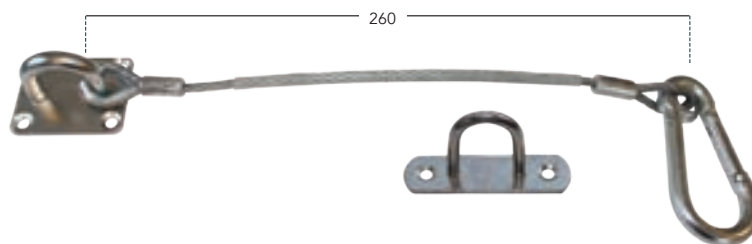


## Wire Door Retainer

Plastic Coated Zinc Plated Wire

### FRET2603/260ZP

- Wire: L260 x  $\varnothing$ 4mm /  $\varnothing$ 5mm complete with plastic sleeve
- Spring hook: 75mm zinc plated
- 1 x Light duty retaining staple
- wgt. 0.19kg

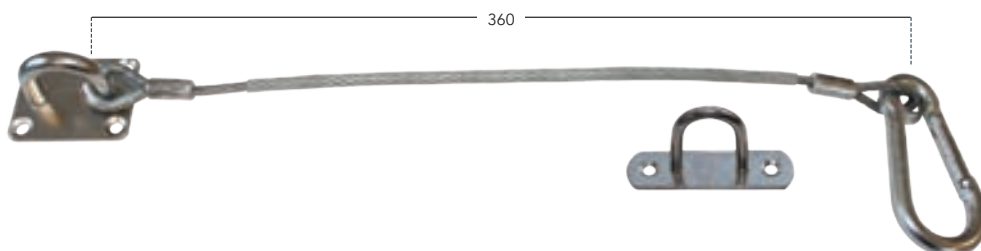


## Wire Door Retainer

Plastic Coated Zinc Plated Wire

### FRET2603/360ZP

- Wire: L360 x  $\varnothing$ 4mm /  $\varnothing$ 5mm complete with plastic sleeve
- Spring hook: 75mm zinc plated
- 1 x Light duty retaining staple
- wgt. 0.20kg



## Wire Door Retainer

Plastic Coated Zinc Plated Wire

### FRET2603/260ZP/NRS

- Wire: L260 x  $\varnothing$ 4mm /  $\varnothing$ 5mm complete with plastic sleeve
- Spring hook: 75mm zinc plated
- Not supplied with retaining staple
- wgt. 0.17kg

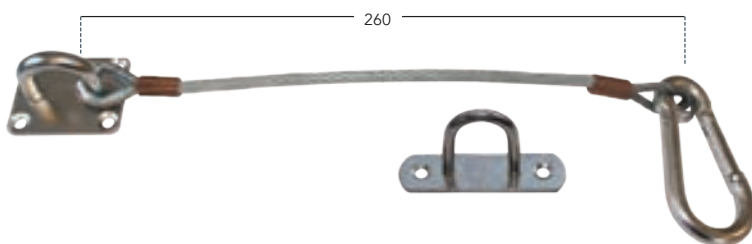


## Wire Door Retainer

Plastic Coated Stainless Steel Wire

### FRET2603/260SS

- Wire: L260 x  $\varnothing$ 3mm /  $\varnothing$ 4mm complete with plastic sleeve
- Spring hook: 75mm stainless steel
- Corrosion resistant
- 1 x Light duty retaining staple
- wgt. 0.19kg



## Staples

304G Stainless Steel

### FRET2603/LDSS Light duty

- L69 x W20mm
- 2 x  $\varnothing$ 5mm Countersunk fixing holes
- wgt. 0.02kg



### FRET2603/HDSS Heavy duty

- L50 x W40mm
- 4 x  $\varnothing$ 5mm Countersunk fixing holes
- wgt. 0.06kg



## Self-Aligning Retainer Set

White Plastic

| Part No.            | Base (mm) | Weight (kg) |
|---------------------|-----------|-------------|
| FRET3700/FWP Female | L65 x W29 | 0.03        |
| FRET3700/MWP Male   | L65 x W29 | 0.02        |
| FRET3700/WPSET Set  |           | 0.05        |

- Set contains 1 x Female & 1 x Male
- Stainless steel springs



## Self-Aligning Retainer Set

Zinc Plated Steel

| Part No.            | Base (mm) | Weight (kg) |
|---------------------|-----------|-------------|
| FRET3700/FZP Female | L65 x W29 | 0.08        |
| FRET3700/MZP Male   | L61 x W20 | 0.05        |
| FRET3700/ZPSET Set  |           | 0.13        |

- Set contains 1 x Female & 1 x Male
- Stainless steel springs



## Adjustable Retainer Set

Black Plastic

| Part No.              | Base (mm) | Weight (kg) |
|-----------------------|-----------|-------------|
| FRET555/F/BLK Female  | L67 x W25 | 0.02        |
| FRET555/M/BLK Male    | L58 x W25 | 0.02        |
| FRET555/MFSET/BLK Set |           | 0.04        |

- Set contains 1 x Female & 1 x Male
- Stainless steel adjustable screw



## Adjustable Retainer Set

White Plastic

| Part No.              | Base (mm) | Weight (kg) |
|-----------------------|-----------|-------------|
| FRET555/F Female      | L67 x W25 | 0.02        |
| FRET555/M Male        | L58 x W25 | 0.02        |
| FRET555/MFSET/WHT Set |           | 0.04        |

- Set contains 1 x Female & 1 x Male
- Stainless steel adjustable screw

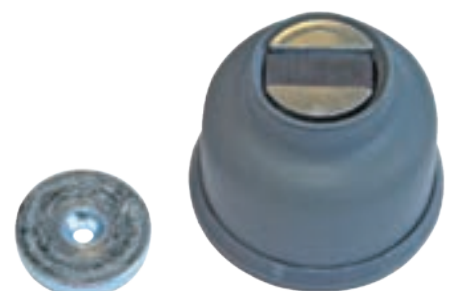


## Magnetic Retainer Set

20kg Retaining Force

### FRET631830/MAG

- Flexible grey plastic (takes up initial door impact)
- Weather resistant • Easy to install
- Body:  $\varnothing 48 \times D50$ mm
- Steel retaining disc:  $\varnothing 28 \times 5.5$ mm
- $\varnothing 4.5$ mm Fixing holes • wgt. 0.14kg



## Magnetic Door Retainer Set

Internal Stainless Steel Springs, Black Plastic Body

**FRET5942/MAG/BLK**

- ø59mm x 42mm (overall)
- Supplied in two assemblies
- Internal: non-corrosive, stainless steel compression spring
- Low profile
- Easy to mount
- Strong magnetic retention
- Weather resistant
- Mounting screws supplied (stainless steel)
- wgt. 0.11kg



## Flexible Door Retainers

Stainless Steel / Rubber

**MRF405010601**

- Size: L125mm overall x 46mm wide
- Catch plate: W60 x D62mm
- Flexible rubber strap
- Bracket, cam & retaining loop: 304G stainless steel
- ø5mm Fixing holes
- wgt. 0.13kg



## Flexible Door Retainers

Stainless Steel / Rubber

**MRF405010602**

- Size: L145mm overall x 46mm wide
- Catch plate: W60 x D62mm
- Flexible rubber strap
- Bracket, cam & retaining loop: 304G stainless steel
- ø5mm Fixing holes
- wgt. 0.14kg



## Door Check Strap

2 Ply Leather

**MISC300**

- L205 x W42 x T6.0mm
- Supplied with 2 x staples
- Hole centres: 72mm / 4 x ø5.5mm countersunk fixing holes
- Other sizes available upon request
- wgt. 0.11kg



## Male / Female Retainer Set

Zinc Plated

**FRET450**

- Male pin: L50 x  $\varnothing$ 8mm - hole centres 54mm
- Female socket complete with rubber insert – hole centres: 70mm
- $\varnothing$ 6.5mm Countersunk fixing holes
- wgt. 0.23kg



## Male / Female Retainer Set

Plastic / Rubber

**FRET475**

- Male pin: H27 x  $\varnothing$ 25mm
- Female socket: H33 x  $\varnothing$ 40mm
- Rubber with steel base
- $\varnothing$ 6.5mm Fixing holes
- wgt. 0.05kg

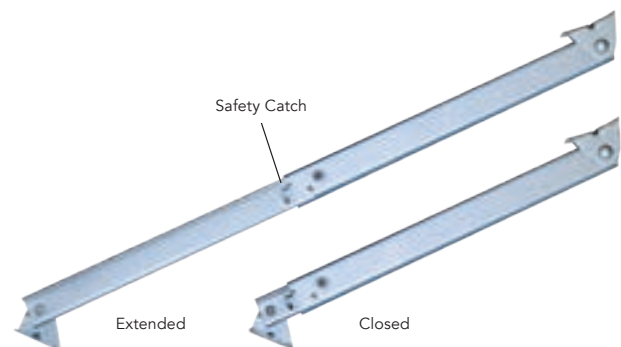


## Support Stay with Safety Catch

Zinc Plated

**MISC25621**

- Suitable for top hinged doors and hatches
- Locks in extended position
- Length between fixing centres:  
open: 470mm closed: 285mm
- wgt. 0.32kg



## QF Rubber Clamps

QF Clamps are manufactured from heavy-duty UV resistant rubber, which is not affected by hot or cold climates.

QF-Clamps securely fix objects in place, yet quickly released and readily available for use! Great for use in a wide range of applications ranging from: Emergency Vehicles, Tippers, ATV's, Electrical Installations, Boats plus many more.



**QF**

## Micro QF Clamp

$\varnothing$ 16 to  $\varnothing$ 22mm

**FRET/QF/3032/10**

- Supplied in packs of 10
- Holds objects from  $\varnothing$ 16 to  $\varnothing$ 22mm
- 2 x Clamps support 23kg
- 1 x  $\varnothing$ 4mm Fixing point per clamp
- wgt. 0.10kg per pack



**QF**

### Mini QF Clamp

ø16 to ø32mm

FRET/QF/1632/2

- Supplied in pairs
- Holds objects from ø16 to ø32mm
- 2 x Clamps support 23kg
- 4 x ø5mm Fixing points per clamp
- wgt. 0.06kg per pair



QF

### Original QF Clamp

ø25 to ø57mm

FRET/QF/2557/2

- Supplied in pairs
- Holds objects from ø25 to ø57mm
- 2 x Clamps support 23kg
- 1 x ø5mm Fixing point per clamp
- wgt. 0.12kg per pair



QF

### Go-Between QF Clamp

ø44 to ø73mm

FRET/QF/4473/1

- Supplied individually
- Holds objects from ø44 to ø73mm
- 1 x Clamp supports 23kg
- 2 x ø6mm Fixing points per clamp
- wgt. 0.12kg



QF

### Super QF Clamp

ø64 to ø220mm

FRET/QF/64220/1

- Supplied individually
- Holds objects from ø64 to ø220mm
- 1 x Clamp supports 23kg
- 2 x Clamps support 45kg
- 3 x ø5mm Fixing points per clamp
- wgt. 0.14kg



QF

### XL QF Clamp

ø381 to ø711mm

FRET/QF/381711/1

- Supplied in pairs • 2 x 356mm Separate straps
- Holds objects from ø381 to ø711mm
- 2 x Clamps support 68kg
- 4 x Clamps support 130kg
- 4 x ø6mm Fixing points per clamp
- wgt. 0.23kg per pair



QF

## Stowage Clamp

Rubber / Zinc Plated

**FTNK8150/ZP**

- Ideal for tool / utensil storage
- Overall length: 150mm • Base plate: L68 x W35mm
- Rubber tension strap
- 2 x  $\varnothing$ 5.5mm Countersunk fixing holes
- wgt. 0.14kg

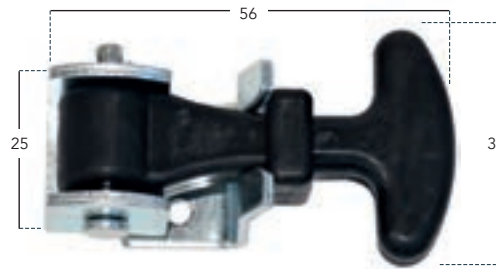


## Short Bonnet Fastener

Rubber / Zinc Plated

**FRET5301**

- L56 x W25mm
- 39mm Wide finger grip
- Zinc plated bracket & catch
- Rubber hook
- 4 x  $\varnothing$ 4.2mm Fixing holes
- wgt. 0.05kg



## Medium Bonnet Fastener

Rubber / Zinc Plated

**FRET5300**

- L114 x W37mm
- 59mm Wide finger grip
- Zinc plated bracket & catch
- Rubber hook
- 5 x  $\varnothing$ 4.5mm Fixing holes
- wgt. 0.11kg



## Long/Extra Long Bonnet Fastener

Rubber / Zinc Plated

**FRET91/150/RZP** L150mm • wgt. 0.17kg

**FRET91/200/RZP** L200mm • wgt. 0.19kg

- W42mm • 84mm Wide finger grip
- Zinc plated bracket & catch
- Rubber hook
- 1 x  $\varnothing$ 8.5mm & 2 x  $\varnothing$ 5.5mm Fixing holes

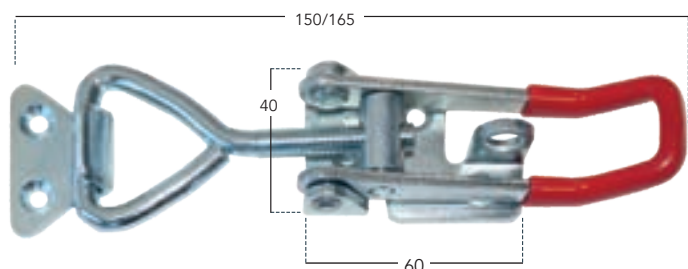


## Overcentre Toggle Fastener & Catch

Zinc Plated Steel

**ATBF22/150165/LZP**

- Base plate L60mm x W40mm
- $\varnothing$ 7mm Adjustable ring catch: 150mm - 165mm
- 3 x 5mm Countersunk fixing holes
- Padlock locking facility
- Complete with catch plate:  
2 x  $\varnothing$ 5mm Countersunk fixing holes • wgt. 0.23kg

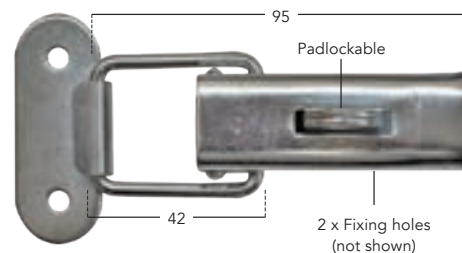


## Lockable Trunk Fastener

Zinc Plated

**FTNK6127/8**

- Lockable
- Supplied complete with catch plate
- Zinc plated
- $\varnothing 5\text{mm}$  Fixing holes
- wgt. 0.09kg

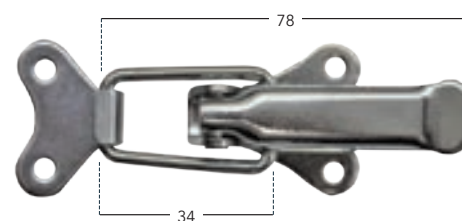


## Trunk Fastener

Zinc Plated

**FTNK58**

- Supplied complete with catch plate
- Zinc plated
- $\varnothing 4.4\text{mm}$  Fixing holes
- wgt. 0.04kg



## Graveley / Turnbuckle Fastener

Chromium Plated

**FMSC53/F** Fastener

- Base plate: L47 x W24mm
- 2 x  $\varnothing 4\text{mm}$  Fixing holes
- wgt. 0.05kg

**FMSC53/P** Plate

- L47 x W24mm
- 2 x  $\varnothing 4\text{mm}$  Fixing holes
- wgt. 0.02kg



## Graveley / Turnbuckle Fastener

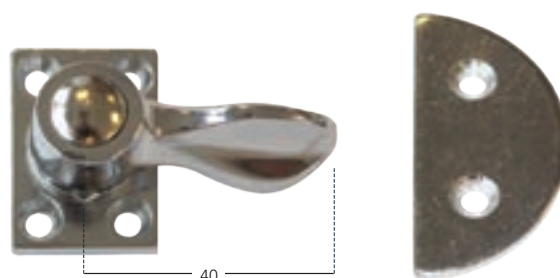
Chromium Plated

**FMSC2936/F** Fastener

- Base plate: L34 x W24mm
- 4 x  $\varnothing 4\text{mm}$  Fixing holes
- wgt. 0.05kg

**FMSC2936/P** Plate

- L47 x W23mm
- 2 x  $\varnothing 4\text{mm}$  Fixing holes
- wgt. 0.02kg



## Graveley / Turnbuckle Fastener

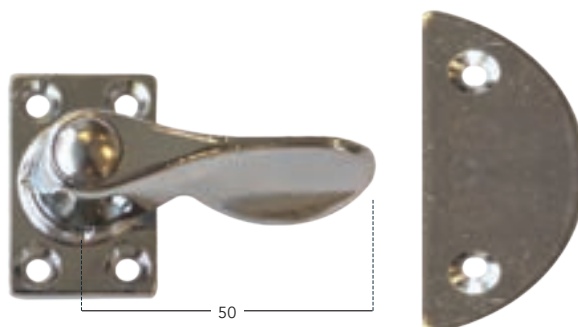
Chromium Plated

**FMSC2899/F** Fastener

- Base plate: L40 x W25mm
- 4 x  $\varnothing 4\text{mm}$  Fixing holes
- wgt. 0.09kg

**FMSC2899/P** Plate

- L64 x W27mm
- 2 x  $\varnothing 4\text{mm}$  Fixing holes
- wgt. 0.03kg



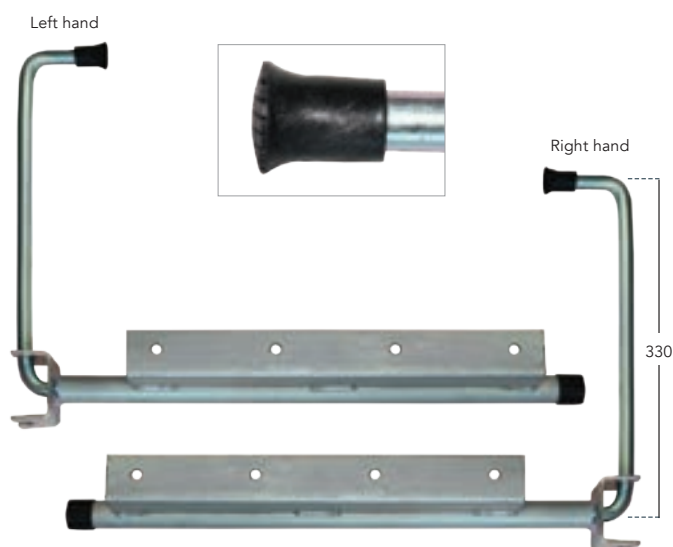
## Door Retainer

CP350 Surface Coated

**FRET25987/CP/LH** Left hand

**FRET25987/CP/RH** Right hand

- Plastic door stop end
- Body length: 465mm
- Arm length: 330mm
- 4 x ø8mm Fixing holes
- Heavy duty internal spring holds the door firmly in place
- CP350 – Clear passivated surface coating – 350+ hours salt spray tested
- wgt. 2.40kg



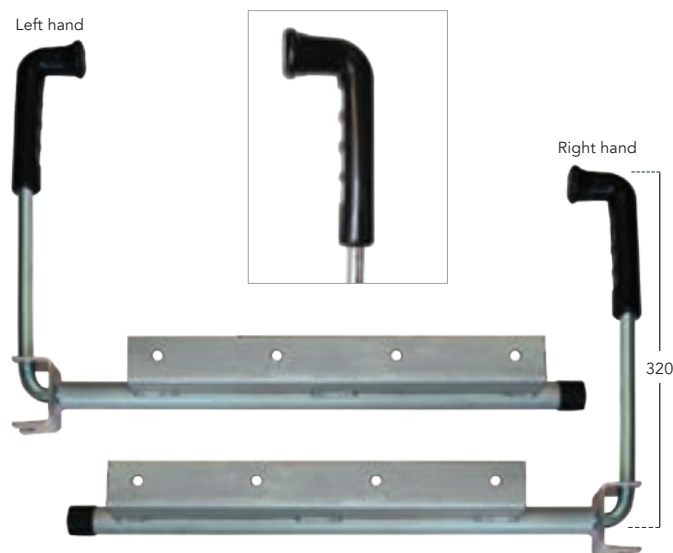
## Door Retainer

CP350 Surface Coated

**FRET25987PG/CP/LH** Left hand

**FRET25987PG/CP/RH** Right hand

- Plastic hand grip & door stop end
- Body length: 465mm
- Arm length: 320mm
- 4 x ø8mm Fixing holes
- Heavy duty internal spring holds the door firmly in place
- CP350 – Clear passivated surface coating – 350+ hours salt spray tested
- wgt. 2.45kg

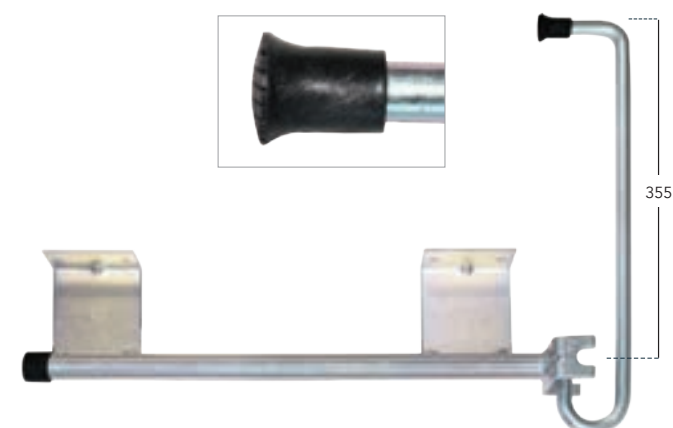


## Door Retainer

CP350 Surface Coated

**FRET37500/CP/UNI** Universal fitment

- Plastic door stop end
- Body length: 465mm
- Arm length: 355mm
- 4 x ø6mm Fixing holes
- Grease nipple
- Suitable for both left hand & right hand fitment
- Heavy duty internal spring holds the door firmly in place
- CP350 – Clear passivated surface coating – 350+ hours salt spray tested
- wgt. 1.95kg

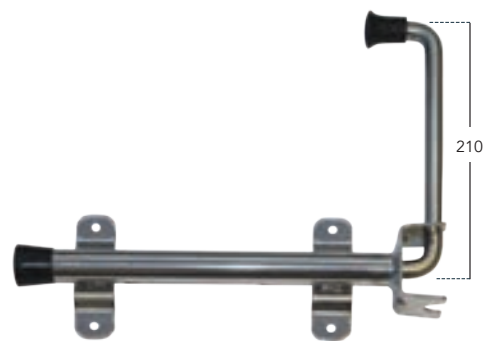


## 'Mini' Door Retainer

Stainless Steel

**MRF405030202** Universal fitment

- Plastic door stop end
- 304G Stainless Steel
- Body length: 280mm
- Arm length: 210mm
- 4 x ø6mm Fixing holes
- Typically used on small temperature controlled vehicles
- Suitable for both left hand & right hand fitment
- Heavy duty internal spring holds the door firmly in place
- wgt. 1.21kg



## Door Retainer

Stainless Steel

**MRF405030201** Universal fitment

- Plastic door stop end
- 304G Stainless Steel
- Body length: 465mm
- Arm length: 280mm
- 4 x ø6mm Fixing holes
- Suitable for both left hand & right hand fitment
- Heavy duty internal spring holds the door firmly in place
- wgt. 2.50kg

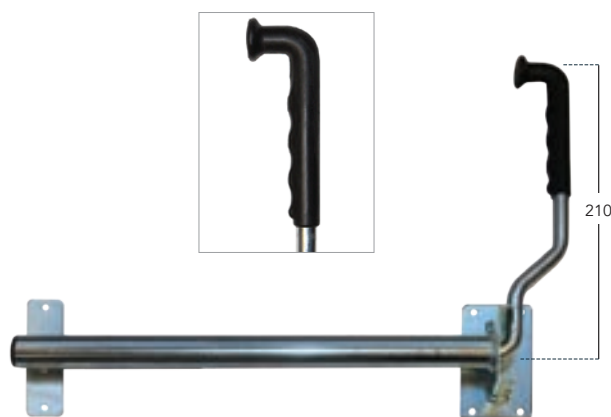


## 'Mini' Door Retainer

Zinc Plated

**FRET39028/PG/ZP** Universal fitment

- Plastic hand grip and door stop end
- Body length: 390mm
- Arm length: 210mm
- 4 x ø6mm Fixing holes
- Suitable for both left hand & right hand fitment
- Heavy duty internal spring holds the door firmly in place
- wgt. 1.68kg



## Door Retainer

Aluminium Body

**FRET631901/ALG** Universal fitment

- Plastic hand grip and door stop end
- Body length: 502mm
- Arm length: 310mm
- 4 x ø8.5mm Fixing holes
- Adjustable mounting brackets
- Suitable for both left hand & right hand fitment
- Heavy duty internal spring holds the door firmly in place
- wgt. 1.89kg



## Cabin Hook and Staple

Zinc Plated

### FRET28/255ZP

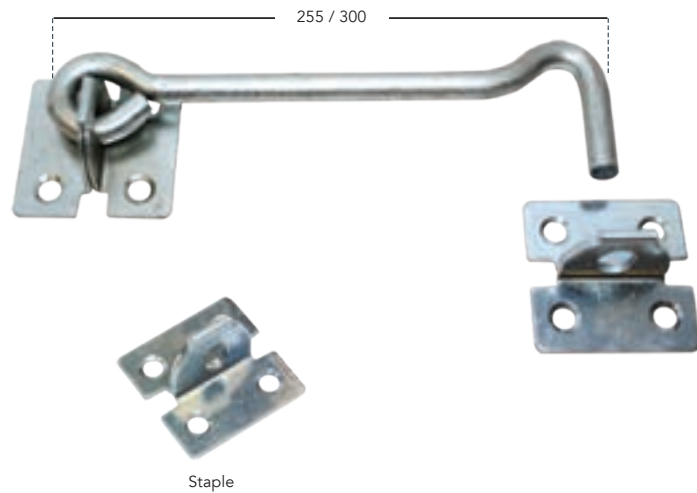
- Hook length: 255mm
- wgt. 0.19kg

### FRET28/300ZP

- Hook length: 300mm
- wgt. 0.21kg
- Supplied complete with staple
- $\varnothing 6.5$ mm Countersunk fixing holes

### FRET28/S

- Staple only
- $\varnothing 6.5$ mm Countersunk fixing holes
- L43 x W42mm
- wgt. 0.03kg

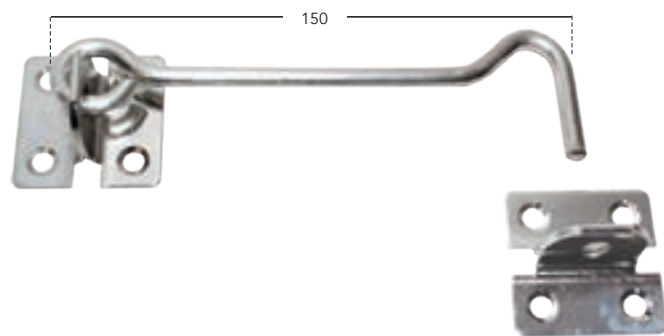


## Cabin Hook and Staple

Stainless Steel

### FRET25/150SS

- Hook length: 150mm
- 304G Stainless Steel
- Supplied complete with staple
- $\varnothing 6.5$ mm Countersunk fixing holes
- Corrosion resistant
- wgt. 0.12kg



## Hasp & Staple

Zinc Plated

### FHSP617/75ZP

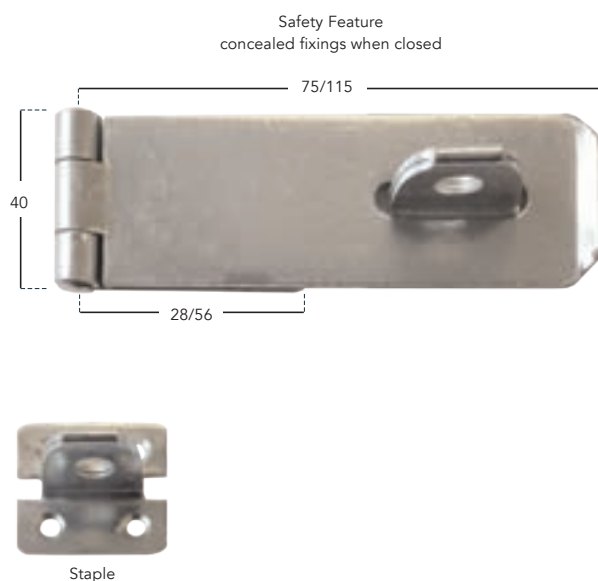
- L75 x W40 x T2.0mm
- 2 x  $\varnothing 6$ mm Countersunk fixing holes
- Supplied complete with staple
- wgt. 0.11kg

### FHSP617/115ZP

- L115 x W40 x T2.0mm
- 4 x  $\varnothing 6$ mm Countersunk fixing holes
- Supplied complete with staple
- wgt. 0.15kg

### FHSP617/S

- Staple only
- L43 x W42mm
- $\varnothing 6$ mm Countersunk fixing holes
- wgt. 0.03kg

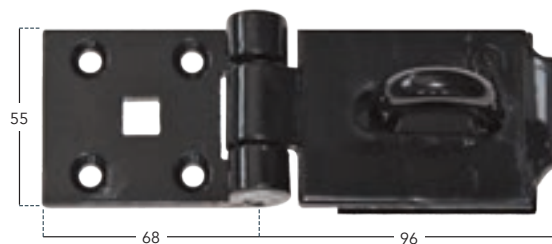


## Hasp & Staple

Epoxy Black Powder Coated

### FHSP4507/150

- Hasp mounting: L55 x W68 x T4.5mm
- Staple: L65 x W54mm
- Heavy duty design
- $\varnothing 6$ mm Countersunk fixing holes
- wgt. 0.55kg

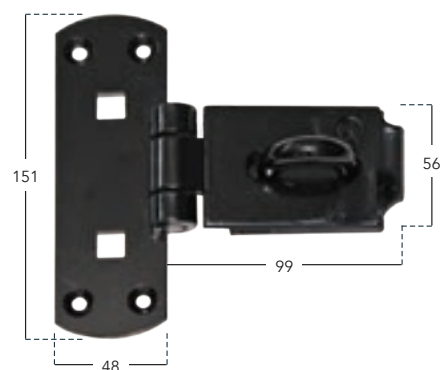


## Hasp & Staple

Epoxy Black Powder Coated

### FHSP4195/150

- Hasp mounting: L151 x W48 x T4.5mm
- Staple: L64 x W55mm
- Heavy duty design
- $\varnothing 5.8$ mm Countersunk fixing holes
- wgt. 0.55kg



## Hasp & Staple

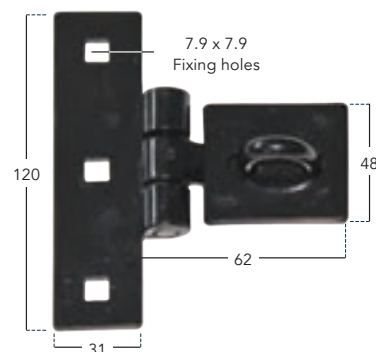
Black Painted

### FHSP4196/125

- Hasp mounting: L120 x W31 x T4mm
- Staple: L39 x W39mm
- Heavy duty design
- 7.9mm Square fixing holes
- wgt. 0.24kg

### FHSP4196/S

- Staple only
- wgt. 0.06kg

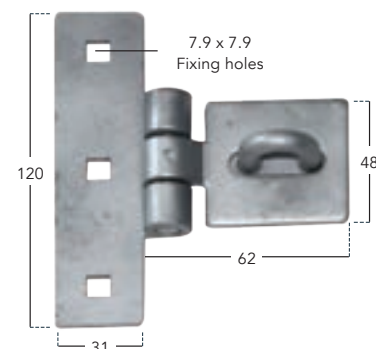


## Hasp & Staple

Galvanized

### FHSP4196/125GV

- Hasp mounting: L120 x W31 x T4mm
- Staple: L39 x W39mm
- Heavy duty design
- 7.9mm Square fixing holes
- wgt. 0.24kg



## Avex Rivets – 1604, 1641 & 1661 Series



The multi-grip Avex® rivet is a flagship product in the Avdel® rivet portfolio due to its high levels of quality and reliability achieved through decades of manufacturing expertise. The Avex® aluminum rivet is a multi-grip, breakstem fastener with a retained stem. It features good hole fill and a large blind-side bearing area, making the Avex® ideal for use in thin sheet materials.

This aluminum rivet has a long and reliable track record in a wide range of applications and industries. Assembly applications include automotive, commercial vehicles, domestic appliances, electronics, electrical equipment, general light industrial, and heating and ventilating. Avex® can be used to fasten metal to metal, plastic to plastic, metal to plastic, and metal rear sheet.

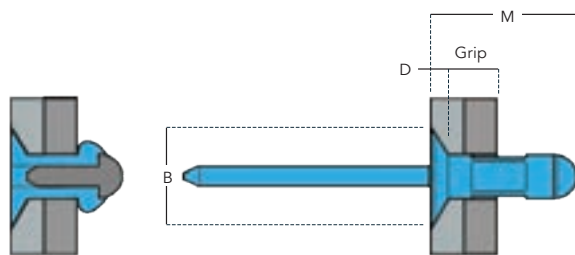
- Non-structural breakstem rivet • Retained stem
- Blind hole, one-sided installation capability
- Multi-grip capability • Good hole fill
- Provides a large blind side bearing area against the rear sheet
- One fastener can be used to replace several standard grip fasteners
- Accommodates wide variations in material thickness
- Spreads the tail bearing load/clamp on the rear sheet
- Ideal for use in thin sheet materials
- Compensates for irregular, oversized, slotted, or misaligned holes
- Can stop sheet movement in non-standard holes
- Provides strong, vibration-resistant joints
- No damage, electrical problems, or rattling due to loose stems



### Avex – 1604 Series

120° Countersunk Head

- Body: aluminium alloy – plain finish
- Stem: low carbon steel – zinc coated

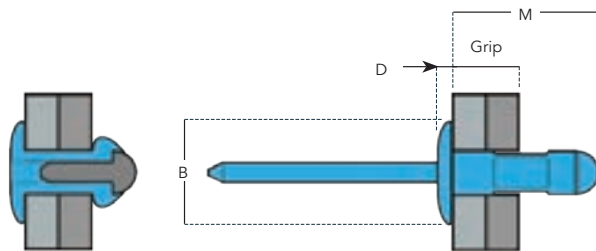


| Nominal Size (mm) | Part No.    | Grip Range (mm) |      | M (mm) | B (mm) | D (mm) | Box Quantity (1000) | Box Weight (kg) |
|-------------------|-------------|-----------------|------|--------|--------|--------|---------------------|-----------------|
|                   |             | Min             | Max  | Max    | Max    | Max    |                     |                 |
| 4.8               | AV1604/0615 | 3.2             | 7.9  | 15.5   | ∅9.00  | 1.8    | 5                   | 13.7            |
| 4.8               | AV1604/0621 | 6.3             | 12.7 | 20.4   | ∅9.00  | 1.8    | 4                   | 12.4            |

### Avex – 1661 Series

Low Profile Head

- Body: aluminium alloy – plain finish
- Stem: low carbon steel – zinc coated

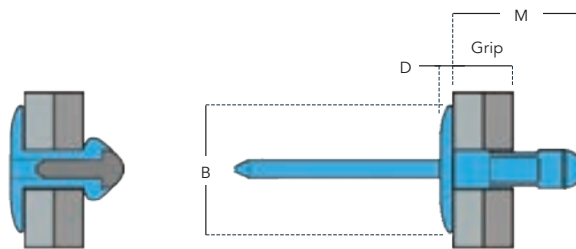


| Nominal Size (mm) | Part No.    | Grip Range (mm) |      | M (mm) | B (mm) | D (mm) | Box Quantity (1000) | Box Weight (kg) |
|-------------------|-------------|-----------------|------|--------|--------|--------|---------------------|-----------------|
|                   |             | Min             | Max  | Max    | Max    | Max    |                     |                 |
| 3.2               | AV1661/0412 | 1.2             | 6.3  | 12.0   | ∅6.70  | 1.3    | 8                   | 8.1             |
| 3.2               | AV1661/0414 | 4.0             | 7.9  | 16.0   | ∅6.70  | 1.3    | 8                   | 8.6             |
| 4.8               | AV1661/0613 | 1.6             | 6.3  | 13.9   | ∅10.10 | 1.8    | 5                   | 14.0            |
| 4.8               | AV1661/0619 | 4.8             | 11.1 | 18.7   | ∅10.10 | 1.8    | 4                   | 12.8            |
| 4.8               | AV1661/0621 | 4.8             | 12.7 | 20.2   | ∅10.10 | 1.8    | 4                   | 12.8            |
| 4.8               | AV1661/0631 | 4.8             | 19.8 | 28.2   | ∅10.10 | 1.8    | 3                   | 11.7            |

## Avex – 1641 Series

Large Flange

- Body: aluminium alloy – plain finish
- Stem: low carbon steel – zinc coated



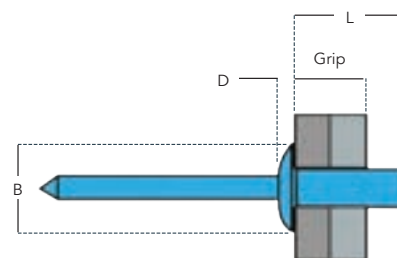
| Nominal Size (mm) | Part No.    | Grip Range (mm) |      | M (mm) | B (mm) | D (mm) | Box Quantity (1000) | Box Weight (kg) |
|-------------------|-------------|-----------------|------|--------|--------|--------|---------------------|-----------------|
|                   |             | Min             | Max  | Max    | Max    | Max    |                     |                 |
| 4.8               | AV1641/0613 | 1.6             | 6.3  | 13.9   | ø16.20 | 2.2    | 3.0                 | 9.90            |
| 4.8               | AV1641/0621 | 6.4             | 12.7 | 20.2   | ø16.20 | 2.2    | 2.0                 | 7.80            |
| 4.8               | AV1641/0631 | 12.7            | 19.8 | 28.2   | ø16.20 | 2.2    | 2.0                 | 8.80            |

## Closed End Blind Rivet – SR01 Series

The SR01 Series, fully sealed fastener is a blind rivet that produces a seal, which prevents passage of liquid or vapour. The seal is possible due to the cup shaped end configuration which prevents vapour or liquid from getting around or through the rivet

- Vapour and liquid resistant seal
- Unique cup-shaped configuration
- 100% Mandrel retention
- Accommodates wide variations in material thickness
- Blind hole, one sided installation capability
- Ideal for use in thin sheet materials
- Compensates for irregular, oversized, slotted or misaligned holes
- Provides strong, vibration resistant joints

- Body: aluminium alloy – polished finish
- Stem: low carbon steel – phosphated finish



| Nominal Size (mm) | Part No.    | Grip Range (mm) |      | B (mm) | D (mm) | L (mm) | Box Quantity (1000) | Box Weight (kg) |
|-------------------|-------------|-----------------|------|--------|--------|--------|---------------------|-----------------|
|                   |             | Min             | Max  | Max    | Max    | Max    |                     |                 |
| 4.8               | AVSR01/4895 | 3.5             | 4.5  | ø9.50  | 2.00   | 9.5    | 3.0                 | 6.75            |
| 4.8               | AVSR01/4811 | 4.5             | 6.0  | ø9.50  | 2.00   | 11.0   | 5.5                 | 11.11           |
| 4.8               | AVSR01/4812 | 6.0             | 7.5  | ø9.50  | 2.00   | 12.5   | 4.500               | 11.16           |
| 4.8               | AVSR01/4814 | 7.5             | 9.0  | ø9.50  | 2.00   | 14.0   | 4.500               | 11.79           |
| 4.8               | AVSR01/4816 | 9.0             | 11.0 | ø9.50  | 2.00   | 16.0   | 4.5                 | 12.21           |
| 4.8               | AVSR01/4818 | 11.0            | 13.0 | ø9.50  | 2.00   | 18.0   | 3.5                 | 10.40           |
| 4.8               | AVSR01/4821 | 13.0            | 16.0 | ø9.50  | 2.00   | 21.0   | 6.0                 | 19.79           |

### Avtainers – 2311 Series

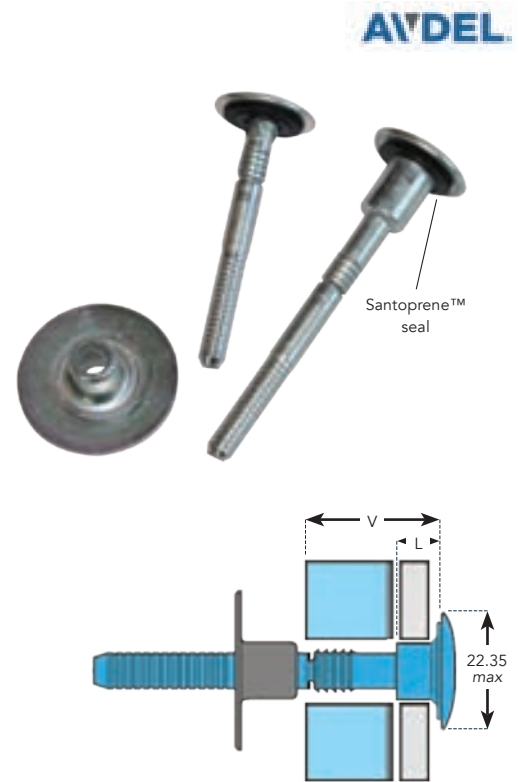
With a high shear strength due to the internally locked stem, the Avtainer® fastener creates a vibration-resistant joint which is also watertight – thanks to the unique under-head Santoprene™ seal.

This high-strength steel fastener is designed for joining composite panels to metal. Avtainer® can be used to fasten metal to metal and metal to GRP or composites. Assembly applications include commercial vehicles, containers and partitioning.

The Avtainer® prevents cracking and pull through of composite materials and is particularly successful in the assembly of GRP vehicle panels.

#### Ideal for the assembly of GRP vehicle panels

- Prevents cracking and pull through of composite materials
  - High shear strength for strong joint integrity
  - Underhead Santoprene™ seal
  - Internally locked stem provides a secure, vibration-resistant joint
  - Smaller shell size available for use against metal surfaces
  - Low-profile head and shell offer neat installed appearance
  - Optional encapsulated heads to match the surrounding panel colour
  - TIR approved – easy to inspect for tampering
- Pin: low carbon steel – zinc plated / JS500 coated
  - **AV2311/1209 & AV2311/1210** do not have shouldered pins

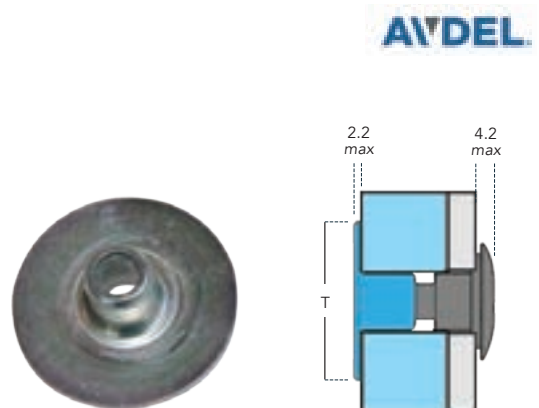


| Nominal Size (mm) | Part No.    | Grip Range (mm) |       | V (mm) Max | L (mm) Max | Box Quantity (1000) | Box Weight (kg) |
|-------------------|-------------|-----------------|-------|------------|------------|---------------------|-----------------|
|                   |             | Min             | Max   |            |            |                     |                 |
| 10.0              | AV2311/1209 | 12.70           | 15.87 | 14.3       | ----       | 0.800               | 13.74           |
| 10.0              | AV2311/1210 | 14.27           | 17.45 | 15.9       | ----       | 0.800               | 13.93           |
| 10.0              | AV2311/1211 | 15.87           | 19.05 | 17.5       | 4.6        | 0.800               | 15.31           |
| 10.0              | AV2311/1212 | 17.45           | 20.62 | 19.0       | 6.1        | 0.800               | 16.15           |
| 10.0              | AV2311/1213 | 19.05           | 22.22 | 20.6       | 7.9        | 0.400               | 8.48            |
| 10.0              | AV2311/1214 | 20.62           | 23.80 | 22.2       | 9.4        | 0.400               | 8.99            |
| 10.0              | AV2311/1215 | 22.22           | 25.40 | 23.8       | 10.9       | 0.350               | 8.67            |
| 10.0              | AV2311/1216 | 23.80           | 26.97 | 25.4       | 12.5       | 0.350               | 9.07            |
| 10.0              | AV2311/1217 | 25.40           | 28.57 | 27.0       | 14.2       | 0.350               | 9.31            |
| 10.0              | AV2311/1218 | 26.97           | 30.15 | 28.6       | 14.2       | 0.300               | 8.28            |
| 10.0              | AV2311/1219 | 28.57           | 31.75 | 30.2       | 14.2       | 0.600               | 16.89           |
| 10.0              | AV2311/1220 | 30.15           | 33.32 | 31.7       | 14.2       | 0.600               | 17.37           |

### Avtainer Shell – 2321 Series

- Suitable for use with **AV2311** Avtainer bolts
  - Incorporates a nylon locking slug
- Shell: low carbon steel – zinc plated / clear passivated

| Part No.    | T (mm) Nom | Box Quantity (1000) | Box Weight (kg) |
|-------------|------------|---------------------|-----------------|
| AV2321/1200 | ø32.0      | 1.0                 | 11.93           |



## Avdelok – 2611 Series

The Avdelok® system offers high shear strength, high controlled clamp, and a wide selection of materials, head sizes, and collar options, giving this rivet an extensive variety of applications.

The Avdelok® structural lockbolt is quick to install and easy to inspect for tampering, making this the ideal rivet for heavy engineering.

- Sizes range from  $\varnothing 4.8$  to  $\varnothing 6.4$ mm
- High-strength, high-speed assembly.
- High shear and tensile strength.
- Excellent vibration resistance.
- Consistent, high performance.
- TIR approved – easy to inspect for tampering.
- Robust and rugged installation tools.
- Fasten metal to metal.
- Collars to suit: **AV2662** & **ARSF** series – see page 241

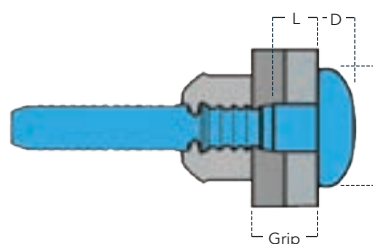


**AVDEL**

## Avdelok – 2611 Series

Brazier / Protruding Head

- Carbon boron steel – zinc plated / clear passivated



**AVDEL**

| Nominal Size (mm) | Part No.    | Grip Range (mm) |       | L (mm) | D (mm) | B (mm)             | Box Quantity (1000) | Box Weight (kg) |
|-------------------|-------------|-----------------|-------|--------|--------|--------------------|---------------------|-----------------|
|                   |             | Min             | Max   | Max    | Max    | Max                |                     |                 |
| 4.8               | AV2611/0603 | 3.96            | 5.56  | 5.13   | 3.4    | $\varnothing 10.1$ | 2.0                 | 10.65           |
| 4.8               | AV2611/0604 | 5.56            | 7.14  | 6.73   | 3.4    | $\varnothing 10.1$ | 1.5                 | 8.53            |
| 6.4               | AV2611/0803 | 3.96            | 5.56  | 5.23   | 4.1    | $\varnothing 13.4$ | 1.0                 | 10.66           |
| 6.4               | AV2611/0804 | 5.56            | 7.14  | 6.83   | 4.1    | $\varnothing 13.4$ | 1.0                 | 11.40           |
| 6.4               | AV2611/0805 | 7.14            | 8.74  | 8.41   | 4.1    | $\varnothing 13.4$ | 1.0                 | 11.80           |
| 6.4               | AV2611/0806 | 8.74            | 10.31 | 10.01  | 4.1    | $\varnothing 13.4$ | 0.900               | 10.79           |
| 6.4               | AV2611/0807 | 10.31           | 11.91 | 11.58  | 4.1    | $\varnothing 13.4$ | 0.900               | 11.28           |
| 6.4               | AV2611/0808 | 11.91           | 13.49 | 13.18  | 4.1    | $\varnothing 13.4$ | 0.900               | 10.91           |
| 6.4               | AV2611/0809 | 13.49           | 15.09 | 14.76  | 4.1    | $\varnothing 13.4$ | 1.0                 | 13.13           |

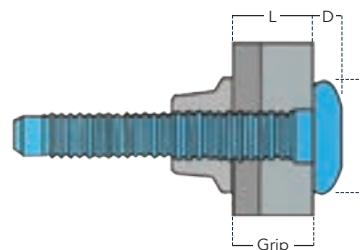
## Multi-Grip Lock Bolt – ARSM Series

Truss Head

The Multi-Grip lock bolt is a high performance fastener designed to meet the requirements of manufacturing industries using thin gauge back sheet materials in product assemblies. Provides high strength and good clamp-up, without deforming thin sheet metal.

The salient feature is the large load bearing tail formation

- Collars to suit: **AV2662** & **ARSF** series – see page 241



**TITGEMEYER**  
YOUR SOLUTION

| Nominal Size (mm) | Part No.        | Grip Range (mm) |      | L (mm) | D (mm) | B (mm)             | Box Quantity (1000) | Box Weight (kg) |
|-------------------|-----------------|-----------------|------|--------|--------|--------------------|---------------------|-----------------|
|                   |                 | Min             | Max  | Max    | Max    | Max                |                     |                 |
| 6.4               | RAF/ARSM0803M8  | 3.2             | 8.0  | 4.10   | 3.2    | $\varnothing 14.8$ | 1.5                 | 17.00           |
| 6.4               | RAF/ARSM0807M11 | 3.2             | 14.3 | 4.70   | 3.2    | $\varnothing 14.3$ | 1.5                 | 18.30           |

## Full Collars – 2662 Series

Suits AV2611 & ARSM Series

- Low carbon steel – zinc plated / clear passivated



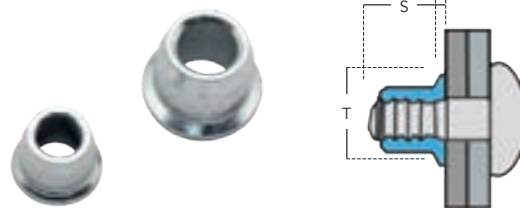
**AVDEL**

| Nominal Size (mm) | Part No.    | S (mm) | T (mm) | Box Quantity (1000) | Box Weight (kg) |
|-------------------|-------------|--------|--------|---------------------|-----------------|
| 4.8               | AV2662/0600 | 4.95   | ø11.91 | 10.0                | 12.00           |
| 6.4               | AV2662/0800 | 6.58   | ø15.09 | 4.0                 | 10.60           |

## Flanged Collars – ARSF Series

Suits AV2611 & ARSM Series

- Low carbon steel – zinc plated / clear passivated



**TITGEMEYER**  
YOUR SOLUTION

| Nominal Size (mm) | Part No.     | S (mm) | T (mm) | U (mm) | Box Quantity (1000) | Box Weight (kg) |
|-------------------|--------------|--------|--------|--------|---------------------|-----------------|
| 4.8               | RAF/ARSF0600 | 7.0    | ø10.00 | 1.60   | 7.5                 | 11.77           |
| 6.4               | RAF/ARSF0800 | 9.5    | ø13.20 | 2.00   | 3.0                 | 11.37           |

## Maxlok – 1901, 1903 & 1981 Series

**AVDEL**

The wide grip range of Maxlok® fasteners enables usage in a variety of situations, the high shear strength and superior, controlled clamp means the Maxlok® lockbolt is ideal for high-strength assembly and is best used to fasten metal to metal.

The wide grip range easily accommodates variations in material thickness. This two-piece rivet installs quickly and is versatile and secure. It offers consistent, high performance in a vibration-resistant lockbolt.

Assembly applications include automotive, building, construction, bridges, cabinets, commercial vehicles, fencing, railway, and reefer cool and dry freight containers.

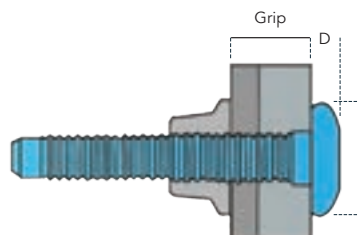
- Wide grip range to suit a wide variety of applications
- High shear and tensile strength
- High-strength, high-speed assembly
- Excellent vibration resistance
- Consistent, high performance
- TIR approved – easy to inspect for tampering



## Maxlok Bolts – 1901 Series

Brazier / Protruding Head

- Medium carbon steel – zinc plated / clear passivated



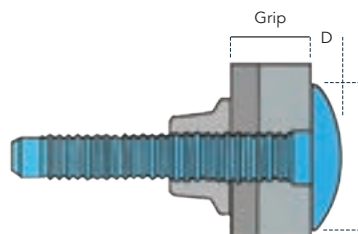
AVDEL

| Nominal Size (mm) | Part No.    | Grip Range (mm) |      | D (mm) | B (mm) | Box Quantity (1000) | Box Weight (kg) |
|-------------------|-------------|-----------------|------|--------|--------|---------------------|-----------------|
|                   |             | Min             | Max  | Max    | Max    |                     |                 |
| 6.4               | AV1901/0810 | 1.6             | 15.9 | 4.12   | 13.30  | 0.500               | 7.17            |
| 6.4               | AV1901/0820 | 7.9             | 31.7 | 4.12   | 13.30  | 0.750               | 13.28           |

## Maxlok Bolts – 1903 Series

Mushroom Head

- Medium carbon steel – zinc plated / clear passivated



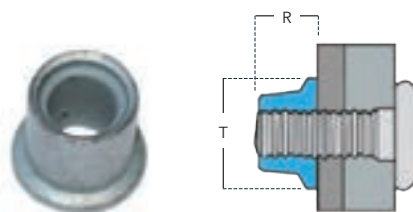
AVDEL

| Nominal Size (mm) | Part No.    | Grip Range (mm) |      | D (mm) | B (mm) | Box Quantity (1000) | Box Weight (kg) |
|-------------------|-------------|-----------------|------|--------|--------|---------------------|-----------------|
|                   |             | Min             | Max  | Max    | Max    |                     |                 |
| 6.4               | AV1903/0810 | 1.6             | 15.9 | 3.17   | 16.66  | 0.500               | 7.04            |
| 6.4               | AV1903/0820 | 7.9             | 31.7 | 3.17   | 16.66  | 0.750               | 13.08           |

## Maxlok Flanged Collar – 1981 Series

Suits AV1901 & AV1903 Series

- Medium carbon steel – zinc plated / clear passivated



AVDEL

| Nominal Size (mm) | Part No.    | R (mm) | T (mm) | Box Quantity (1000) | Box Weight (kg) |
|-------------------|-------------|--------|--------|---------------------|-----------------|
|                   |             | Max    | Max    |                     |                 |
| 6.4               | AV1981/0800 | 13.5   | ø13.20 | 2.0                 | 9.42            |

## Monobolt – 2771, 2711 & 2761 Series

Monobolt blind rivets are designed and developed for demanding applications where safety and performance is paramount to customer needs. It is the ideal solution for applications requiring one-sided access and a high-strength fastener.

These multi-grip structural breakstem fasteners provide a fully sealed joint and visible lock. Monobolt® rivets can be used to fasten metal to metal and metal to plastic.

Assembly applications include automotive, cabinets and enclosures, commercial vehicles, domestic appliances, heating and ventilating, and marine and hostile environments.

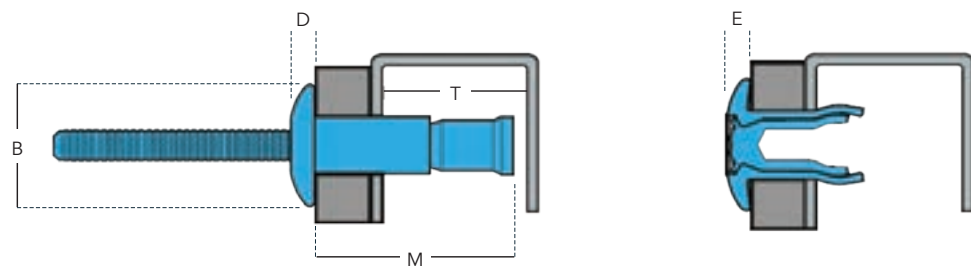
- Sizes range from  $\varnothing 4.8$  to  $\varnothing 6.4$ mm
- Structural breakstem rivet
- Stem mechanically locked into body
- Blind hole, one-sided installation capability
- Multi-grip capability
- High shear and tensile strength
- Good sheet take-up performance
- Visible lock for quick and easy inspection
- Excellent hole fill via rapidly expanded body
- One fastener can be used to replace several standard grip fasteners
- Compensates for irregular, oversized, slotted, or misaligned holes
- Can stop sheet movement in non-standard holes
- Large gap closing capability
- Provides very strong, vibration-resistant joints
- No damage, electrical problems, or rattling due to loose stems



## Monobolt – 2771 Series

Protruding Head

- Body: carbon steel – zinc plated / clear passivated
- Stem: carbon steel – zinc plated / clear passivated

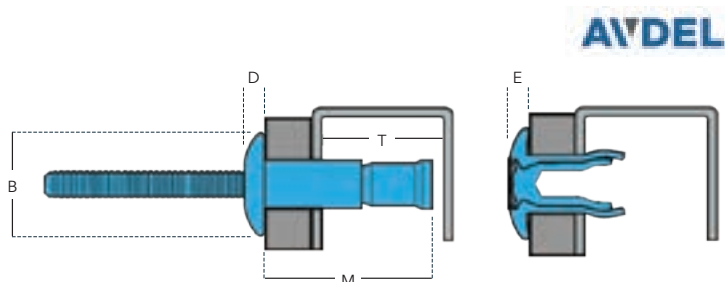


| Nominal Size (mm) | Part No.    | Grip Range (mm) |       | B (mm)              | D (mm) | E (mm) | M (mm) | T (mm) | Box Quantity (1000) | Box Weight (kg) |
|-------------------|-------------|-----------------|-------|---------------------|--------|--------|--------|--------|---------------------|-----------------|
|                   |             | Min             | Max   | Max                 | Max    | Max    | Max    | Min    |                     |                 |
| 4.8               | AV2771/0613 | 1.63            | 6.86  | $\varnothing 10.1$  | 2.1    | 1.9    | 18.2   | 10.5   | 3.0                 | 11.67           |
| 4.8               | AV2771/0617 | 1.63            | 11.10 | $\varnothing 10.1$  | 2.1    | 1.9    | 24.5   | 13.5   | 2.5                 | 11.17           |
| 6.4               | AV2771/0817 | 2.03            | 9.53  | $\varnothing 13.40$ | 2.9    | 2.7    | 23.7   | 12.2   | 1.5                 | 13.17           |
| 6.4               | AV2771/0824 | 2.03            | 15.87 | $\varnothing 13.40$ | 2.9    | 2.7    | 33.0   | 16.4   | 1.250               | 13.15           |

## Monobolt – 2711 Series

Protruding Head

- Body: stainless steel – natural finish
- Stem: stainless steel – natural finish

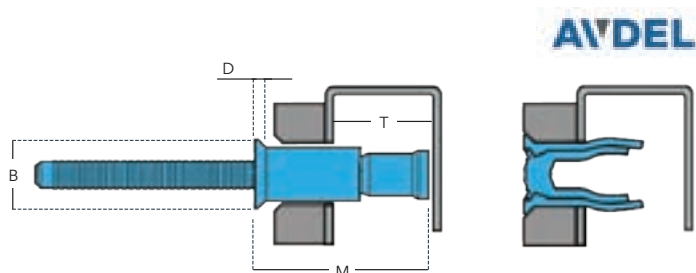


| Nominal Size (mm) | Part No.    | Grip Range (mm) |       | B (mm) | D (mm) | E (mm) | M (mm) | T (mm) | Box Quantity (1000) | Box Weight (kg) |
|-------------------|-------------|-----------------|-------|--------|--------|--------|--------|--------|---------------------|-----------------|
|                   |             | Min             | Max   | Max    | Max    | Max    | Max    | Min    |                     |                 |
| 6.4               | AV2711/0817 | 2.03            | 9.53  | ∅13.40 | 2.9    | 2.7    | 23.7   | 12.2   | 1.5                 | 12.95           |
| 6.4               | AV2711/0824 | 2.03            | 15.87 | ∅13.40 | 2.9    | 2.7    | 33.0   | 16.4   | 1.250               | 12.58           |

## Monobolt – 2761 Series

100° Countersunk Head

- Body: steel – zinc plated / clear passivated
- Stem: carbon steel – zinc plated / clear passivated



| Nominal Size (mm) | Part No.    | Grip Range (mm) |       | B (mm) | D (mm) | M (mm) | T (mm) | Box Quantity (1000) | Box Weight (kg) |
|-------------------|-------------|-----------------|-------|--------|--------|--------|--------|---------------------|-----------------|
|                   |             | Min             | Max   | Max    | Max    | Max    | Min    |                     |                 |
| 6.4               | AV2761/0821 | 3.17            | 12.07 | ∅10.3  | 2.4    | 12.2   | 1.5    | 3.0                 | 10.80           |

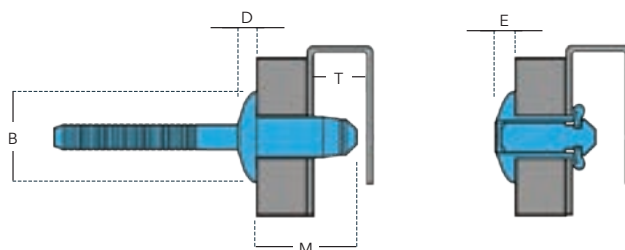
## Hemlok – 2221 Series

Brazier / Protruding Head

The Hemlok® rivet features an interference lock ensuring the strongest vibration-resistant joints. This structural breakstem fastener has exceptional shear and tensile strength and a large blind side bearing area against the rear sheet. The large blind side bearing area spreads the load and prevents creep.

The Avdel® Hemlok® fastener can be used to fasten metal to metal, metal to plastic, and thin sheet to thick metal.

- Structural breakstem rivet
- Retained stem
- Blind hole, one-sided installation capability
- Exceptional shear and tensile strength
- Large blind side bearing area against the rear sheet
- Interference lock formed by a splined stem
- Spreads the tail bearing/clamp load on the rear sheet
- Ideal for thin sheet materials
- Provides strong, vibration resistant joints
- No damage, electrical problems, or rattling due to loose stems
- Body: steel – zinc plated / clear passivated
- Stem: carbon steel – zinc plated / clear passivated



| Nominal Size (mm) | Part No.    | Grip Range (mm) |      | B (mm) | D (mm) | E (mm) | M (mm) | T (mm) | Box Quantity (1000) | Box Weight (kg) |
|-------------------|-------------|-----------------|------|--------|--------|--------|--------|--------|---------------------|-----------------|
|                   |             | Min             | Max  | Max    | Max    | Max    | Max    | Min    |                     |                 |
| 6.4               | AV2221/0815 | 4.80            | 6.8  | ∅13.4  | 2.7    | 3.4    | 17.0   | 12.2   | 1.5                 | 14.62           |
| 6.4               | AV2221/0819 | 8.80            | 10.8 | ∅13.4  | 2.7    | 3.4    | 21.0   | 12.2   | 1.5                 | 14.55           |
| 6.4               | AV2221/0821 | 10.80           | 12.8 | ∅13.4  | 2.7    | 3.4    | 23.0   | 12.2   | 1.5                 | 15.05           |

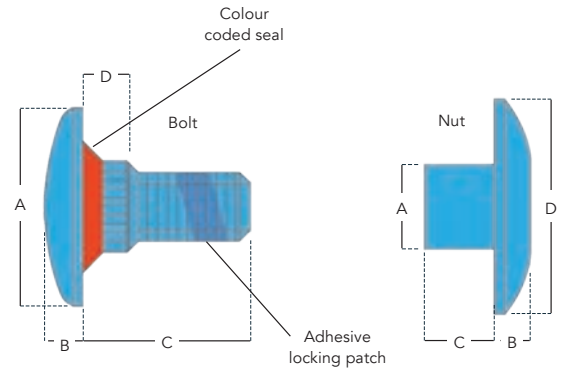
## Grip-Tainer – GT & GTN Series

The high strength GRIP-TAINER® system is designed to improve the assembly of commercial vehicle bodies.

The GRIP-TAINER® is ideally suited for the plastic honeycomb panel, as the clamp force can be controlled, unlike break-loaded fasteners.

GRIP-TAINER's are removable, re-usable, sealed and come with a high grade plating specification.

- Fully sealed
- Controlled clamp
- No expensive tooling required
- No waste material
- Re-usable
- High speed placing
- Colour coded seals
- Can be supplied with plastic encapsulated heads
- Robust plating
- Low profile
- Tamperproof
- Recommended hole size: **10.3mm**
- Thread: **5/16 UNC**
- Shear strength: **14Kn**
- Tensile strength: **20Kn**
- Recommended assembly torque: **17-20Kn**
- Drive bit: **T55**
- Grip range can be achieved by using the corresponding adjacent nut, For example: **GT1B/BLK & GTN1/ZP** when used in conjunction will have a 17.90 – 19.70mm grip range



### Bolt

| Part No.  | Grip Range (mm) |       | A (mm) | B (mm) | C (mm) | D (mm) | Box Q'ty (1000) | Box Wgt (kg) | Seal Colour |
|-----------|-----------------|-------|--------|--------|--------|--------|-----------------|--------------|-------------|
|           | Min             | Max   |        |        |        |        |                 |              |             |
| GT00B/BRN | 13.00           | 14.90 | 23.10  | 5.08   | 14.00  | 5.50   | 0.100           | 1.33         | Yellow      |
| GT0B/WHT  | 14.50           | 15.60 | 23.10  | 5.08   | 16.00  | 5.50   | 0.100           | 1.40         | White       |
| GT0B/WHT  | 14.50           | 17.40 | 23.10  | 5.08   | 16.00  | 5.50   | 0.100           | 1.40         | White       |
| GT0B/WHT  | 18.50           | 20.50 | 23.10  | 5.08   | 16.00  | 5.50   | 0.100           | 1.40         | White       |
| GT1B/BLK  | 17.90           | 19.70 | 23.10  | 5.08   | 19.05  | 6.60   | 0.100           | 1.53         | Black       |
| GT1B/BLK  | 20.00           | 23.50 | 23.10  | 5.08   | 19.05  | 6.60   | 0.100           | 1.53         | Black       |
| GT2B/BLU  | 21.30           | 23.10 | 23.10  | 5.08   | 22.20  | 6.60   | 0.100           | 1.61         | Blue        |
| GT2B/BLU  | 20.60           | 25.60 | 23.10  | 5.08   | 22.20  | 6.60   | 0.100           | 1.61         | Blue        |
| GT2B/BLU  | 23.20           | 27.20 | 23.10  | 5.08   | 22.20  | 6.60   | 0.100           | 1.61         | Blue        |
| GT3B/YEL  | 24.50           | 25.90 | 23.10  | 5.08   | 25.40  | 9.50   | 0.100           | 1.78         | Yellow      |
| GT3B/YEL  | 24.50           | 28.70 | 23.10  | 5.08   | 25.40  | 9.50   | 0.100           | 1.78         | Yellow      |
| GT3B/YEL  | 25.80           | 30.40 | 23.10  | 5.08   | 25.40  | 9.50   | 0.100           | 1.78         | Yellow      |
| GT4B/RED  | 31.20           | 32.60 | 23.10  | 5.08   | 31.75  | 9.50   | 0.100           | 1.96         | Red         |
| GT4B/RED  | 31.20           | 34.20 | 23.10  | 5.08   | 31.75  | 9.50   | 0.100           | 1.96         | Red         |
| GT4B/RED  | 31.20           | 36.50 | 23.10  | 5.08   | 31.75  | 9.50   | 0.100           | 1.96         | Red         |
| GT4B/RED  | 35.80           | 42.50 | 23.10  | 5.08   | 31.75  | 9.50   | 0.100           | 1.96         | Red         |
| GT5B/GRN  | 37.70           | 40.30 | 23.10  | 5.08   | 38.50  | 12.3   | 0.100           | 2.40         | Green       |
| GT5B/GRN  | 37.70           | 43.20 | 23.10  | 5.08   | 38.50  | 12.3   | 0.100           | 2.40         | Green       |
| GT5B/GRN  | 39.40           | 50.30 | 23.10  | 5.08   | 38.50  | 12.3   | 0.100           | 2.40         | Green       |

### Corresponding Nut

| Part No. | A (mm) | B (mm) | C (mm) | D (mm) | Box Q'ty (1000) | Box Wgt (kg) |
|----------|--------|--------|--------|--------|-----------------|--------------|
| GTN0/ZP  | 9.85   | 3.94   | 7.00   | 25.40  | 0.100           | 1.34         |
| GTN0/ZP  | 9.85   | 3.94   | 7.00   | 25.40  | 0.100           | 1.34         |
| GTN1/ZP  | 9.85   | 3.94   | 9.52   | 25.40  | 0.100           | 1.38         |
| GTN2/ZP  | 9.85   | 3.94   | 12.70  | 25.40  | 0.100           | 1.47         |
| GTN1/ZP  | 9.85   | 3.94   | 9.52   | 25.40  | 0.100           | 1.38         |
| GTN2/ZP  | 9.85   | 3.94   | 12.70  | 25.40  | 0.100           | 1.47         |
| GTN1/ZP  | 9.85   | 3.94   | 9.52   | 25.40  | 0.100           | 1.38         |
| GTN2/ZP  | 9.85   | 3.94   | 12.70  | 25.40  | 0.100           | 1.47         |
| GTN3/ZP  | 9.85   | 3.94   | 15.87  | 25.40  | 0.100           | 1.55         |
| GTN1/ZP  | 9.85   | 3.94   | 9.52   | 25.40  | 0.100           | 1.38         |
| GTN2/ZP  | 9.85   | 3.94   | 12.70  | 25.40  | 0.100           | 1.47         |
| GTN3/ZP  | 9.85   | 3.94   | 15.87  | 25.40  | 0.100           | 1.55         |
| GTN1/ZP  | 9.85   | 3.94   | 9.52   | 25.40  | 0.100           | 1.38         |
| GTN2/ZP  | 9.85   | 3.94   | 12.70  | 25.40  | 0.100           | 1.47         |
| GTN3/ZP  | 9.85   | 3.94   | 15.87  | 25.40  | 0.100           | 1.55         |
| GTN4/ZP  | 9.85   | 3.94   | 25.80  | 25.40  | 0.100           | 1.80         |
| GTN2/ZP  | 9.85   | 3.94   | 12.70  | 25.40  | 0.100           | 1.47         |
| GTN3/ZP  | 9.85   | 3.94   | 15.87  | 25.40  | 0.100           | 1.55         |
| GTN4/ZP  | 9.85   | 3.94   | 25.80  | 25.40  | 0.100           | 1.80         |

## Hydro-Pneumatic Rivet Tool

Medium Duty

The V10XL is designed for the installation of a wide range of fasteners including Avex, Avinox, Bulbex, Hemlok & Monobolts

### RIV/V10XL/SR

- Supplied with 4.0, 4.8 & 6.4mm nose pieces
- Lightweight tool – reduces operator fatigue
- Toughened plastic body and heavy duty rubber base
- Very competitively priced
- Vacuum air supply cut-off trigger
- Soft rubber grip on handle
- Integrated vacuum system
- High placement speed
- Supplied with: nosepieces (as above), priming syringe, hydraulic oil, 3 x spanners and a robust carry case
- wgt. 1.70kg

### Placing Capability

| Fastener Type  | Fastener Size (mm) |     |
|----------------|--------------------|-----|
|                | 4.8                | 6.4 |
| Avex           | •                  |     |
| Avinox         | •                  |     |
| Bulbex         | •                  |     |
| Hemlok         | •                  | •   |
| Monobolt       | •                  | •   |
| Standard Rivet | •                  | •   |
| Sealed Rivet   | •                  | •   |



## Hydro-Pneumatic Structural Rivet Tool

Heavy Duty

The FHU05 is designed for the installation of Lockbolt fasteners including, Avdelok, Avtainer, & Maxlok

### RIV/FHU05

- Supplied as a base tool only, simply add the required nose assembly (shown below)
- Places a wide range of fasteners
- Robust tool
- Toughened plastic body and heavy duty rubber base
- Very competitively priced
- High placement speed
- Minimized air consumption
- 2kN Pulling force
- Supplied with: 5mm allen key, hydraulic oil, air line hose attachment, mandrel guard, nosepiece adaptor, instruction manual
- wgt. 2.65kg

### Nose Assembly Matrix

| Fastener Type | Nose assembly Part No. | Fastener Size (mm) |     |      |
|---------------|------------------------|--------------------|-----|------|
|               |                        | 4.8                | 6.4 | 10.0 |
| Avdelok       | X-RIV993003            | •                  |     |      |
| Avdelok       | X-RIV993006            |                    | •   |      |
| Avtainer      | X-RIVFNA014            |                    |     | •    |
| Maxlok        | X-RIV991456            | •                  |     |      |
| Maxlok        | X-RIV991458            |                    | •   |      |



## Long Arm Rivet Tool

Places up to  $\varnothing 6.4$ mm Rivets

The main body is manufactured in a high density aluminium casting.

The levers and the anchoring are made of the highest quality steel, providing the tool with a greater resistance

### BM164/02BM01642

- Solid, safe and durable tool
- For use both in and outdoors
- Ergonomic handles that facilitate the riveting process
- Complete with a mandrel collector that contributes to the cleanliness and safety of the working area and a cavity to hold the additional nose pieces
- Length: 405mm • Capacity: up to  $\varnothing 6.4$ mm rivets
- wgt. 1.42kg

### Placing Capability

| Rivet Dia.<br>(mm) | Material  |       |                 |        |
|--------------------|-----------|-------|-----------------|--------|
|                    | Aluminium | Steel | Stainless Steel | Copper |
| 4.8                | •         | •     | •               | •      |
| 5.0                | •         | •     | •               | •      |
| 6.0                | •         | •     | •               |        |
| 6.4                | •         | •     | •               |        |
| 6.5 Structural     | ○ ○       | ○ ○   | ○ ○             |        |
| 5.2 s-Trebol       | ○         |       |                 |        |
| 6.4 s-Trebol       | ○         |       |                 |        |
| 7.7 s-Trebol       | ○ ○       |       |                 |        |



- Requires additional nosepiece
- ○ Requires additional nosepiece and jaws

## Lazy Tong Rivet Tool

Places up to  $\varnothing 6.4$ mm Rivets

### RIV/LT/3264

- Extra long nose for access in hard-to-reach riveting places
- Extension type tool that gives the possibility to set blind rivets using only one hand
- Main body and handle manufactured in a high density aluminium casting
- Comfortable handle for better riveting
- Length closed: 300mm • Length open: 810mm
- Capacity: up to  $\varnothing 6.4$ mm rivets
- wgt. 1.96kg

### Placing Capability

| Rivet Dia.<br>(mm) | Material  |       |                 |        |
|--------------------|-----------|-------|-----------------|--------|
|                    | Aluminium | Steel | Stainless Steel | Copper |
| 3.2                | •         | •     | •               | •      |
| 4.0                | •         | •     | •               | •      |
| 4.8                | •         | •     | •               | •      |
| 5.0                | •         | •     | •               |        |
| 6.0                | •         | •     | ○               |        |
| 6.4                | •         | ○     | ○               |        |



- Requires additional nosepiece

## Rope Hook – Bolt-on

Zinc Plated

**AROP103/ZP**

- ø13mm Hook
- Drop forged steel
- Plate: L90 x W22mm
- 2 x ø9mm Fixing holes
- wgt. 0.17kg



## Rope Hook – Bolt-on

Self Colour & Zinc Plated

**AROP3/OBSC** Self colour

**AROP3/OBZP** Zinc plated

- ø10mm Hook
- Drop forged steel
- Plate: L70 x W23mm
- 2 x ø8mm Countersunk fixing holes
- wgt. 0.07kg

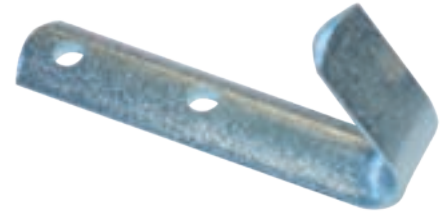


## Rope Hook – Bolt-on

Zinc Plated

**AROP20/75ZP**

- Pressed steel
- Plate: L93 x W20mm
- 2 x ø6.5mm Fixing holes
- wgt. 0.07kg



## Rope Hook – Bolt-on

Zinc Plated

**AROP226/ZP**

- Drop forged steel
- Plate: L45 x W25mm
- 2 x ø7mm Countersunk fixing holes
- wgt. 0.06kg



## Rope Cleat – Bolt-on

Zinc Plated

**AROP19/ZP**

- Drop forged steel
- Overall length: 106mm
- Plate: L45 x W25mm
- 2 x ø6.5mm Countersunk fixing holes
- wgt. 0.06kg



### Flat Backed Rope Hook – Weld-on

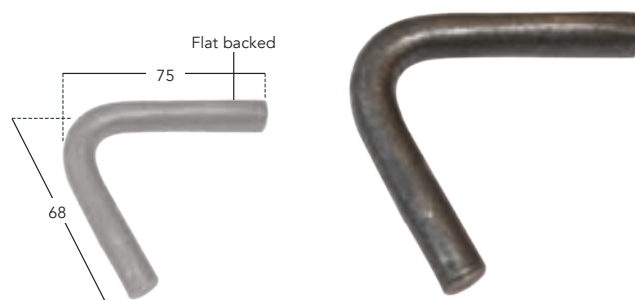
Self Colour

**AROP30/12** ø12mm Mild steel • wgt. 0.12kg

**AROP30/14** ø14mm Mild steel • wgt. 0.18kg

**AROP30/16** ø16mm Mild steel • wgt. 0.25kg

- Self colour

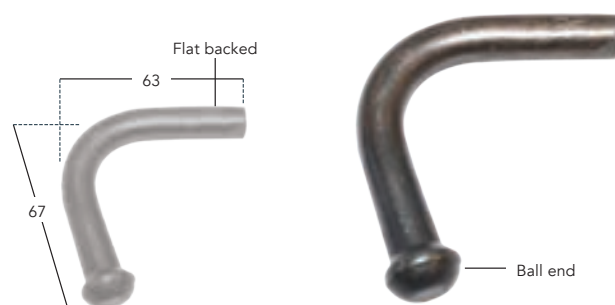


### Flat Backed Rope Hook with Ball-End – Weld-on

Self Colour

**AROP30/12BL**

- ø12mm Mild steel
- Commonly used on agricultural vehicles
- wgt. 0.12kg

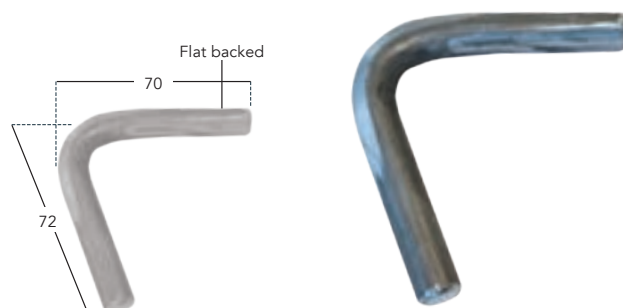


### Flat Backed Rope Hook – Weld-on

Aluminium

**AALL1197**

- ø12mm Aluminium
- wgt. 0.04kg



### Rope Hook – Bolt-on

Aluminium

**AALL1117**

- ø12mm Hook
- Plate: L85 x W22mm
- 2 x ø9mm Fixing holes
- wgt. 0.06kg



### Rope Hook – Bolt-on

Aluminium

**AALL1119**

- Plate: L44 x W25mm
- 2 x ø5mm Countersunk fixing holes
- wgt. 0.03kg



## Camera Monitor System

Maxi-View® Series

- The Maxi-View Series is a cost-effective, reliable camera monitor system which can incorporate up to 3 camera's
- Suitable for vans & rigid vehicles
- Camera's incorporate Automatic Gain Control (AGC), provides a clear image in both strong sunlight and low light conditions
- Wiring diagram included
- Easy to order, simply select the following:
  - 1) Camera input monitor
  - 2) Camera(s) required, maximum of 3
  - 3) Cable(s) required (1 per camera)

### Maxi-View® Camera Input Monitor



Suitable for 1 to 3 Cameras

maxi-View

LTMS477501/MO/DV

- W175 x H122 x D26mm (D60mm including visor)
- 12/24v Dual voltage
- Supplied complete with remote control
- 3 Camera / channel inputs
- 177mm (7") Colour screen
- Audio facility
- ECE R10 compliant
- 1900mm Fly lead
- 2 Year warranty
- Operating temperature: -20°C to +60°C
- wgt. 0.77kg



### Maxi-View® Rear Mounted Camera

maxi-View

LTMS477621/RM/DV

- W78 x H75 x D60mm
- CCD Image sensor • Colour
- Automatic Gain Control (AGC), provides a clear image in both strong sunlight and low light conditions
- Suitable for internal & external use
- 18 x Infra-red LED's
- 1300mm Fly lead
- Built in microphone
- Robust steel casing
- Operating temperature: -20°C to +60°C
- IP66 Rated
- wgt. 0.40kg



### Maxi-View® Side Mounted Camera

maxi-View

LTMS477622/SM/DV

- W75 x H62 x D96mm
- CCD Image sensor
- Colour
- Automatic Gain Control (AGC), provides a clear image in both strong sunlight and low light conditions
- Supplied with foam mounting pad
- 10 x Infra-red LED's
- 1300mm Fly lead
- Built in microphone
- Robust steel casing
- IP69K Rated
- Operating temperature: -20°C to +60°C
- wgt. 0.36kg



### Maxi-View® Compatible Cables

Connects Camera to Monitor

maxi-View

LTMS077525/5 5 Metre • wgt. 0.21kg

LTMS077519/20 20 Metre • wgt. 0.77kg

- Suit all Maxi-View camera systems



## Brigade Camera Monitor System

Single Camera Monitor System for Rigid Vehicles



### SELECT Series

#### LTMSVBV/770D/000DV

- Kit consists of:
  - 1 x monitor (VBV/770DM)
  - 1 x camera (VBV/700C/DV)
  - 1 x 20m cable (VBV/L420)
- 3 Year warranty
- wgt. 3.10kg

#### Monitor

- W182 x H122 x D27mm
- 12/24v Dual voltage
- 177mm (7") Colour screen
- 3 Camera inputs (choose from below, if required)

#### Camera

- W81 x H77 x D70mm
- W18 x Infra-red LED's
- Colour
- Day / night sensor
- Built in microphone
- IP67 Rated



## SELECT Series Rear Mounted Camera



#### LTMSVBV/700C/DV

- Replacement or additional camera to suit LTMSVBV/770D/000DV
- W81 x H77 x D70mm
- Colour
- 18 x Infra-red LED's
- Day / night sensor
- Built in microphone
- IP67 Rated
- wgt. 0.36kg



## SELECT Series Side Mounted Camera



#### LTMSVBV/320C/DV

- Additional camera to suit LTMSVBV/770D/000DV
- W57 x H41 x D68mm
- Colour
- 6 x Infra-red LED's
- Day / night sensor
- Built in microphone
- IP69K Rated
- wgt. 0.38kg



## SELECT Series Compatible Cables



Connects Camera to Monitor

LTMSVBV/L405 5 Metre • wgt. 0.36kg

LTMSVBV/L410 10 Metre • wgt. 0.70kg

LTMSVBV/L420 20 Metre • wgt. 1.35kg

- Suitable for use with LTMSVBV/770D/000DV



## BBS-TEK® White Sound® Reversing Alarm

The safest alarms in the world due to their instant locatability and directional sound. The multi-frequency alarms are only heard in the danger zone, thus eliminating noise nuisance for local residents.



**LTMS/BBS87/DV** 87 Decibels

- W105 x H65 x D32mm
- wgt. 0.19kg

**LTMS/BBS92/DV** 92 Decibels

- W105 x H65 x D37mm
- wgt. 0.21kg
- 12/24v Dual voltage
- IP68 Rated
- Lifetime warranty



### Features

- Multi-frequency broadband sound
- Instantly locatable
- Sound confined to danger area
- Eliminates noise nuisance
- Sounder unit: speaker
- Hole centres: 76mm

### Durability and Standards

- Mechanical vibration: 10G
- Operating temperature: -40°C to +85°C
- CE Marked
- EMC Approved: E
- SAE J994

### Power

- Current: max 0.5 Amps

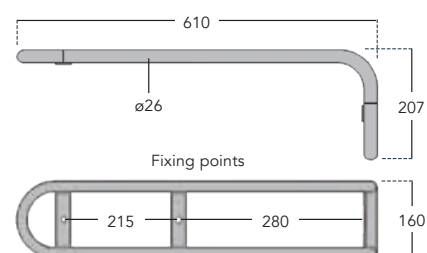
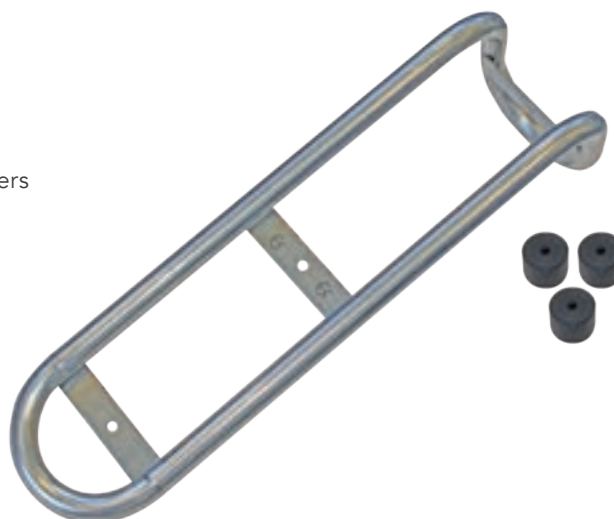
## Corner Protector

Stainless Steel

**MISC610160/CPSS**

- L610 x W160 x ø26mm Tube
- Ideally suited to the refrigerated transport industry
- Heavy duty construction
- Supplied with: 3 x ø35mm x D27mm rubber spacers / dampeners
- 3 x ø8.5mm Fixing holes
- Polished 304G stainless steel
- wgt. 1.20kg

PROTECT YOUR ASSET!



## Vehicle Conspicuity Tape

Oralite® (formerly Reflexite) VC104+ Grade



Oralite® by ORAFOL is the leading product brand within ECE104 approved marking tapes. The Oralite® brand reflective tapes are known for being not only safe and visible from up to 1000 metres away, but also tough and durable as well as easy to apply. The Oralite® VC104+ range includes a complete product line for application onto rigid bodies, onto circular tanker shapes, as well as onto curtain sided vehicles

- Outstanding long distance night time visibility
- Easy to handle, cut and apply
- No edge sealing required
- No risk of cracking
- Resistant to power washing
- Highly resistant to most industrial cleaning processes
- Single layer prismatic construction with adhesive backing
- Approved to ECE104 class C
- 10 Year warranty for rigid grade
- 3 Year warranty for curtain grade



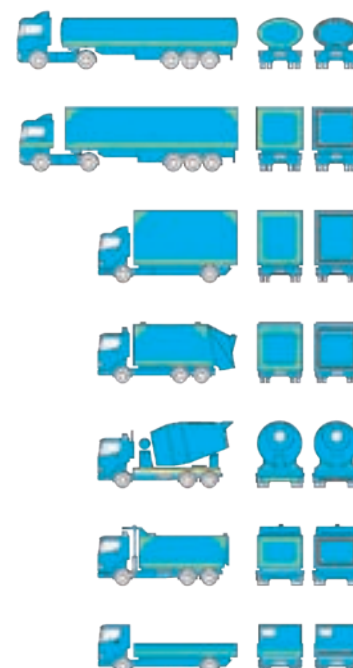
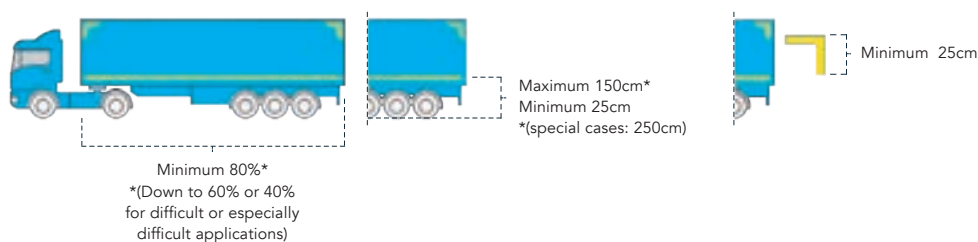
### Where should the conspicuity tape be applied?

**To the rear:** A full contour marking is required, i.e. a full 'box'.

**To the sides:** You can choose to do either a full contour ('box') marking, or a line marking of the length of the vehicle plus marking of the upper corners if the design of the vehicle allows for this. Minimum 80% of the length of the vehicle (excl. the length of the cab) must be marked.

The lower line of the marking tape must be placed a minimum of 25cm from the ground and a maximum height of 150cm. This can in special cases be extended to 250cm.

The length of the upper corner markings must be a minimum of 25cm. Upper corner markings should be applied as high as practical, but within 40cm of the upper extremity of the vehicle. In cases where a top corner marking is not possible due to the construction of the vehicle, a line marking on its own is allowed. It is also a good idea to mark the tractor (e.g. on the door) to visually get a marking of the full length of the vehicle, however this is not an obligation.



- Exact layout of the tape will depend on the design and intended use of the vehicle. Technical details are contained in European regulations on vehicle lights, paragraph 6.21 of UNECE Regulation 48.03

## Oralite® VC104+ Vehicle Conspicuity Tape

'Standard' Rigid Body Grade

12.5 Metre Rolls

**VCT104+/12.5R** Red

**VCT104+/12.5W** White

**VCT104+/12.5Y** Yellow

- W50mm x 12.5 Metre rolls
- Single layer prismatic construction with adhesive backing
- Polyester construction means no cracking and ensures mechanical stability
- #42 Adhesive for general application to rigid surfaces
- Approved to ECE 104 Class C
- 10 Year warranty
- Application instructions must be followed – available upon request
- wgt. 0.23kg



## Oralite® VC104+ Vehicle Conspicuity Tape

'Standard' Rigid Body Grade

50 Metre Rolls

**VCT104+/50R** Red

**VCT104+/50W** White

**VCT104+/50Y** Yellow

- W50mm x 50 Metre rolls
- Single layer prismatic construction with adhesive backing
- Polyester construction means no cracking and ensures mechanical stability
- #42 Adhesive for general application to rigid surfaces
- Approved to ECE 104 Class C
- 10 Year warranty
- Application instructions must be followed – available upon request
- wgt. 0.92kg



## Oralite® VC104+ Vehicle Conspicuity Tape

'Superior' Rigid Body Grade

50 Metre Rolls

**VCT104+/50R/36ADHESIVE** Red

**VCT104+/50W/36ADHESIVE** White

**VCT104+/50Y/36ADHESIVE** Yellow

- W50mm x 50 Metre rolls
- Single layer prismatic construction with adhesive backing
- Polyester construction means no cracking and ensures mechanical stability
- #36 Adhesive for superior adhesion to stainless steel surfaces
- Approved to ECE 104 Class C
- 10 Year warranty
- Application instructions must be followed – available upon request
- wgt. 1.31kg



## Oralite® VC104+ Vehicle Conspicuity Tape

'Standard' Curtain Grade

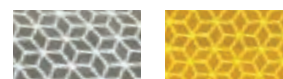
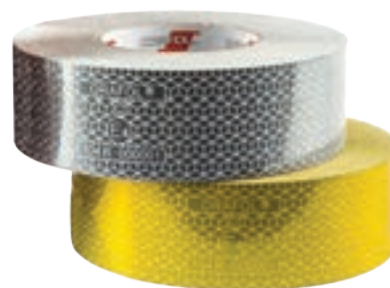
50 Metre Rolls



**VCT104+PSA/50W** White

**VCT104+PSA/50Y** Yellow

- W50mm x 50 Metre rolls
- Unique metalised vinyl construction with a pressure sensitive adhesive backing
- Flexes and stretches with the curtain – no risk of cracking
- Approved to ECE 104 Class C
- 3 Year warranty
- Application instructions must be followed – available upon request
- wgt. 1.00kg



## Oralite® VC104+ Vehicle Conspicuity Tape

'Segmented' Curtain Grade

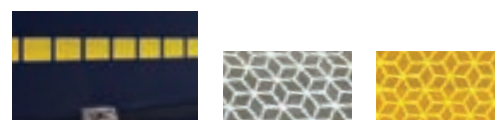
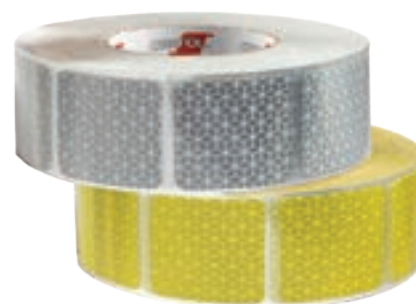
50 Metre Rolls



**VCT104+PSA/SEG50W** White

**VCT104+PSA/SEG50Y** Yellow

- W56mm x 50 Metre rolls
- Segment size: W48 x H50mm (6mm spacing)
- Applies as a single strip – no edge sealing required
- Unique metalised vinyl construction with a pressure sensitive adhesive backing
- Flexes and stretches with the curtain – no risk of cracking
- Approved to ECE 104 Class C
- 3 Year warranty (when applied to new curtains)
- Application instructions must be followed – available upon request
- wgt. 1.24kg



## Oralite® VC104+ Vehicle Conspicuity Tape

Tanker Stickers

50 Metre Rolls



**VCT104+/TANKER/50R** Red

**VCT104+/TANKER/50Y** Yellow

- 310 x Kiss-cut stickers per 50 metre roll – 160mm x 50mm
- Single layer prismatic construction with adhesive backing
- #36 Adhesive for superior adhesion to stainless steel and rigid surfaces
- Ideal solution for circular applications
- Polyester construction means no cracking and ensures mechanical stability
- Approved to ECE 104 Class C
- 10 Year warranty
- Application instructions must be followed – available upon request
- wgt. 0.92kg



## Oralite® VC104+ Imagine 'EVO' Vehicle Conspicuity Tape

'Standard' Rigid Body Grade – Digitally Printed with your own Logo



### 50 Metre Rolls

- Minimum order quantity of only 6 rolls
- No set-up fee
- Typical lead time is 3 weeks, from artwork approval
- Multi-colour or single colour print
- Logo printed at regular intervals
- Single layer prismatic construction with adhesive backing
- #42 Adhesive for general application to rigid surfaces
- No edge sealing required • Easy to cut, handle and apply
- Impact resistant • Powerwash resistant
- Available in rigid grade only
- Approved to ECE 104 Class C
- 3 Year warranty
- Application instructions must be followed – available upon request

Logo digitally printed directly onto face of tape



## Oralite® VC104+ Imagine Vehicle Conspicuity Tape

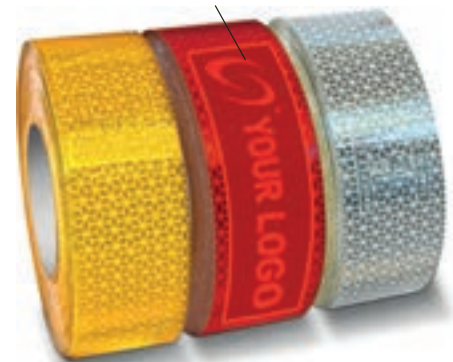
'Standard' Rigid Body Grade – Customised Tape with your own Logo



### 50 Metre Rolls

- Minimum order quantity of 60 rolls
- Typical lead time is 8-10 weeks, from artwork approval
- Available in rigid and curtain grade
- Logo is incorporated at regular intervals directly into the single layer prismatic construction
- #42 Adhesive for general application to rigid surfaces
- No edge sealing required
- Easy to cut, handle and apply
- Impact resistant
- Powerwash resistant
- Approved to ECE 104 Class C
- 10 Year warranty
- Application instructions must be followed – available upon request

Logo incorporated directly into the single layer prismatic construction



## Fire Extinguishers

### Dry Powder

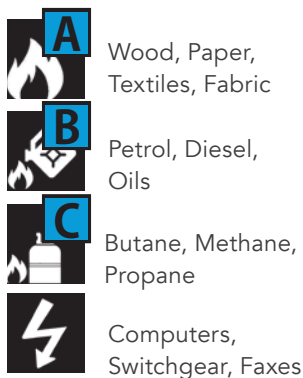
Dry powder extinguishers are an extremely versatile Class A, B & C fire-fighting medium for almost all fire risks.

In addition to dealing with electrical hazards, flammable liquids and gases, powder is also effective for vehicle fires.

| Part No.       | Capacity (kg) |
|----------------|---------------|
| FIREDC1/POWDER | 1             |
| FIREDC2/POWDER | 2             |
| FIREDC3/POWDER | 3             |
| FIREDC4/POWDER | 4             |
| FIREDC6/POWDER | 6             |
| FIREDC9/POWDER | 9             |



- Durable steel operating handles
- Controllable squeeze-grip operation
- Corrosion resistant finish
- Multi-purpose application
- Clip-on durable plastic base on 3kg, 4kg, 6kg & 9kg models
- Factory filled
- Pressure gauge
- Complete with corresponding bracket
- CE Approved
- Approved to BSEN 3
- Service record stickers available upon request



### Optional:

Universal Transport Bracket  
FIRETB016F/UNI



- Suits 4, 6 & 9kg models
- Adjustable strap for secure storage



See chart below for extinguisher sizes

| Part No.                  | FIREDC1/<br>POWDER       | FIREDC2/<br>POWDER | FIREDC3/<br>POWDER | FIREDC4/<br>POWDER    | FIREDC6/<br>POWDER | FIREDC9/<br>POWDER |
|---------------------------|--------------------------|--------------------|--------------------|-----------------------|--------------------|--------------------|
| Capacity (kg)             | 1                        | 2                  | 3                  | 4                     | 6                  | 9                  |
| Discharge Time (seconds)  | 8                        | 13-14              | 13-14              | 15-17                 | 19-20              | 24-25              |
| Throw Range (Metre)       | 3.0                      | 3.1                | 3.4                | 4.6                   | 5.0                | 6.0                |
| Fire Rating               | 8A 34B                   | 13A 89B            | 21A 113B           | 27A 144B              | 43A 233B           | 55A 233B           |
| Extinguisher Size (H x W) | 320 x 85mm               | 385 x 110mm        | 440 x 215mm        | 490 x 200mm           | 540 x 254mm        | 560 x 330mm        |
| Cylinder Diameter (D)     | 85                       | 110                | 110                | 130                   | 154                | 182                |
| Working Temperature       | -30°C to +60°C           |                    |                    |                       |                    |                    |
| Filled Weight (kg)        | 2                        | 3.7                | 5.2                | 6.4                   | 13.3               | 17.5               |
| Bracket Supplied          | Vehicle Mounting Bracket |                    |                    | Wall Mounting Bracket |                    |                    |
| Working Pressure (bar)    | 15                       | 15                 | 15                 | 15                    | 15                 | 15                 |

## Fire Extinguishers

### Foam

Foam fire extinguishers provide a quick and powerful means of tackling class A and B type fires.

Foam is a highly effective fire-fighting medium specifically when used against petrol and volatile liquids.

The foam forms a flame-smothering seal over the surface and prevents re-ignition, these units are ideal for multi-risk usage.

| Part No.      | Capacity (kg) |
|---------------|---------------|
| FIREFCE1/FOAM | 1             |
| FIREFCE2/FOAM | 2             |
| FIREFCE6/FOAM | 6             |
| FIREFCE9/FOAM | 9             |



- Durable steel operating handles
- Controllable squeeze-grip operation
- Corrosion resistant finish
- Multi-purpose application
- Clip-on durable plastic base on 6 & 9 litre models
- Factory filled
- Pressure gauge
- Complete with corresponding bracket
- CE Approved
- Approved to BSEN 3
- Service record stickers available upon request



Wood, Paper,  
Textiles, Fabric

Petrol, Diesel,  
Oils



See chart below  
for extinguisher sizes

### Optional:

Universal Transport Bracket  
FIRETB016F/UNI



- Suits 6 & 9kg models
- Adjustable strap for secure storage



| Part No.                  | FIREFCE1/<br>FOAM        | FIREFCE2/<br>FOAM | FIREFCE6/<br>FOAM     | FIREFCE9/<br>FOAM |
|---------------------------|--------------------------|-------------------|-----------------------|-------------------|
| Capacity (kg)             | 1                        | 2                 | 6                     | 9                 |
| Discharge Time (seconds)  | 8                        | 12                | 17                    | 17                |
| Throw Range (Metre)       | 3.0                      | 3.1               | 5.5                   | 6.0               |
| Fire Rating               | 5A 21B                   | 8A 55B            | 21A 144B              | 27A 233B          |
| Extinguisher Size (H x W) | 335 x 85mm               | 405 x 110mm       | 540 x 277mm           | 620 x 297mm       |
| Cylinder Diameter (D)     | 85                       | 110               | 162                   | 182               |
| Working Temperature       | +5°C to +60°C            |                   |                       |                   |
| Filled Weight (kg)        | 2.1                      | 3.8               | 9.6                   | 13.9              |
| Bracket Supplied          | Vehicle Mounting Bracket |                   | Wall Mounting Bracket |                   |
| Working Pressure (bar)    | 12                       | 15                | 15                    | 15                |

## Fire Extinguishers

### CO<sub>2</sub>

Important for its non-damaging highly effective performance and cleanliness.

Suitable for situations involving flammable liquids and electrical hazards. CO<sub>2</sub> Gas is harmless to delicate equipment and materials. Ideal for modern office environments, all electronic risks and where oils, spirits, solvents and waxes are in use.

| Part No.                | Capacity (kg) |
|-------------------------|---------------|
| FIREC2S/CO <sub>2</sub> | 2             |
| FIREC5/CO <sub>2</sub>  | 5             |

- Durable steel operating handles
- Controllable squeeze grip operation
- High grade brass valve assembly to ensure reliability and optimise efficiency
- Aluminium alloy construction
- Harmless to machinery
- Corrosion resistant epoxy coated cylinder
- Factory filled
- Complete with wall hanging bracket
- CE Approved
- Approved to BSEN 3
- Service record stickers available upon request



Petrol,  
Diesel, Oils



Computers,  
Switchgear



See chart below  
for extinguisher sizes

### Optional:

Universal Transport Bracket

#### FIRECB003F/2

- Suits 2kg model
- Adjustable strap for secure storage

#### FIRECB004F/5

- Suits 5kg model
- Adjustable strap for secure storage



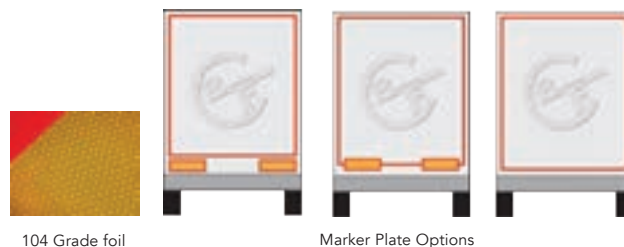
| Part No.                  | FIREDC2S/CO <sub>2</sub> | FIREDC5/CO <sub>2</sub> |
|---------------------------|--------------------------|-------------------------|
| Capacity (kg)             | 2                        | 5                       |
| Discharge Time (seconds)  | 20                       | 22                      |
| Throw Range (Metre)       | 6.5                      | 7                       |
| Fire Rating               | 34B                      | 70B                     |
| Extinguisher Size (H x W) | 535 x 175                | 760 x 190               |
| Cylinder Diameter (D)     | 175                      | 160                     |
| Working Temperature       | -20°C to +60°C           |                         |
| Filled Weight (kg)        | 5.8                      | 13.9                    |
| Working Pressure (bar)    | 150                      | 150                     |



## UNECE Regulation 70.01 Marker Plates

Vehicles exceeding 7.5t GVW, the fitment of marker plates became optional on vehicles fitted with conspicuity markings. When used in conjunction with conspicuity markings the marker plates must be approved to UNECE Regulation 70.01

- 104 Grade micro-prismatic Oralite® yellow foil
- 1mm Aluminium plate (except self-adhesive)
- Manufactured to and carry ECE70.01 approval marks
- Single layer foil, alleviates almost any risk of delamination during pressure washing
- Self adhesive versions available where shown
- Maintains the aesthetics of the vehicle long after application
- Monogramming service available on all plates



104 Grade foil

Marker Plate Options

### Rear Marker Plate

ECE70.01

RMPCBF/ECE7001/1

- L1132 x W132mm
- Aluminium
- Supplied singly
- Carries ECE70.01 approval mark
- Monogramming service available
- wgt. 0.58kg



### Rear Marker Plates

ECE70.01

RMPCBF/ECE7001/2/3

Aluminium • wgt. 0.58kg

RMPCBF/ECE7001/2/3SA

Self adhesive • wgt. 0.10kg

- L566 x W132mm
- Supplied in pairs
- Carries ECE70.01 approval mark
- Monogramming service available



### Rear Marker Plate

ECE70.01

RMPCBF/ECE7001/4

- L1132 x W197mm
- Aluminium
- Supplied singly
- Carries ECE70.01 approval mark
- Monogramming service available
- wgt. 0.80kg



### Rear Marker Plates

ECE70.01

RMPCBF/ECE7001/5

- L566 x W197mm
- Aluminium
- Supplied in pairs
- Carries ECE70.01 approval mark
- Monogramming service available
- wgt. 0.80kg



### Rear Marker Plates

ECE70.01

RMPCBF/ECE7001/8

- L283 x W132mm
- Aluminium
- Supplied in sets of 4
- Carries ECE70.01 approval mark
- Monogramming service available
- wgt. 0.65kg



### Rear Marker Plates

ECE70.01

RMPCBF/ECE7001/9

- L283 x W197mm
- Aluminium
- Supplied in sets of 4
- Carries ECE70.01 approval mark
- Monogramming service available
- wgt. 0.81kg



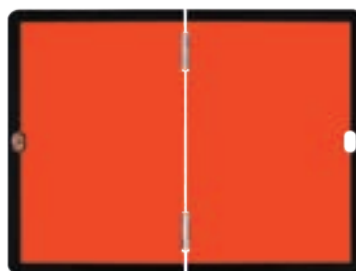
## ADR Hazchem Boards

Stainless Steel

**RMP3520200/VSS** Vertical folding

**RMP3520100/HSS** Horizontal folding

- W400 x H300 x T0.8mm
- Stainless steel – corrosion resistant
- Extra toggle supplied (to hold board open)
- Supplied singly
- wgt. 0.85kg



Vertical folding



Horizontal folding

## ADR Hazchem Boards

Galvanized

**RMP3320200/VGV** Vertical folding

**RMP3320100/HGV** Horizontal folding

- W400 x H300 x T1mm
- Pre-galvanized to prevent corrosion
- Extra toggle supplied (to hold board open)
- Supplied singly
- wgt. 1.05kg



Vertical folding



Horizontal folding

## ADR Hazchem Plate & Holder

Galvanized & Stainless Steel

**RMP3320000/PGV** Plate

- W400 x H300 x T1mm
- Galvanized
- wgt. 0.93kg

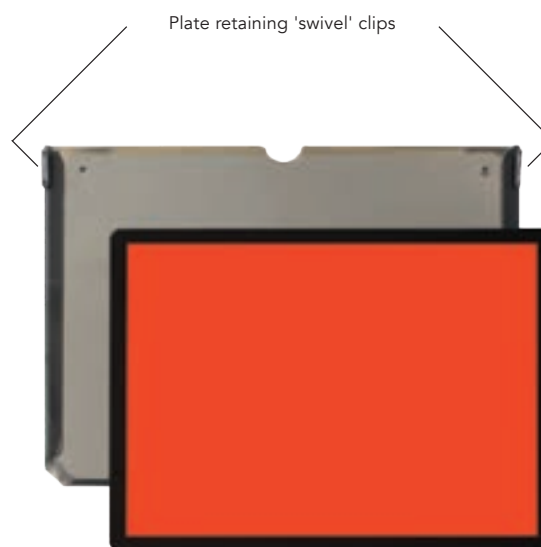
**RMP3520000/PSS** Plate

- W400 x H300 x T0.8mm
- Stainless steel
- wgt. 0.75kg

**RMP3510382/PHCSS** Holder

- W405 x H305 x T0.8mm
- Stainless steel
- wgt. 0.86kg

- Supplied complete with plate retaining 'swivel' clips to meet ADR regulation chapter 5/5.3.2.2.2



## ADR 'Limited' Quantity (LQ) Panel

Aluminium

RMP29629/31924/HAL

- W250 x H250 x T1.0mm
- Aluminium – corrosion resistant
- Extra toggle supplied (to hold board open)
- Supplied singly
- wgt. 0.15kg



## Oversize Load Board

Galvanized

REF503627/GV

- W423 x H423 x T1mm
- Reflective class 1 foil
- Suitable for both left & right hand fitment
- TPESC Approval and DIN 11030
- wgt. 1.40kg



## Directional Board

Aluminium

REF600/BW/AL

- Diameter: 600mm
- ø50mm Routed centre hole
- Class REF2 engineering grade reflective vinyl
- Retroreflective blue sheeting to BS EN 12899-7
- wgt. 4.02kg



## Warning Triangle

Reflective

REFMP120/WT

- Storage case: L440 x W160 x D30mm
- Triangle: H460mm
- Ideal for breakdown situations
- Complete with storage case
- E Approved
- wgt. 0.78kg



## Waterproof Certificate / Document Holder

Clear Polycarbonate / Waterproof Design

**REF200200/VTG00**

- W200mm x H200mm
- Accommodates VTG6A form: W150 x L170mm (approx.)
- Internal o-ring seal
- Tamperproof once mounted
- wgt. 0.56kg



## Certificate / Document Holder

Black Epoxy Coated & Zinc Plated

**REF3278** Black epoxy coated

**REF3278/ZP** Zinc plated

- W184 x H204mm
- Clear plastic window
- Accommodates certificate / document: W150 x H170mm (approx.)
- wgt. 0.34kg



## Certificate / Document Holder

Black Epoxy Coated

**REF3278/EX**

- W184 x H234mm
- Clear plastic window
- Accommodates certificate / document: W150 x H200mm (approx.)
- wgt. 0.55kg



## Certificate / Document Holder

Black Epoxy Coated

**REF/MOT5**

- W175 x H180mm
- Lightweight design
- Clear plastic internal document sleeve
- Accommodates certificate / document: W148 x H155mm (approx.)
- wgt. 0.29kg



## Certificate / Document & Licence Holder

Black Epoxy Coated

**REF3277**

- W184 x H204mm
- Accommodates certificate / document: W150 x H170mm (approx.) & licence disc
- Clear plastic window • wgt. 0.53kg

**REF3277/EX**

- W184 x H234mm
- Accommodates certificate / document: W150 x H200mm (approx.) & licence disc
- Clear plastic window • wgt. 0.62kg



## Licence Disc Holder

Black Epoxy Coated

REF874/S

REF874/D

- Single
- wgt. 0.06kg
- Diameter: 77mm
- Clear plastic window
- Double
- wgt. 0.11kg



## Height Indicator

Imperial Sizing

REF/HM1

- W155 x H125mm
- Red plastic housing
- Adjustable winding
- Ranges from 8' 0" to 20' 11"
- wgt. 0.16kg



## Height Indicator

Imperial Sizing

REF/HM2

- W164 x H85mm
- Black epoxy coated steel
- Imperial cards ranging from 10' 0" to 19' 11"
- Supplied with the self adhesive velcro mounting pads
- wgt. 0.23kg



## Height Indicator

Metric & Imperial Sizing

REF/HM3

- W164 x H79mm • Red plastic housing
- Supplied with metric & imperial cards, ranging from: 2.00mtr to 9.90mtr / 10' 0" to 19' 11"
- Height of vehicle printed on front face
- Supplied with self adhesive velcro mounting pads
- wgt. 0.09kg



## Anti-Blind Spot Fresnel Lens

Self Adhesive

REF210148/PVC/FL

- W148 x H210mm
- Simply sticks on glass to help eliminate vehicle blind spots
- Extra vision, reduces risk of close-proximity accidents
- Multi-positional, fits all types of vehicles
- Easy to install
- Low profile PVC, fits through window/door seal with ease
- wgt. 0.04kg



## Fuel Filler Flaps

Grey Painted Steel

**REF10/190245/SM** Small

- Overall size: W190 x H245mm
- Flap size: W164 x H190mm
- Spring loaded
- wgt. 0.72kg

**REF10/258295/LG** Large

- Overall size: W258 x H295mm
- Flap size: W185 x H225mm
- Spring loaded
- wgt. 0.99kg



## Number Plate Holder

Stainless Steel

**REF60158/10**

- 304G Stainless steel
- Suits 110mm (wide) number plate
- Pre-drilled
- Spring loaded
- Corrosion resistant
- Supplied singly
- 3 x ø5mm Fixing holes
- wgt. 0.04kg



## Tail-Lift Flag Set

Set of 2

**REF245305/2/YEL**

- W245 x H305mm
- 2 Flags per set
- Yellow PVC with red reflective strip
- Supplied complete with alloy plate & rivets
- For use when tail lift is in operation
- Monogramming service available, subject to minimum order quantity
- wgt. 0.05kg



Monogramming service available

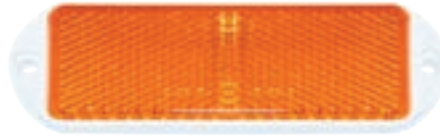
## Reflector

Amber



### REF4/A

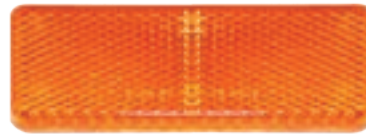
- Reflector: W88 x H34mm
- Overall: W107 x H38mm
- 2 x ø4mm Fixing holes
- wgt. 0.03kg



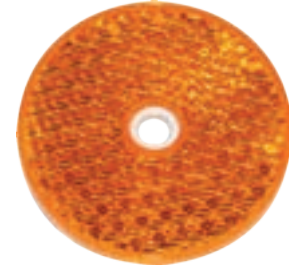
REF4/A

### REF4/SA

- Reflector: W88 x H35mm
- Self adhesive backing
- wgt. 0.02kg



REF4/SA



REF60A

### REF60A

- Reflector: ø60mm
- 1 x ø5.6mm Fixing hole
- wgt. 0.02kg

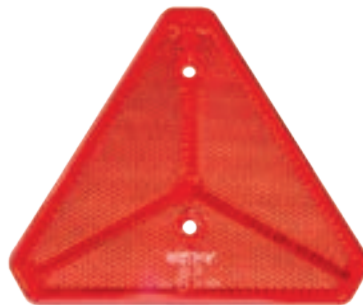
## Reflector

Red



### REF2/R

- Reflector: W150 x H132mm
- 2 x ø5.6mm Fixing holes
- wgt. 0.06kg



REF2/R

### REF4/R

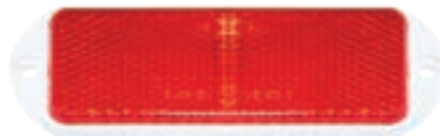
- Reflector: W88 x H34mm
- Overall: W107 x H38mm
- 2 x ø4mm Fixing holes
- wgt. 0.03kg



REF4/RSA

### REF4/RSA

- Reflector: W88 x H35mm
- Self adhesive backing
- wgt. 0.02kg



REF4/R



REF6/R

### REF6/R

- Reflector: W73 x H43mm
- 2 x ø5.6mm Fixing holes
- wgt. 0.02kg

## Reflector

Clear



### REF6/C

- Reflector: W73 x H43mm
- 2 x ø5.6mm Fixing holes
- wgt. 0.02kg



## Fire Extinguisher Holder **03 SERIES**

Suitable for 2kg Extinguisher



### FIREJFEX03R/R

- H145 x W210 x D145mm
- Suitable for 2kg extinguisher
- Red, fully recyclable polyethylene
- Strong and durable
- Detachable lid for immediate access
- Suitable for wall / truck cab mounting
- Numerous applications
- 4 x ø9mm Fixing holes
- wgt. 0.98kg



## Fire Extinguisher Storage Box **65 & 75 SERIES**

Suitable for 6kg or 9kg extinguisher

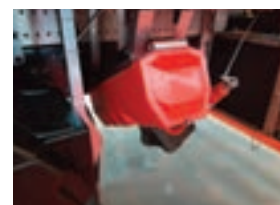
- Black or Red, fully recyclable polyethylene
- Top loading
- Double skinned lid
- Strong and durable
- Plastic toggle and lynch pin
- Suitable for truck and trailer mounting
- Internal tension strap to secure cylinder
- Flat back for ease of mounting
- Fire extinguisher label supplied loose
- See page 270 for fixing kit



Label supplied loose



| Series    | Part No.             | Colour | Suitable for     | Max Height Extinguisher (mm) | Dimension (mm)    | wgt. (kg) |
|-----------|----------------------|--------|------------------|------------------------------|-------------------|-----------|
| 65 SERIES | <b>FIREJBFB65B/B</b> | Black  | 6kg Extinguisher | 600                          | H650x W260 x D275 | 3.10      |
| 65 SERIES | <b>FIREJBFR65R/R</b> | Red    | 6kg Extinguisher | 600                          | H650x W260 x D275 | 3.10      |
| 75 SERIES | <b>FIREJBFR75R/R</b> | Red    | 9kg Extinguisher | 700                          | H750x W300 x D300 | 4.50      |



## Fire Extinguisher Storage Box **SLIDEN SERIES**

Suitable for 6kg Extinguisher

### FIRE82410/6/R/R

- H595 x W265 x D284mm
- Suitable for 6kg extinguisher
- Top loading
- Manufactured from red reinforced, non-deformable polypropylene
- Nylon latch with padlock facility
- Internal nylon extinguisher tensioner spring
- Suitable for truck and trailer mounting
- Rubber seal and polycarbonate inspection window
- Fire extinguisher label supplied loose – can be attached over the inspection window, if required
- See page 270 for fixing kit
- wgt. 2.50kg



Label supplied loose



## Fire Extinguisher Storage Box

**SLIDEN SERIES**

Suitable for 9kg or 12kg Extinguisher

**FIRE82420/912/R/R**

- H750 x W309 x D327mm
- Suitable for 9kg or 12g extinguisher
- Top loading
- Manufactured from red reinforced, non-deformable polypropylene
- Nylon latch with padlock facility
- Internal nylon extinguisher tensioner spring
- Suitable for truck and trailer mounting
- Rubber seal and polycarbonate inspection window
- Fire extinguisher label supplied loose – can be attached over the inspection window, if required
- See page 270 for fixing kit
- wgt. 3.20kg



## Fire Extinguisher Storage Box

**ADAMANT SERIES**

Suitable for 6kg or 9kg Extinguisher

**FIRE82030/69/R/B**

- H675 x W310 x D250mm
- Suitable for 6kg or 9kg extinguisher
- Front loading
- Manufactured from black / red reinforced, non-deformable polypropylene
- Internal nylon clamping ring
- Suitable for truck or wall mounting
- Rubber seal and polycarbonate inspection windows
- Fire extinguisher label supplied loose
- Can be used as part of a lateral protection system E11 73R-011168 (please request further information)
- wgt. 4.00kg



## Fire Extinguisher Storage Box

**83 SERIES**

Suitable for 9kg Extinguisher

**FIREJBXE83R/B**

- H830 x W330 x D270mm
- Suitable for 9kg extinguisher
- Front loading
- Manufactured from black / red, fully recyclable polyethylene
- Strong and durable
- Plastic toggle / velcro straps
- Suitable for truck or wall mounting
- Automotive grade seal and polycarbonate inspection windows
- Fire extinguisher label supplied loose
- wgt. 6.10kg



## Safety Storage Box

**65 & 75 SERIES**


- Suitable for storage of spill kits / 1 kit per box
- Grey, fully recyclable polyethylene
- Strong and durable • Double skinned lid
- Suitable for truck and trailer mounting
- Spill kit, ADR and first aid labels supplied loose
- Plastic toggle and lynch pin
- Waterproof seal
- Flat back for ease of mounting
- See page 270 for fixing kit



| Series    | Part No.      | Colour | Dimension (mm)    | wgt. (kg) |
|-----------|---------------|--------|-------------------|-----------|
| 65 SERIES | FIREJBFA65G/G | Grey   | H650x W260 x D275 | 3.10      |
| 75 SERIES | FIREJBFA75G/G | Grey   | H750x W300 x D300 | 4.50      |

## Spill Kit Storage Box

**66 SERIES**


- Designed specifically for storage of spillage kits / 2 kits per box
- Grey, fully recyclable polyethylene
- **FIREJBEA66T** Supplied complete with anti-static device to discharge any static created when withdrawing the spill kit
- Strong and durable
- 60 Litre capacity
- Essential for ADR required vehicles
- Spill kit and ADR labels supplied loose
- See page 270 for fixing kits
- Not suitable for heavy objects, i.e. fire extinguishers



| Part No.    | Colour |                                  | Dimension (mm)    | wgt. (kg) |
|-------------|--------|----------------------------------|-------------------|-----------|
| FIREJBEA66  | Grey   | Standard unit                    | H650x W300 x D410 | 5.00      |
| FIREJBEA66T | Grey   | Complete with anti-static device | H650x W300 x D410 | 5.30      |

## Chemical Spill Kit

30 Litre Absorbent Capacity

**FIRE04/1034/CSK**

- Designed to absorb and retain all industrial liquids, including aggressive chemicals and oil
- Supplied in a clip-close plastic bag
- wgt. 3.50kg



| Qty | Item   |
|-----|--|
| 10  | Premium chemical pads – 500 x 400mm                  |
| 3   | Premium chemical socks – 75 x 1200mm                 |
| 3   | Chemical absorbent pillows – 380 x 230mm             |
| 2   | Black cable ties – 300mm                             |
| 2   | Blue plastic disposal bags (50 micron) – 460 x 900mm |
| 1   | Chemical spill kit header card – 500 x 400mm         |
| 1   | Spill kit instruction sheet                          |

## Oil Spill Kit

30 Litre Absorbent Capacity

**FIRESPILLKIT**

- Designed to absorb and retain oil from hard surfaces or floating oil from water
- Supplied in a clip-close plastic bag
- wgt. 3.10kg



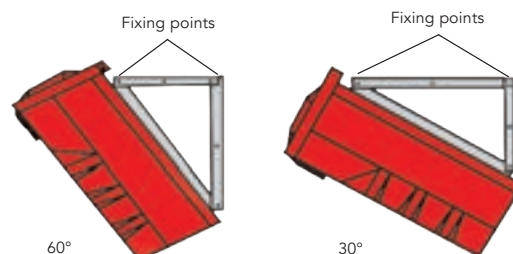
| Qty | Item           |
|-----|----------------|
| 25  | Absorbent pads |
| 4   | Socks – 1200mm |
| 1   | Large cushion  |
| 2   | Bags & tie     |
| 1   | Gloves (pair)  |

## Storage Box Fitting Kit

30° & 60° Mounting

### FIRE/KIT55

- For mounting the following storage boxes:  
**FIREJBFB65B/B, FIREJBFR65R/R, FIREJBFR75R/R,  
FIREJBFA65G/G, FIREJBFA75G/G, FIREJBEA66 & FIREJBEA66T**
- Allows storage box to be mounted at an angle of 30° or 60°
- Kit includes: 6 x black painted 30 x 3mm steel angle, bolts, washers & nuts
- Flat back for ease of mounting
- wgt. 3.10kg

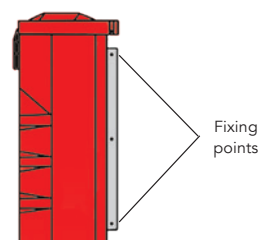


## Storage Box Fitting Kit

Horizontal & Vertical Mounting

### FIRE/KIT56

- For mounting the following storage boxes:  
**FIREJBFB65B/B, FIREJBFR65R/R, FIREJBFR75R/R,  
FIREJBFA65G/G, FIREJBFA75G/G, FIREJBEA66 & FIREJBEA66T**
- Allows storage box to be mounted in either the horizontal or vertical position
- Kit includes: 2 x black painted 30 x 3mm steel angle, complete with nut, bolt & washer set
- When fitting horizontally the box should be mounted at right angles to the direction of travel
- Storage box should not be mounted horizontally if carrying a fire extinguisher
- wgt. 1.60kg

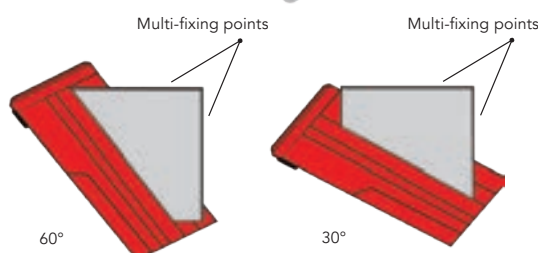


## Storage Box Fitting Kit

30° & 60° Mounting

### FIRE88532/GV

- Suits: **FIRE82410/6/R/R & FIRE82420/912/R/R** (SLIDEN SERIES) fire extinguisher box
- Allows storage box to be mounted at an angle of 30° or 60°
- Multiple fixing points
- Kit includes: 2 x pre-formed/shaped galvanized brackets, geomet coated bolts, washers & nuts
- 3mm Galvanized steel angle
- wgt. 4.50kg



## PSV First Aid Kit

FA025

Meets the legal requirements for PSV (maximum of 8 passengers) – suitable for car, minibus & taxi

- Case size: W205 x H200 x D65mm
- Supplied complete with integral mounting bracket
- wgt. 0.56kg



| Qty | Item                                | Qty | Item  |
|-----|-------------------------------------|-----|---|
| 24  | Assorted washproof sterile plasters | 2   | Eye pad dressing                              |
| 10  | Antiseptic wipes                    | 1   | Conforming bandage                            |
| 12  | Safety pins, assorted               | 2   | Triangular bandage, non-woven                 |
| 1   | Gloves (pair)                       | 1   | 125mm Stainless steel plastic handled scissor |
| 3   | No. 2 Ambulance dressing, large     | 1   | Guidance leaflet                              |

## Van & Truck First Aid Kit

FA1019033

Contains the HSE recommended first aid components for travelling employees

- Case size: W190 x H190 x D90mm
- Supplied complete with bracket, suitable for van & truck fitment
- wgt. 0.54kg



| Qty | Item                 | Qty | Item                   |
|-----|----------------------|-----|------------------------|
| 20  | Washproof plasters   | 5   | Non-adherent dressings |
| 12  | Safety pins          | 1   | Large dressing         |
| 6   | Alcohol free wipes   | 1   | Scissors               |
| 5   | Eye wash pods (20ml) | 2   | Fingerstalls           |
| 1   | Microporous tape     | 2   | Gloves (pair)          |
| 2   | Conforming bandages  | 1   | Guidance leaflet       |
| 2   | Triangular bandages  |     |                        |

## First Aid Travel Pack

FA1045026

wgt. 0.14kg

- HSE Compliant
- Suitable for office, car & home
- Single person use
- Pack size: W130 x H130 x D60mm

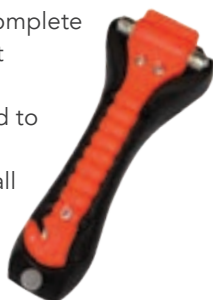


| Qty | Item                |
|-----|---------------------|
| 10  | Washproof plasters  |
| 12  | Safety pins         |
| 6   | Alcohol free wipes  |
| 2   | Gloves (pair)       |
| 1   | Large dressing      |
| 2   | Triangular bandages |
| 1   | Guidance leaflet    |

## Emergency Hammer & Belt Cutter

FIRELH1

- Surface Mounting
- Polypropylene hammer complete with hardened steel insert
- Steel belt cutting blade
- Cutting blade is protected to prevent accidental injury
- Complete with snap-in wall mounted holder
- wgt. 0.16kg



## Emergency Travel Kit & Carry Case

FARCT2

Contains 8 Various Safety Products  
Suitable for Cars, Vans & Trucks

- wgt. 0.16kg



| Qty | Item                                      | Qty | Item                  |
|-----|---|-----|-----------------------|
| 1   | Warning triangle                          | 1   | Pair of cotton gloves |
| 1   | High visibility jacket                    | 1   | Set of jump leads     |
| 1   | Universal bulb kit                        | 1   | First aid kit         |
| 1   | Rubber torch (batteries included: 2 x AA) | 1   | Foil blanket          |

## Fastcure 2000 Commercial Vehicle Adhesive Sealant

Multi-Purpose Non-Sag One Component Polyurethane

Fastcure 2000 bonds to a wide range of substrates and is suitable for making permanent elastic seals of high adhesive strength. Tried and tested in service for many years.

Suitable substrate materials include: timber, metals, metal primers and paint coatings (two component systems), ceramic materials and plastic.

Seek manufacturer's advice and perform tests on original substrates before using Fastcure 2000 on materials prone to stress cracking.

This product is suitable for experienced professional users only. Tests with actual substrates and conditions have to be performed to ensure adhesion and material compatibility.

- Cures on exposure to atmospheric moisture to form a durable elastomer
- Manufactured exclusively for CBF by Sika® Industries
- One component formulation
- Tack free time: 50 minutes (approx.)
- Bonds well to a wide variety of substrates
- Can be sanded and over-painted
- Elastic and non-corrosive • Low odour
- Resistant to ageing and weathering
- Must be stored between 10°C to 25°C in dry conditions
- Supplied complete with nozzles
- Product data sheet available upon request
- Note: Advice should be sought before using on transparent and pigmented materials that are prone to stress and cracking



| Part No.          | Colour | Description      | Qty per box | Weight (kg) |
|-------------------|--------|------------------|-------------|-------------|
| SEALCBF2000/BLACK | Black  | 300ml cartridges | 12          | 0.44        |
| SEALCBF2000/GREY  | Grey   | 300ml cartridges | 12          | 0.44        |
| SEALCBF2000/WHITE | White  | 300ml cartridges | 12          | 0.44        |

## Sikaflex® 212FC Commercial Vehicle Adhesive Sealant

Multi-Purpose Non-Sag One Component Polyurethane

Sikaflex® 212 FC is a universal sealant which is suitable for most sealing applications in industrial commercial vehicle building.

The product possesses excellent sealant properties and bonds well to all the materials commonly used in the commercial vehicle industry, e.g. metals, plastics, wood and glass. Sikaflex® 212 FC bonds to itself, and in its fully cured state can be lightly sanded and over painted.

Seek manufacturer's advice and perform tests on original substrates before using Sikaflex® 212 FC on materials prone to stress cracking.

- Cures on exposure to atmospheric moisture to form a durable elastomer
- One component formulation
- Tack free time: 40 minutes (approx.)
- Bonds well to a wide variety of substrates
- Can be sanded and over-painted
- Elastic
- Low odour
- Cartridges are supplied complete with nozzles
- Product data sheet available upon request
- Note: Advice should be sought before using on transparent and pigmented materials that are prone to stress and cracking



| Part No.       | Colour | Description      | Qty per box | Weight (kg) |
|----------------|--------|------------------|-------------|-------------|
| SEAL212FC/B    | Black  | 300ml cartridges | 12          | 0.44        |
| SEAL212FC/G    | Grey   | 300ml cartridges | 12          | 0.44        |
| SEAL212FC/W    | White  | 300ml cartridges | 12          | 0.44        |
| SEAL212FC/400W | White  | 400ml sachets    | 12          | 0.49        |
| SEAL212FC/600B | Black  | 600ml sachets    | 20          | 0.78        |
| SEAL212FC/600W | White  | 600ml sachets    | 20          | 0.78        |

## Sikaflex® 221 Adhesive Sealant

Multi-Purpose Non-Sag One Component Polyurethane

Sikaflex® 221 bonds well to a wide variety of substrates and is suitable for making permanent elastic seals of high adhesive strength.

Suitable substrate materials are metals, metal primers and paint coatings (2-C systems), ceramic materials and plastics.

Seek manufacturer's advice and perform tests on original substrates before using Sikaflex® 221 on materials prone to stress cracking.

This product is suitable for experienced professional users only. Tests with actual substrates and conditions have to be performed to ensure adhesion and material compatibility.

- One component formulation
- Tack free time: 60 minutes (approx.)
- Can be sanded and over-painted
- Resistant to ageing and weathering
- Non-corrosive
- Elastic
- Low odour
- Bonds well to a variety of substrates
- Cartridges are supplied complete with nozzles
- Product data sheet available upon request
- Note: Advice should be sought before using on transparent and pigmented materials that are prone to stress and cracking



| Part No.     | Colour | Description      | Qty per box | Weight (kg) |
|--------------|--------|------------------|-------------|-------------|
| SEAL221/B    | Black  | 300ml cartridges | 12          | 0.44        |
| SEAL221/G    | Grey   | 300ml cartridges | 12          | 0.44        |
| SEAL221/W    | White  | 300ml cartridges | 12          | 0.44        |
| SEAL221/600B | Black  | 600ml sachets    | 20          | 0.78        |
| SEAL221/600G | Grey   | 600ml sachets    | 20          | 0.78        |
| SEAL221/600W | White  | 600ml sachets    | 20          | 0.78        |

## Sikaflex® 252 Adhesive Sealant

Non-Sag, Polyurethane Adhesive of Stiff Paste Consistency

Sikaflex® 252 Suitable for joints subjected to dynamic stresses.

Used on numerous substrates including timber, metals, particularly aluminium (including anodized components), sheet metal (including phosphated, chromated and zinc-plated components), metal primers and paint coatings (2-component systems), ceramic materials and plastics.

This product is suitable for experienced professional users only. Tests with actual substrates and conditions have to be performed to ensure adhesion and material compatibility.

- One component formulation
- Tack free time: 40 minutes (approx.)
- Can be sanded and over-painted
- Good gap filling properties
- Good adhesion to a wide range of substrates
- Bonds and seals at the same time
- Short tack free and curing time
- Initial load bearing capacity
- Increases torsional stiffness of final assembly
- Capable of withstanding high dynamic stresses
- Shock and impact resistant
- USDA Approved for incidental food contact
- Excellent weather and water resistance
- Cartridges are supplied complete with nozzles
- Product data sheet available upon request



| Part No.     | Colour | Description      | Qty per box | Weight (kg) |
|--------------|--------|------------------|-------------|-------------|
| SEAL252/B    | Black  | 300ml cartridges | 12          | 0.44        |
| SEAL252/W    | White  | 300ml cartridges | 12          | 0.44        |
| SEAL252/600W | White  | 600ml sachets    | 20          | 0.78        |

- Note: Advice should be sought before using on transparent and pigmented materials that are prone to stress and cracking

## Sikaflex® 552 'Hybrid' Assembly Adhesive Sealant

Assembly Adhesive with Reduced Substrate Preparation

Sikaflex® 552 is suitable for structural joints that will be subjected to dynamic stresses.

Suitable substrate materials are metals, particularly aluminium (including anodised components), sheet steel (including phosphated, chromated and zinc-plated components), ceramic materials and plastics.

This product is suitable for experienced professional users only. Tests with actual substrates and conditions have to be performed to ensure adhesion and material compatibility.

- One component 'hybrid' formulation
- Tack free time: 40 minutes (approx.)
- Minimal surface preparation required before use
- Bonds well to a wide variety of substrates
- Practically no need for priming
- Resistant to UV radiation
- Resistant to ageing and weathering
- Capable of withstanding high dynamic stresses
- Isocyanate, solvent, PVC and VOC free
- Elastic
- Advanced hybrid technology
- Low odour
- Can be over-painted
- Product data sheet available upon request
- Note: Advice should be sought before using on transparent and pigmented materials that are prone to stress and cracking



| Part No.     | Colour | Description   | Qty per box | Weight (kg) |
|--------------|--------|---------------|-------------|-------------|
| SEAL552/600B | Black  | 600ml sachets | 20          | 0.78        |
| SEAL552/600W | White  | 600ml sachets | 20          | 0.78        |

## Sikaflex® 265 Window Replacement Adhesive & Joint Sealant

One Component Formulation

Sikaflex® 265 is designed for direct glazing applications in both the OEM and repair markets.

Owing to its good tooling properties and enhanced weathering stabilization, the product may be used for exterior joints.

This product is suitable for experienced professional users only. Tests with actual substrates and conditions have to be performed to ensure adhesion and material compatibility.

- One component formulation
- Tack free time: 45 minutes (approx.)
- Excellent working characteristics
- Fast cure time
- Resistant to ageing and weathering
- Solvent and PVC free
- Low odour
- Primerless application possible
- UV resistant
- Cartridges are supplied complete with nozzles
- Product data sheet available upon request
- Note: Advice should be sought before using on transparent and pigmented materials that are prone to stress and cracking



| Part No.     | Colour | Description      | Qty per box | Weight (kg) |
|--------------|--------|------------------|-------------|-------------|
| SEAL265/B    | Black  | 300ml cartridges | 12          | 0.44        |
| SEAL265/600B | Black  | 600ml sachets    | 20          | 0.78        |

## Sikaflex® 521UV 'Hybrid' Adhesive Sealant

Weathering-Resistant Silane Terminated Polymer

Sikaflex® 521 UV adheres well to a wide variety of substrates and is suitable for elastic sealing and bonding. Suitable substrate materials include timber, metals, metal primers and paint coatings (2-component systems), ceramic materials and plastics.

This multi-purpose product is suitable for internal and external sealing applications.

This product is suitable for experienced professional users only. Tests with actual substrates and conditions have to be performed to ensure adhesion and material compatibility.

- Cures on exposure to atmospheric moisture to form a durable elastomer
- One component formulation
- Tack free time: 30 minutes (approx.)
- Ageing and weathering resistant
- Bonds well to a wide variety of substrates without the need for special pre-treatment
- Elastic • Low odour
- Can be sanded and overpainted
- Non-corrosive • High electrical resistance
- Isocyanate and solvent free
- Silicone and PVC free
- Cartridges are supplied complete with nozzles
- Product data sheet available upon request
- Note: Advice should be sought before using on transparent and pigmented materials that are prone to stress and cracking



| Part No.       | Colour | Description      | Qty per box | Weight (kg) |
|----------------|--------|------------------|-------------|-------------|
| SEAL521UV/B    | Black  | 300ml cartridges | 12          | 0.44        |
| SEAL521UV/G    | Grey   | 300ml cartridges | 12          | 0.44        |
| SEAL521UV/W    | White  | 300ml cartridges | 12          | 0.44        |
| SEAL521UV/600B | Black  | 600ml sachets    | 20          | 0.78        |
| SEAL521UV/600W | White  | 600ml sachets    | 20          | 0.78        |

## Sikaflex® 228 Fluid Adhesive

Low Viscosity, Self levelling One Component Polyurethane Adhesive

Sikaflex® 228 is an elastic panel adhesive suitable for bonding a variety of panel materials, including solvent-resistant foams (PUR), stainless steel sheets, aluminium sheets, timber-based building boards and plasterboards. It can also be used to seal seams and lap joints and to fill construction joints in floors.

For exterior sealing applications, thin layers of Sikaflex® 228 must be shielded from sunlight (e.g. by over painting, the use of cover strips, etc.)

This product is suitable for experienced professional users only. Tests with actual substrates and conditions have to be performed to ensure adhesion and material compatibility.

- Cures on exposure to atmospheric moisture to form a durable elastomer
- One component formulation
- Tack free time: 60 minutes (approx.)
- Self levelling
- Low viscosity
- Can be over-painted
- Elastic
- Low odour
- Does not contain highly inflammable solvents
- Product data sheet available upon request
- Note: Advice should be sought before using on transparent and pigmented materials that are prone to stress and cracking



| Part No.      | Colour        | Description   | Qty per box | Weight (kg) |
|---------------|---------------|---------------|-------------|-------------|
| SEAL228/600GW | Greyish white | 600ml sachets | 20          | 0.78        |

## Sikaflex® 255FC High Strength Adhesive

High Performance, One Component Polyurethane based Adhesive

Sikaflex® 255 FC is designed for direct glazing applications with mineral glass-based windows as well as bonding metal panels (primed and painted).

Sikaflex® 255 FC offers extremely high initial bond strength. Its fast rate of cure results in rapid strength development and shorter service times (Bonding trim, mouldings and all kinds of styling elements). Structural bonding of large parts, including sheet metal, composites and glass – Used to replace rivets and other mechanical fasteners

This product is suitable for experienced professional users only. Tests with actual substrates and conditions have to be performed to ensure adhesion and material compatibility.

- One component formulation
- Tack free time: 30 minutes (approx.)
- Bonds and seals at the same time
- Short tack free and curing time
- Very high thixotropy for good gap filling properties
- Adhesion to a wide range of substrates
- Non-staining curing process
- Non-corrosive
- Initial load bearing capacity
- Increases torsional stiffness
- Shock and impact resistant
- Vibration and sound damping properties
- Supplied complete with nozzles
- Product data sheet available upon request



| Part No.    | Colour | Description      | Qty per box | Weight (kg) |
|-------------|--------|------------------|-------------|-------------|
| SEAL255FC/B | Black  | 300ml cartridges | 12          | 0.44        |

- Note: Advice should be sought before using on transparent and pigmented materials that are prone to stress and cracking

## SikaLastomer® 710 Butyl Sealant

Non-Sag, Butyl Based Paste

SikaLastomer® 710 is especially suitable for plastic sealing with a possibility of future disassembly. It can be used in the car, bus, truck and caravan industry.

SikaLastomer® 710 shows good adhesion on almost every technical surface with minimal surface pre-treatment.

- One component, butyl sealant
- Skinning time: 10 – 30 minutes (approx.)
- Cures without heat
- Easy to apply
- Good adhesion spectrum
- Good ageing resistance
- Plastic product
- Later disassembly possible
- Supplied complete with nozzles
- Product data sheet available upon request
- Note: Advice should be sought before using on transparent and pigmented materials that are prone to stress and cracking



| Part No.  | Colour | Description      | Qty per box | Weight (kg) |
|-----------|--------|------------------|-------------|-------------|
| SEAL710/B | Black  | 310ml cartridges | 12          | 0.44        |

## Sika Sanisil® Silicone Sealant

Acetoxy Silicone Sealant for Sanitary Applications

Sika® Sanisil® is an acetoxy curing, permanently flexible sanitary silicone containing a powerful anti-fungal compound for long term resistance to fungus and mildew.

- 100% Silicone polymer
- Skinning time: 25 minutes (approx.)
- Solvent free
- High elasticity & flexibility
- Excellent resistance to ageing, shrinkage, cracking and discolouration
- Long term fungus and mildew resistance
- Suitable for sanitary and other applications where mildew resistance is required
- UV Resistance
- Not recommended for porous substrates such as concrete, stone, marble and granite
- Supplied complete with nozzles
- Product data sheet available upon request
- Advice should be sought before using on transparent and pigmented materials that are prone to stress and cracking



| Part No.      | Colour | Description      | Qty per box | Weight (kg) |
|---------------|--------|------------------|-------------|-------------|
| SEALSANISIL/C | Clear  | 300ml cartridges | 12          | 0.44        |
| SEALSANISIL/W | White  | 300ml cartridges | 12          | 0.44        |

## Sika® 208 Cleaner

Solvent-Based Cleaning Agent for Strongly Contaminated Non-Porous Surfaces

Sika® 208 is used to remove excess uncured Sikaflex® adhesive or sealant from application tools or from soiled surfaces.

Can also be used for the pre-cleaning of strongly contaminated non-porous substrates.

Can be used to clean painted surfaces prior to bonding.

### SEAL208

- Clear • 1000ml
- Application temperature: +5°C to +35°C
- Drying time: 30 minutes - 24 hours (max.)
- Must be used according to Sika primer chart – available upon request
- Must not be used to clean soiled skin
- Product data sheet available upon request
- wgt. 0.95kg



- Advice should be sought before using on transparent and pigmented materials that are prone to stress and cracking

## EVERBUILD Wonder Wipes

For Use on Hands, Tools & Surfaces

### SEALWONDERWIPES/100

- Cleans up: paint, sealant, adhesive, bitumen, expanding foam, oil, grease and much more
- 100 Wipes per pack
- Twist lid feature, prevents wipes from drying out
- Pack size: H245 x ø110mm
- Contains a powerful anti-bacterial additive – tested by an independent laboratory to BS EN 1276 (the standard for killing bacteria)
- wgt. 0.57kg



## Sika Primers

Few surfaces are completely ideal for bonding. Priming is a means of transforming a surface, chemically, physically, or both, to give improved long and short term performance. The simplest form of priming is wiping the prepared surface with a conditioner which reacts with the surface to give improved 'wetting' characteristics and more reactive sites. Porous and rough surfaces require a primer with more 'body' in it, which will re-profile the surface to give a dense, even-bond line.

The primer also prevents carriers or resins present in the wet adhesive being absorbed into the substrate which can cause premature drying or bond-line starvation. Primers must always be allowed to dry thoroughly before applying Sikaflex.

Primed surfaces must be protected from contamination by dust, vapours, moisture, etc. until the bond is formed



### Sika® Primer – 204N

Solvent Based Primer for Metal Substrates

Description: Sika® Primer 204N is used to prime surfaces prior to bonding with Sikaflex® products. A solvent-based yellow primer which reacts with moisture and forms a thin layer, this layer acts as a link between substrates and adhesives.

Areas of Application: Sika® Primer 204N is used to improve adhesion on metals like steel, stainless steel, galvanized steel, aluminium and anodized aluminium. Tests with actual substrates and conditions have to be performed to ensure adhesion and material compatibility. Sika® Primer 204N is not suitable as an anti-corrosion paint.

This product is suitable for experienced professional users only.

**SEAL204N** Yellow 250ml

- Application temperature: 15°C to 25°C
- Flash-off time: above 15°C 10 minutes, below 15°C 30 minutes, maximum: 24 hours
- Coverage: 50-150ml per M<sup>2</sup> (approx.), dependant on substrate porosity
- Application method: brush, felt, foam applicator
- wgt. 0.34kg

Product data sheet available upon request



### Sika® Primer – 206 G+P

Solvent Based Primer for Various Substrates

Description: Sika® Primer 206 G+P is used to prime surfaces prior to bonding with Sikaflex® products. A solvent-based black primer which reacts with moisture and forms a thin layer, this layer acts as a link between substrates and adhesives.

Areas of Application: Sika® Primer 206 G+P is used to improve adhesion on substrates such as float glass, ceramic-coated glass, pre-coatings, painted surfaces and some plastics and metals. Seek manufacturer's advice and perform tests on original substrates before using Sika® Primer 206 G+P on materials prone to stress cracking.

This product is suitable for experienced professional users only.

**SEAL206/250GP** Black 250ml

- Application temperature: 15°C to 25°C
- Flash-off time: above 15°C 10 minutes, below 15°C 30 minutes, maximum: 24 hours
- Coverage: 50-150ml per M<sup>2</sup> (approx.), dependant on substrate porosity
- Application method: brush, felt, foam applicator
- wgt. 0.33kg

Product data sheet available upon request



## Sika® Primer – 209N

Polyurethane Primer Solution

Description: Sika® Primer 209N is used to prime painted surfaces prior to bonding with Sikaflex® products. A black pigmented low viscosity liquid that dries by reaction with atmospheric moisture.

Areas of Application: Sika® Primer 209N is suitable for application to the following substrates: Plastics Acrylic (PMMA), Polycarbonate, ABS, etc. Paints: Acrylics, Alkyds/ Melamin.

Because paints and plastics vary so much in their chemical composition, preliminary trials are necessary. Always seek manufacturer's advice before using primer on plastics that are prone to stress cracking, such as acrylics, polycarbonates or ABS.

This product is suitable for experienced professional users only.

**SEAL209N/250** Black 250ml

- Application temperature: 10°C to 35°C
- Flash-off time: above 15°C 10 minutes, below 15°C 30 minutes, maximum: 24 hours
- Coverage: 150ml per M<sup>2</sup> (approx.), dependant on substrate porosity
- Application method: brush or felt
- wgt. 0.33kg

Product data sheet available upon request



## Sika® Primer – 210

Solvent Based Primer / Adhesion Promoter for Various Substrates

Description: Sika® Primer 210 is used to prime various surfaces prior to bonding with Sikaflex® products. A solvent-based colourless to slightly yellow primer which reacts with moisture and forms a thin layer, this layer acts as a link between substrates and adhesives.

Areas of Application: Sika® Primer 210 is used to improve the adhesion of Sikaflex® adhesives on many metals such as aluminum and galvanized steel, plastics and paint-primed substrates. This primer is also suitable to enhance the adhesion of Sikasil® sealants and adhesives on porous and non-porous substrates. Tests with actual substrates and conditions have to be performed to ensure adhesion and material compatibility.

This product is suitable for experienced professional users only.

**SEAL210/250** Slightly Yellow 250ml

- wgt. 0.31kg

**SEAL210/1000** Slightly Yellow 1000ml

- wgt. 1.10kg
- Application temperature: 15°C to 25°C
- Flash-off time: above 15°C 10 minutes, below 15°C 30 minutes, maximum: 24 hours
- Coverage: 50-150ml per M<sup>2</sup> (approx.), dependant on substrate porosity
- Application method: brush, felt, foam applicator

Product data sheet available upon request



## Sika® Aktivator – 205 (Cleaner)

Solvent Based Adhesion Promoter for Non-Porous Substrates

Description: Sika® Aktivator 205 is a solvent-based colourless / clear adhesion promoter for non-porous substrates. Reacts with moisture and deposits active groups on the substrate, these groups act as a link between substrates and primers or sealants /adhesives.

Areas of Application: Sika® Aktivator 205 is used to improve adhesion on non-porous substrates such as metals, plastics, ceramic & painted surfaces. Seek manufacturer's advice and perform tests on original substrates before using Sika® Aktivator 205 on materials prone to stress cracking.

This product is suitable for experienced professional users only.

**SEAL205/250** Clear 250ml

- wgt. 0.27kg

**SEAL205/1000** Clear 1000ml

- wgt. 0.93kg
- Application temperature: 5°C to 40°C
- Alcohol based
- Drying time (subject to ambient temperatures): 10 mins – 2 hours max.
- Coverage: 30-60ml per M<sup>2</sup> (approx.)
- Application method: wipe on with a lint-free paper towel
- Contains iso-propanol, which may dull the surface finish of some freshly applied paints
- Never apply to porous substrates

Product data sheet available upon request



## Sika® Aktivator – 100 (Cleaner)

Solvent Based Adhesion Promoter for Various Non-Porous Substrates

Description: Sika® Aktivator 100 is a solvent-based colourless adhesion promoter for non-porous substrates. Reacts with moisture and deposits active groups on the substrate, these groups act as a link between substrates and primers or sealants/adhesives. Sika® Aktivator 100 is specifically formulated for the treatment of bond faces prior to application of Sika's elastic adhesives and sealants.

Areas of Application: Sika® Aktivator 100 is used to improve adhesion on substrates such as float glass, the cut face of old polyurethane adhesives and paints. This activator is also suitable to enhance the adhesion of other Sika sealants and adhesives on non-porous substrates. Contains solvent which may dull the surface finish of some freshly applied paints. Seek manufacturer's advice and perform tests on original substrates before using Sika® Aktivator 100 on materials prone to stress cracking.

This product is suitable for experienced professional users only.

**SEALACTIV/250** Slightly Yellow 250ml

- Application temperature: 5°C to 35°C
- Drying time: over 15°C 10 minutes, below 15°C 30 minutes, maximum: 2 hours
- Coverage: 30-60ml per M<sup>2</sup> (approx.)
- Never apply to porous substrates
- Application method: wipe on with a lint-free paper towel
- wgt. 0.25kg

Product data sheet available upon request



## Sealant Applicator

'Easi-Flow' HD Cartridge – 400ml

### SEAL14/400

- Suits cartridges up to 400ml
- For use with low viscosity materials
- No drip pressure release valve
- 7:1 Trigger ratio • Epoxy coated frame
- Curved rod (hook) end for convenient storage
- Hardened and coated hexagonal rod to reduce wear and extend work life
- wgt. 0.54kg



## Sealant Applicator

'Power-Flow' Cartridge – 400ml

### SEALPF/CART400

- Suits cartridges up to 400ml
- For use with low to medium viscosity materials
- Wear compensation device
- Cartridge cradle support frame
- Strong welded steel epoxy coated frame and zinc coated corrosion resistant sliding components
- 12:1 Trigger ratio • Switchable anti-drip pressure relief device
- Curved rod (hook) end for convenient storage
- Designed with the professional in mind for a high service life
- wgt. 0.79kg



## Sealant Applicator

'Power-Flow' Combi – 300ml & 400ml

### SEAL400/HND

- Dispenses: 300ml – 400ml cartridges
- Robust anodised aluminium barrel
- Heavy duty cast aluminium handle (epoxy coated)
- 12:1 Trigger ratio
- Designed with the professional in mind for a high service life
- Spare parts available upon request
- See page 282 for suitable nozzles
- wgt. 1.01kg



## Universal Sealant Applicator

'Ultra-Flow' Comb – 300ml, 400ml & 600ml

### SEALUF/COMBI400

- Dispenses: 300ml – 400ml cartridges & 400ml sachets
- wgt. 1.06kg

### SEALUF/COMBI600

- Dispenses: 300ml – 600ml cartridges & 400ml – 600ml sachets
- wgt. 1.14kg

- Robust anodised aluminium barrel
- Heavy duty cast aluminium handle (epoxy coated)
- 25:1 Trigger ratio
- Designed with the professional in mind for a high service life
- Spare parts available upon request
- See page 282 for suitable nozzles



## Sachet Gun Applicator

Pneumatic Applicator

### SEAL400/AIR

- Dispenses 400ml sachets
- wgt. 0.94kg

### SEAL600/AIR

- Dispenses 600ml sachets
- wgt. 1.03kg

- Robust anodised aluminium barrel
- Maximum use of sealant
- Swivelling air hose connector
- Quiet operation (less than 70dB)
- Fast & accurate
- Quick adjustment pressure regulator
- Spare parts available upon request
- See below for suitable nozzles



## Standard Cartridge Nozzle & Sachet Nozzle Adaptor

### SEAL2N1018/CAR

- Suits all Fastcure & Sika cartridges
- wgt. 0.01kg

### SEAL4137/ADAPTOR

- wgt. 0.01kg
- Allows standard nozzles to be used in conjunction with sachets & applicator guns
- Suits hand & air operated sachet guns



## Sachet 'Cone' Nozzle

Narrow Body

### SEAL2N1037/SAC

- Can be cut to size to produce a 3mm to 13mm bead
- For use with all sachet applicators
- Fits directly under front cap
- wgt. 0.02kg



## Sachet 'Cone' Nozzle

Wide Body

### SEAL2N1006/SAC

- Can be cut to size to produce a 3mm to 13mm bead
- For use with all sachet applicators
- Fits directly under front cap
- wgt. 0.02kg



## Sachet 'Cone' Nozzle

Narrow Body

### SEAL2N1007/SAC

- Can be cut to size to produce a 3mm to 13mm bead
- For use with all sachet applicators
- Fits directly under front cap
- wgt. 0.01kg

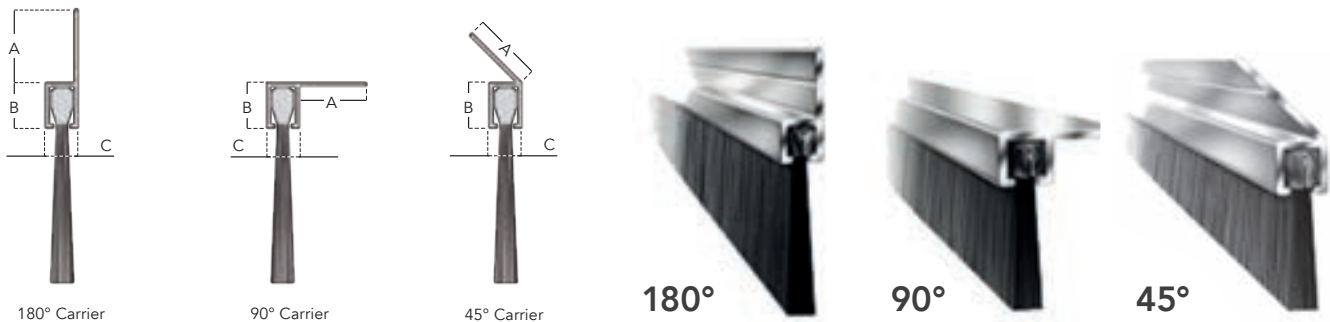


## Brush Strip Seals

### Aluminium Carrier

Brush strip seals consist of 5 brush section sizes, ranging from 12mm to 180mm filament lengths. Each section is available with corresponding 180°, 90° and 45° angle carriers.

- Extruded filaments from Type 6 nylon
- Available in 2.0, 2.5 & 3.0 metre lengths – please advise when ordering
- Mill finish extruded aluminium carrier
- Good wearing & memory
- All sections can be cut to length using a fine tooth saw
- Temperature range: -40°C to +100°C
- The galvanized steel channel which houses the nylon filaments must be sealed to avoid filament loss. This can be accomplished by pinching the end of the channel with pliers
- All seals should be fitted with the door or window in the closed position. Seals should be fitted so that the brush filaments are in firm contact with the mating surface. Care should be taken not to over-flex the trim against the mating surface



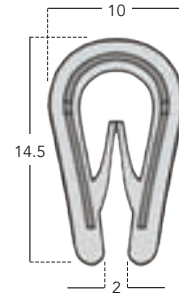
| Part No. | 180° Carrier |        |        | 90° Carrier |        |        | 45° Carrier |        |        | Filament Length (mm) | Weight per Metre (kg) |
|----------|--------------|--------|--------|-------------|--------|--------|-------------|--------|--------|----------------------|-----------------------|
|          | A (mm)       | B (mm) | C (mm) | A (mm)      | B (mm) | C (mm) | A (mm)      | B (mm) | C (mm) |                      |                       |
| DGR1/12  | 10.5         | 5.3    | 5.2    | 9.5         | 6.0    | 5.5    | 13.4        | 5.7    | 5.4    | 12                   | 0.17                  |
| DGR2/15  |              |        |        |             |        |        |             |        |        | 15                   | 0.24                  |
| DGR2/20  | 11.0         | 7.0    | 6.7    | 11.1        | 6.8    | 6.5    | 16.5        | 7.1    | 7.2    | 20                   | 0.27                  |
| DGR2/26  |              |        |        |             |        |        |             |        |        | 26                   | 0.29                  |
| DGR2/34  |              |        |        |             |        |        |             |        |        | 34                   | 0.30                  |
| DGR3/17  |              |        |        |             |        |        |             |        |        | 17                   | 0.38                  |
| DGR3/20  |              |        |        |             |        |        |             |        |        | 20                   | 0.40                  |
| DGR3/26  |              |        |        |             |        |        |             |        |        | 26                   | 0.41                  |
| DGR3/34  | 13.0         | 8.4    | 8.0    | 15.0        | 8.5    | 8.0    | 20.0        | 8.4    | 8.0    | 34                   | 0.45                  |
| DGR3/40  |              |        |        |             |        |        |             |        |        | 40                   | 0.46                  |
| DGR3/44  |              |        |        |             |        |        |             |        |        | 44                   | 0.48                  |
| DGR3/50  |              |        |        |             |        |        |             |        |        | 50                   | 0.50                  |
| DGR4/26  |              |        |        |             |        |        |             |        |        | 26                   | 0.67                  |
| DGR4/43  |              |        |        |             |        |        |             |        |        | 43                   | 0.74                  |
| DGR4/50  | 18.0         | 11.0   | 10.8   | 17.3        | 10.5   | 10.7   | 27.3        | 11.0   | 10.8   | 50                   | 0.81                  |
| DGR4/80  |              |        |        |             |        |        |             |        |        | 80                   | 0.90                  |
| DGR4/102 |              |        |        |             |        |        |             |        |        | 102                  | 1.06                  |
| DGR5/46  |              |        |        |             |        |        |             |        |        | 46                   | 1.08                  |
| DGR5/50  |              |        |        |             |        |        |             |        |        | 50                   | 1.16                  |
| DGR5/66  |              |        |        |             |        |        |             |        |        | 66                   | 1.30                  |
| DGR5/80  | 20.0         | 13.0   | 13.0   | 22.0        | 14.0   | 13.0   | 30.0        | 13.0   | 12.5   | 80                   | 1.34                  |
| DGR5/102 |              |        |        |             |        |        |             |        |        | 102                  | 1.41                  |
| DGR5/150 |              |        |        |             |        |        |             |        |        | 150                  | 1.76                  |
| DGR5/180 |              |        |        |             |        |        |             |        |        | 180                  | 1.91                  |

## Edge-Trim Section

Suits 1-3mm Panel Thickness

### RUMS101/50B

- Black
- 50 Metre roll
- Soft PVC complete with self-grip steel core
- wgt. 7.00kg

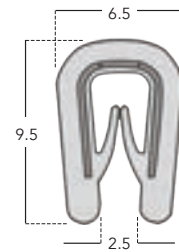


## Edge-Trim Section

Suits 1-2mm Panel Thickness

### RUMS102/50B

- Black
- 50 Metre roll
- Soft PVC complete with self-grip steel core
- wgt. 3.00kg

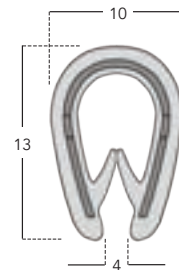


## Edge-Trim Section

Suits 1-4mm Panel Thickness

### RUMS103/50B

- Black
- 50 Metre roll
- Soft PVC complete with self-grip steel core
- wgt. 8.00kg

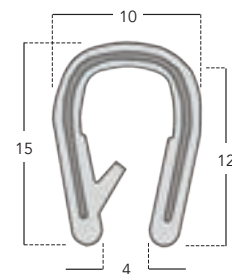


## Edge-Trim Section

Suits 1-5mm Panel Thickness

### RUMS106/50B

- Black
- 50 Metre roll
- Soft PVC complete with self-grip steel core
- wgt. 9.00kg

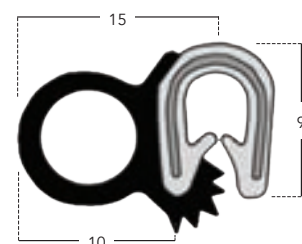


## Edge-Seal Section

Suits 1-3mm Panel Thickness

### RUMS1959/EJ

- Black
- 50 Metre roll
- Seal: EPDM sponge rubber
- Carrier: soft PVC complete with self-grip steel core
- wgt. 10.00kg

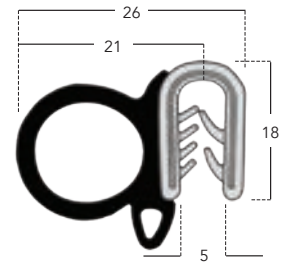


## Edge-Seal Section

Suits 2-5mm Panel Thickness

### RUMS2208/EJ

- Black
- 50 Metre roll
- Seal: EPDM sponge rubber
- Carrier: soft PVC complete with self-grip steel core
- wgt. 12.00kg

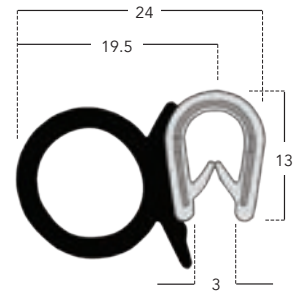


## Edge-Seal Section

Suits 1-3mm Panel Thickness

### RUMS2369/EJ

- Black
- 50 Metre roll
- Seal: EPDM sponge rubber
- Carrier: soft PVC complete with self-grip steel core
- wgt. 12.00kg

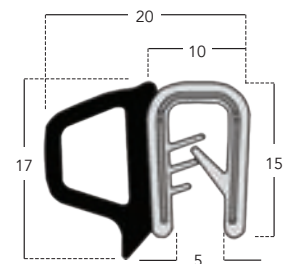


## Edge-Seal Section

Suits 2-5mm Panel Thickness

### RUMS2370/EJ

- Black
- 50 Metre roll
- Seal: EPDM sponge rubber
- Carrier: soft PVC complete with self-grip steel core
- wgt. 10.00kg

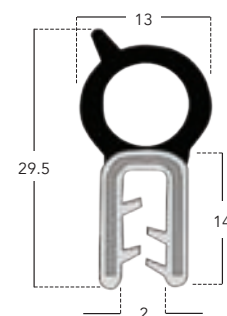


## Top Seal Section

Suits 1-2mm Panel Thickness

### RUMS1723/EJ

- Black
- 50 Metre roll
- Seal: EPDM sponge rubber
- Carrier: soft PVC complete with self-grip steel core
- wgt. 13.00kg

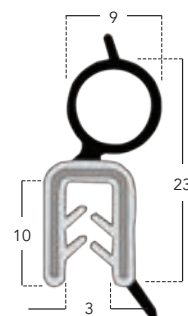


## Top Seal Section

Suits 1-3mm Panel Thickness

### RUMS2185/EJ

- Black
- 50 Metre roll
- Seal: EPDM sponge rubber
- Carrier: soft PVC complete with self-grip steel core
- wgt. 12.00kg

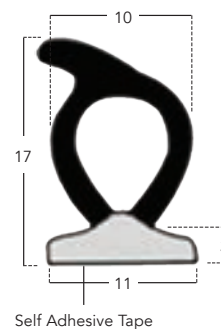


## Top Seal Section

Self-Adhesive

### RUMS0112/TS

- Black
- 50 Metre roll
- Seal: EPDM sponge rubber
- Carrier: hard EPDM complete with self-adhesive tape  
(mating surface must be suitably cleaned and prepared prior to fitment)
- wgt. 4.00kg



## Top Seal Section

Suits 2-5mm Panel Thickness

### RUMS2193/TS

- Black
- 50 Metre roll
- Seal: EPDM sponge rubber
- Carrier: soft EPDM complete with self-grip steel core
- wgt. 7.50kg

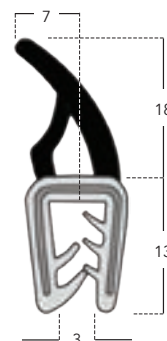


## Leaf Seal Section

Suits 1-3mm Panel thickness

### RUMS0763/LS

- Black
- 50 Metre roll
- Seal: EPDM sponge rubber
- Carrier: soft EPDM complete with self-grip steel core
- wgt. 15.00kg

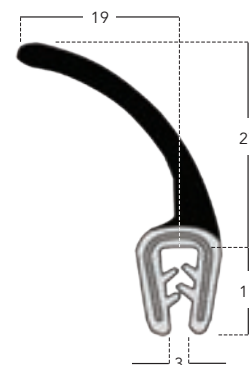


## Leaf Seal Section

Suits 1-3mm Panel Thickness

### RUMS2006/LS

- Black
- 50 Metre roll
- Seal: EPDM sponge rubber
- Carrier: soft EPDM complete with self-grip steel core
- wgt. 14.00kg

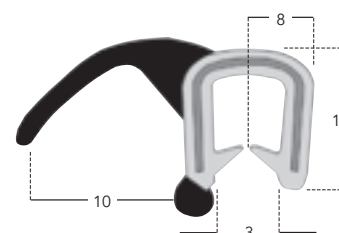


## Leaf Seal Section

Suits 1-3mm Panel Thickness

### RUMS2009/LS

- Black
- 50 Metre roll
- Seal: EPDM sponge rubber
- Carrier: soft EPDM complete with self-grip steel core
- wgt. 12.00kg



## Lateral Protection System – ASGK990 SERIES

UNECE Regulation 73 Compliant

The fitment of Lateral Protection (Sideguard) Systems is a mandatory requirement on all new vehicles (where permissible), over 3500kg.

The **ASGK990 SERIES** is extremely robust, with its Armour-Tech 600 (AT600) surface coated sideguard legs and anodized aluminium rail.

All **ASGK990 SERIES** legs and rail are clearly marked with 'E' approval marking (E11 73R-011005), this simplifies the ordering process as all components can be bought individually (not in kit form) and combined together.

The **ASGK990 SERIES** offers a practical and affordable solution to the body building and repair industry

- Tested and approved by The V.C.A.
- Available with four leg lengths
- Meets all the mandatory requirements of 'Whole Vehicle Type Approval' (UNECE Regulation 73)
- Legs and rail are clearly marked with the 'E' approval marking (E11 73R-011005)
- Single, double and triple (extended) pedestrian guard kits to suit, available from stock
- All hinged legs are AT600 surface coated – 600+ hours salt spray tested
- E approval certificate and full mounting instructions available upon request

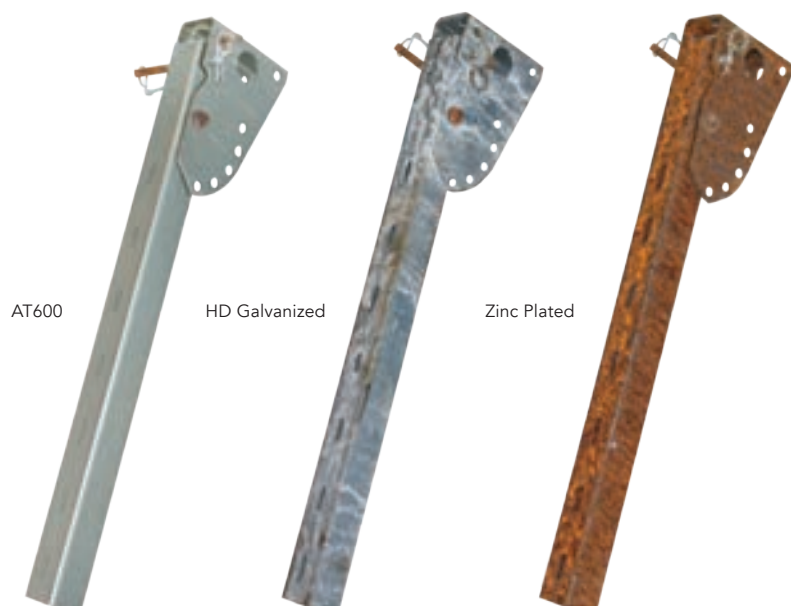


## Salt Spray Effects on Surface Coatings

Sideguard legs are mounted under a vehicle / trailer chassis, therefore are regularly subjected to road spray, silt & salt abrasion causing many corrosion factors. Armour-Tech 600 (AT600) has been developed to combat against these issues. AT600 is a smooth zinc rich coating, overlaid with a polyurethane (PU) top layer, this provides a durable finish that has an exceptional resistance to abrasion and corrosion.

See below the results after 600 hours of salt-spray testing (ASTM B117)

- **Armour-Tech 600 (AT600)**  
Virtually no deterioration or abrasion effect after 600 hours
- **Hot-Dipped Galvanized**  
Salt deposits and the appearance of white rust after 96 hours, steady deterioration and appearance of red rust after 600 hours
- **Zinc Plated**  
Appearance of red rust after 48-96 hours, rapid deterioration, full coverage of red rust after 600 hours (not recommended for under-chassis applications)



## Lateral Protection System – ASGK990 SERIES

### Hinged Sideguard Legs

Hinged sideguard legs are most commonly used in lateral protection systems, the pin can simply be removed allowing the leg to pivot on the fixed bolt. The system can then be lifted clear from the underside of the vehicle, the pin is then re-inserted to hold at the desired angle/height



#### ASGK990/395AAT/73R

- 395mm Leg length
- 430mm Overall length
- 3 Mounting slots
- wgt. 3.03kg

#### ASGK990/560AAT/73R

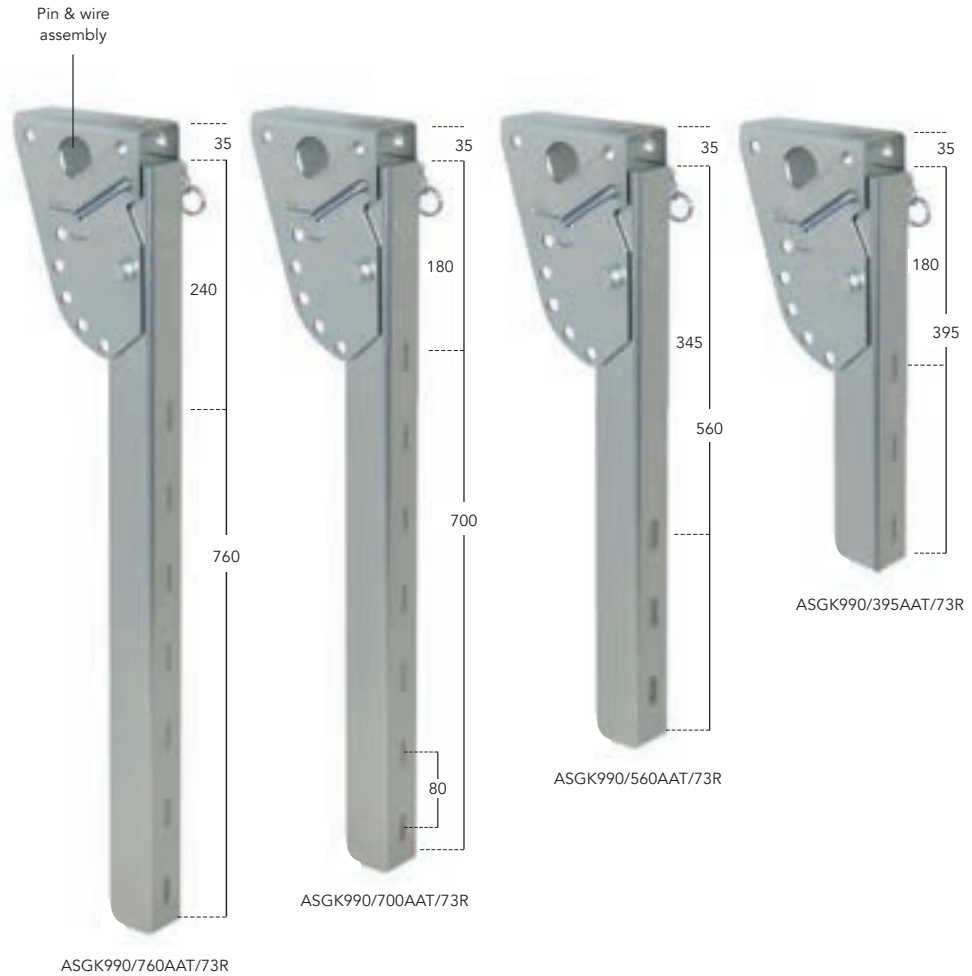
- 560mm Leg length
- 595mm Overall length
- 3 Mounting slots
- wgt. 3.25kg

#### ASGK990/700AAT/73R

- 700mm Leg length
- 735mm Overall length
- 7 Mounting slots
- wgt. 3.95kg

#### ASGK990/760AAT/73R

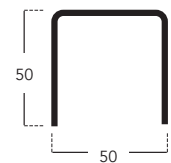
- 760mm Leg length
- 795mm Overall length
- 7 Mounting slots
- wgt. 4.05kg



- Four leg lengths to meet most applications
- Armour-Tech 600 (AT600) surface coating
- 600 Hours+ salt spray tested
- Complete with pin & wire assembly
- Supplied individually
- Mounting slots: L30 x W8.8mm / 80mm centres
- High tensile bolts required for mounting – fitting instructions available upon request
- Spare parts available, see page 293
- Supplied pre-assembled



E11 Approved



Leg channel profile

## Lateral Protection System – ASGK990 SERIES 'CUSTOM'

### Hinged Sideguard Leg

The ASGK990 SERIES 'CUSTOM' allows the bodybuilder or end-user to personalise their vehicle with bespoke sideguard systems.



- **Design rights protected**
- Low minimum order quantity – only 50 units per order
- No set-up charge
- Our in-house design team can create your artwork, if required
- Artwork can be multi-coloured
- Increase your after-sales business, ensuring customers return to you for replacements
- 'CUSTOM' badges are bonded within the bespoke recess on the front face of the sideguard leg, enhancing the appearance, whilst offering additional protection due to road spray and eliminating the risk of de-bonding
- Superior 'automotive-grade' adhesive ensures the badge fully adheres to the surface



Recess on the front face is designed to allow 'CUSTOM' badge to sit below the surface



#### ASGK990/700AAT/CR

- 700mm Leg length
- 735mm Overall length
- 7 Mounting slots
- wgt. 3.95kg
- Armour-Tech 600 (AT600) surface coating
- 600 Hours+ salt spray tested
- Complete with pin & wire assembly
- Supplied pre-assembled with 'CUSTOM' badges in situ
- **Contact us for more information**

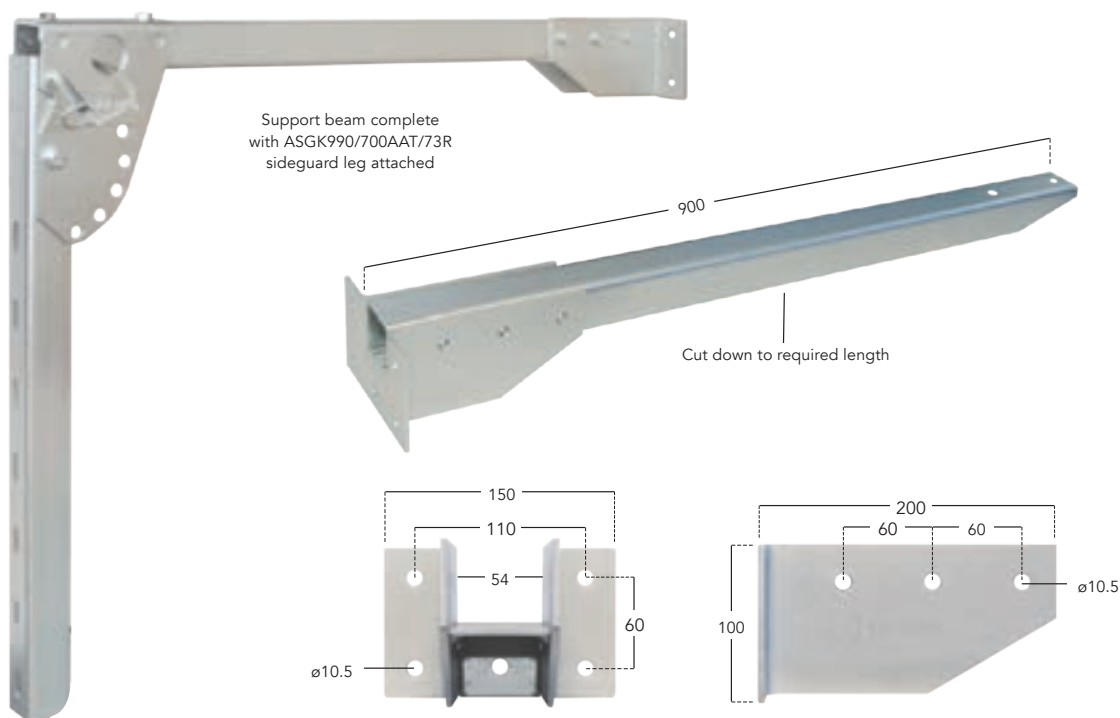
## Lateral Protection System – ASGK990 SERIES

Adjustable Chassis Mounted Sideguard Support Beam – Fixed Beam



### ASGK990/900SAAT/73R

- UNECE Regulation 73 compliant when used in conjunction with **ASGK990 SERIES** hinged legs and sideguard rail
- Ideally suited for fridge vehicles, tipper trucks and where conventional hinged legs cannot be mounted
- Designed to suit standard chassis widths, support beam can be 'cut down' to the required length
- Robust design
- Armour-Tech 600 (AT600) surface coating
- 600 Hours+ salt spray tested
- Full fitting instructions available upon request
- Each kit consists of: 1 x chassis bracket W150 x D100 x L200mm 1 x support beam W53 x D50 x L900mm
- Chassis bracket: 5 x  $\varnothing 10.5$ mm mounting points
- High tensile bolts required for assembly / mounting
- Sideguard leg not included
- wgt. 5.16kg



## Lateral Protection System – ASGK990 SERIES

Aluminium Rail



### ASGK990/3000AR2/73R

- Length: 3000mm
- wgt. 3.64kg

### ASGK990/3200AR2/73R

- Length: 3200mm
- wgt. 3.88kg

### ASGK990/3400AR2/73R

- Length: 3400mm
- wgt. 4.13kg

### ASGK990/4000AR2/73R

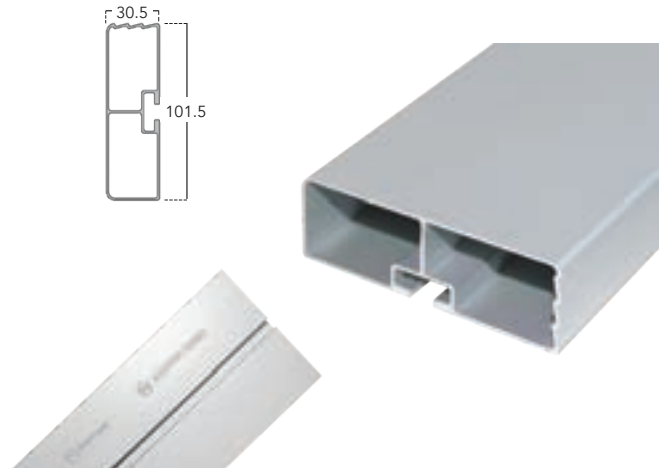
- Length: 4000mm
- wgt. 4.86kg

### ASGK990/5000AR2/73R

- Length: 5000mm
- wgt. 6.07kg

### ASGK990/6000AR2/73R

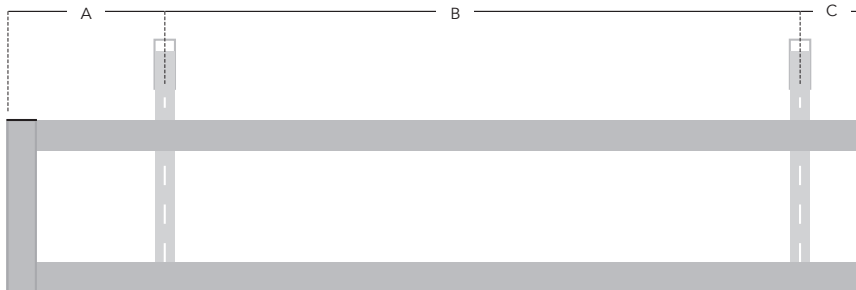
- Length: 6000mm
- wgt. 7.29kg



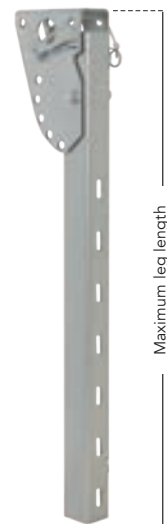
- Anodised aluminium
- Single bolt fixing
- Full fitting instructions available upon request
- Compliant with Regulation 73 (E11 73R-011005), when used in conjunction with **ASGK990 SERIES** components
- E Approval marking laser etched every 1000mm on the rear of all rail lengths

## ASGK990 Mounting Requirements

Suitable for Class N2, N3, O3 & O4 Vehicle Types



- The detailed mounting requirements can only be used when combining **ASGK990 SERIES** components
- The dimensions listed below are the maximum permissible
- Full fitting instructions available upon request



| Maximum Leg Length (mm) | A Front Overhang (mm) | B Leg Centres (mm) | C Rear Overhang (mm) |
|-------------------------|-----------------------|--------------------|----------------------|
| 430                     | 800                   | 2000               | 250                  |
| 430                     | 800                   | 3000               | 200                  |
| 595                     | 800                   | 2000               | 250                  |
| 595                     | 800                   | 3000               | 200                  |
| 735                     | 800                   | 2000               | 250                  |
| 735                     | 800                   | 3000               | 200                  |
| 795                     | 800                   | 3000               | 200                  |

- Class **N2** – 3.5T to 12T DGWW
- Class **N3** – Over 12T DGWW
- Class **O3** – 3.5T to 10T TAW
- Class **O4** – Over 10T TAW

**DGWW** = Design Gross Vehicle Weight

**TAW** = Total Axle Weight

- This information is for guideline purposes only
- Please refer to UNECE Regulation 73 for up-to-date amendments & specifications

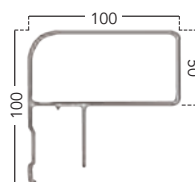
## Lateral Protection System – ASGK990 SERIES

Single Pedestrian End Rail Kit

### ASGK100/2/SPGK

Kit contains:

- 2 x 100mm Anodised aluminium pedestrian guards
- 2 x ASGK10030/EC Rail end caps
- 2 x ASGK1188/TPGC Top pedestrian guard covers
- 2 x ASGK1189/BPGC Bottom pedestrian guard covers
- 4 x ASGK990/SGRMB/ZP M8 x 24mm Rail mounting bolts, nyloc nuts & washers
- 4 x 4.8mm x 12mm Guard attachment rivets
- wgt. 0.55kg



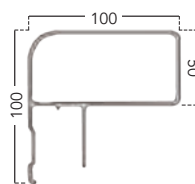
## Lateral Protection System – ASGK990 SERIES

Double Pedestrian End Rail Kit

### ASGK500/2/DPGK

Kit contains:

- 2 x 500mm Anodised aluminium pedestrian guards
- 4 x ASGK10030/EC Rail end caps
- 2 x ASGK1188/TPGC Top pedestrian guard covers
- 2 x ASGK1189/BPGC Bottom pedestrian guard covers
- 8 x ASGK990/SGRMB/ZP M8 x 24mm Rail mounting bolts, nyloc nuts & washers
- 8 x 4.8mm x 12mm Guard attachment rivets
- wgt. 2.11kg



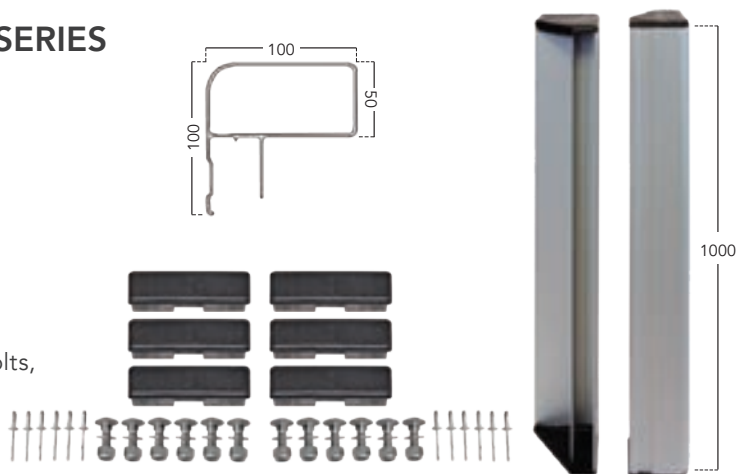
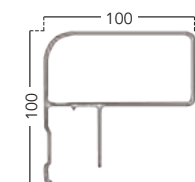
## Lateral Protection System – ASGK990 SERIES

Triple / 'Extended' Pedestrian End Rail Kit

### ASGK1000/3/TPGK

Kit contains:

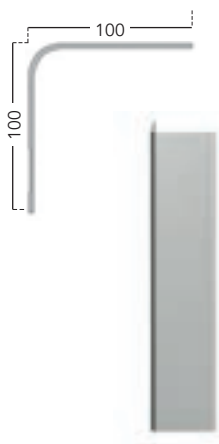
- 2 x 1000mm Anodised aluminium pedestrian guards
- 6 x ASGK10030/EC Rail end caps
- 2 x ASGK1188/TPGC Top pedestrian guard covers
- 2 x ASGK1189/BPGC Bottom pedestrian guard covers
- 12 x ASGK990/SGRMB/ZP M8 x 24mm Rail mounting bolts, nyloc nuts & washers
- 12 x 4.8mm x 12mm Guard attachment rivets
- wgt. 2.11kg



## Pedestrian End Rail Section – ASGK990 Series

### ASGK500/PGS/AA

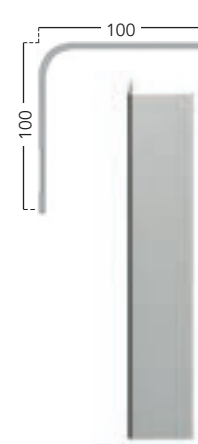
- 1 x 500mm Anodised aluminium pedestrian guard
- W100mm x D100mm
- Anodised finish
- wgt. 0.87kg



## Pedestrian End Rail Section – ASGK990 Series

### ASGK2500/PGS/AA

- 1 x 2500mm Anodised aluminium pedestrian guard section (allows various length configurations)
- W100mm x D100mm
- Anodised aluminium
- wgt. 4.35kg



## Lateral Protection System – ASGK990 SERIES

Spares / Replacement parts

### ASGK990/PWA/AT

- Pin & wire assembly
- Suits ASGK990 hinged legs
- wgt. 0.17kg

### ASGK10030/EC

- Rail end cap
- Suits ASGK990 aluminium rail
- wgt. 0.0013kg

### ASGK1188/TPGC

- Pedestrian guard cover
- Suits: nearside bottom / offside top
- wgt. 0.0079kg

### ASGK1189/BPGC

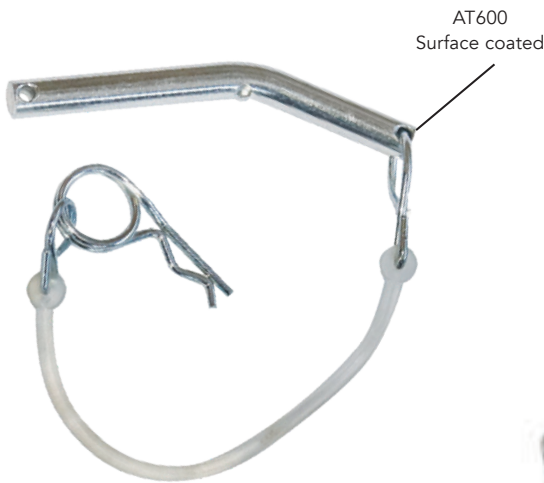
- Pedestrian guard cover
- Suits: nearside top / offside bottom
- wgt. 0.0079kg

### ASGK990/SGLB/ZP

- Sideguard leg bolt set
- Suits all ASGK990 Series sideguard legs
- M12 x L75mm
- 8.8 High tensile steel
- Complete with 2 x washers & 1 x nyloc nut
- Zinc plated
- wgt. 0.10kg

### ASGK990/SGRMB/ZP

- Sideguard rail mounting bolt
- Suits all ASGK990 Series sideguard rail
- M8 x L25mm
- 8.8 High tensile steel
- Zinc plated
- 0.016kg



ASGK990/PWA/AT



ASGK10030/EC



ASGK1188/TPGC




ASGK1189/BPGC



ASGK990/SGLB/ZP



ASGK990/SGRMB/ZP



**INSULATED BULKHEADS**  
**44-47**



**DROPLock FASTENERS**  
**87-91**



**ROLLER BUFFERS**  
**36-37**

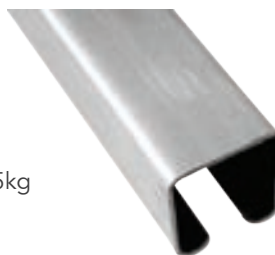
## Tubular Track & Door Hangers

### DGR200/10

- Tubular track
- L3000 x H41 x W38 x T1.75mm
- Zinc plated
- wgt. 5.10kg

### DGR227

- Sliding 4-wheel hanger
- Zinc plated
- Maximum door weight: 115kg
- Suits: DGR200/10 track
- wgt. 0.32kg



## Tubular Track & Door Hangers

### DGR35/3000

- L3000 x H44 x W35 x T2.3mm
- wgt. 5.10kg

### DGR35/4000

- L4000 x H44 x W35 x T2.3mm
- wgt. 6.80kg
- Zinc Plated

### DGR682

- 2 wheel hanger
- Steel wheels
- Zinc plated
- Maximum door/curtain weight 150kg
- wgt. 0.23kg

### DGR338/4/ZP

- 4 wheel hanger
- Plastic wheels
- Zinc plated
- Maximum door weight 180kg
- wgt. 0.33kg

- Suits: DGR35/3000 & DGR35/4000 track



## Hanging Track & Clamp Plates

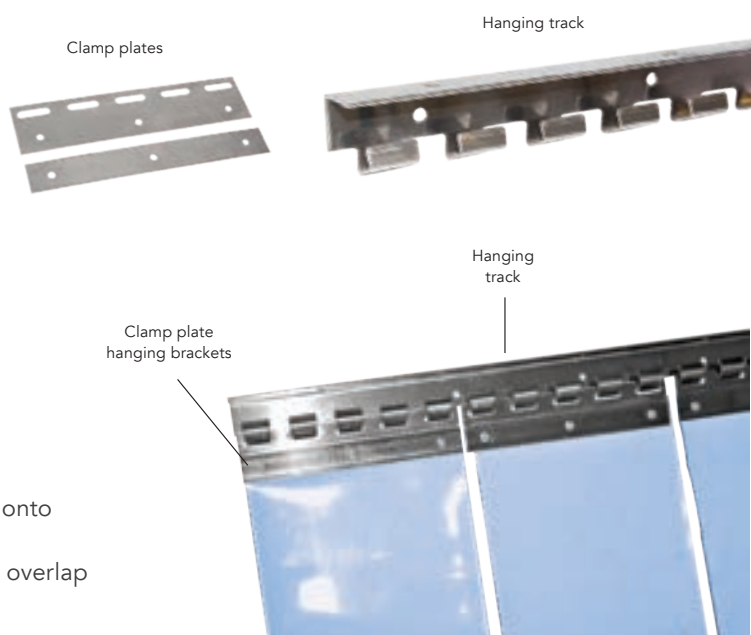
Hook Type Suspension Rails for PVC Strip Curtains

### DGR/CURT/TRK984/SS Hanging track

- L984 x W29 x D37mm
- ø6mm Fixing holes
- Heavy gauge stainless steel track - 1.2mm thick
- 430G Stainless steel
- wgt. 0.87kg

### DGR/CURT/HKSS Clamp plate hanging brackets

- wgt. 0.06kg
- Hook on clamp plates
- Stainless Steel
- L200mm • 2 Clamp plates per kit
- Used to clamp the PVC curtain strip and simply hook onto the DGR/CURT/TRK984/SS hanging track
- Simple to fit, the hook design allows for variable strip overlap
- Damaged strips can be easily replaced
- wgt. 0.06kg



## PVC Curtain Strip Transparent

**DGR/CURT200/50CL**

- L50mtr x W200mm x T2mm
- Colour: transparent
- For use in low temperature environments, such as cold stores and refrigeration transport
- Also available to order:
  - L100mtr x W200mm x T2mm
  - L75mtr x W300mm x T3mm
  - L50mtr x W400mm x T4mm
- Other colours available: red, green and orange
- wgt. 22.30kg



## Treadplate

Self Colour - Mild Steel

**ASTL1002**

- L3048 x W35 x D6.5mm (overall)
- 4mm Mild steel
- 3 Row profile
- wgt. 2.60kg



## Q-Grating Planks

Galvanized Steel, Self Colour Steel & Aluminium

- Designed to provide a safe walking surface where slippery substances could be part of the walking environment
- High load capacity to suit modern engineering activities
- Extremely durable
- All sizes available to order

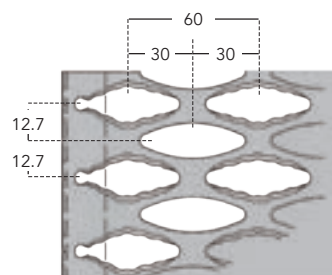
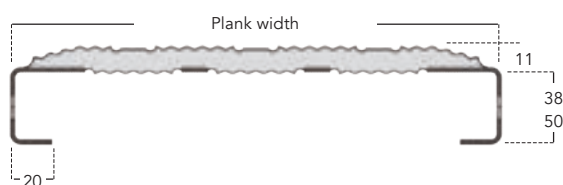
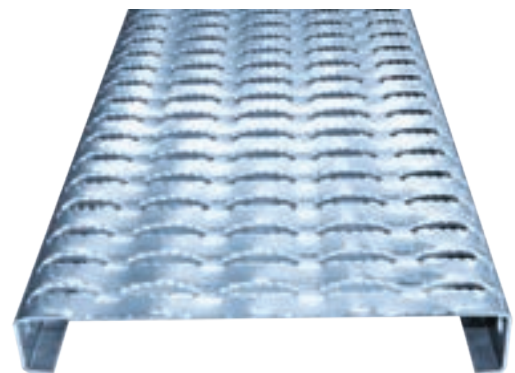
### Galvanized & Self Colour Steel

- Depth: 38mm
- Width options: 120, 180, 240, 300, 360 & 420mm
- Thickness: 2mm

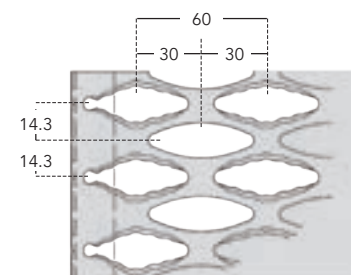
### Aluminium – Mill Finish

- Depth options: 38 & 50mm
- Width options: 240mm x D38mm
- Width options: 300mm x D50mm
- Thickness: 3mm

- Tread hole size: L47 x W15mm
- Side mounting slotted holes: L12 x W8mm
- Length: 3048mm (other lengths available, subject to minimum order quantities)



Steel



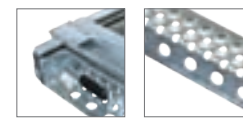
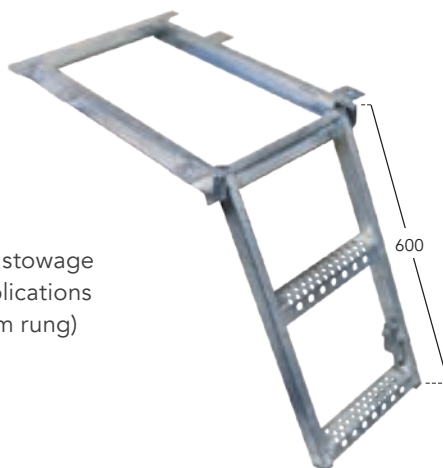
Aluminium

## Pull-Out Access Step – Galvanized

2 Rung

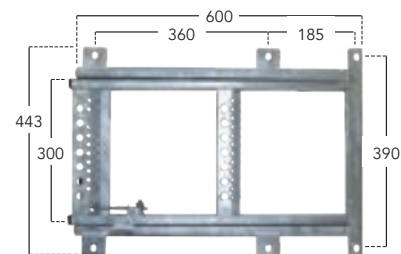
### ABUS871/BRGV

- Mounting frame hole centres: L360/185 x W390mm
- All steel construction
- Six fixing points: L14.5 x W10mm slots
- Fully galvanized to ISO 1461
- Perforated raised tread for extra grip
- Spring assisted transit latch for secure stowage
- High tensile bolts to be used in all applications
- Rated load: 136kg (rated on the bottom rung)
- wgt. 6.00kg



Transit latch

Raised tread

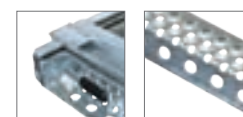


## Pull-Out Access Step – Galvanized

3 Rung

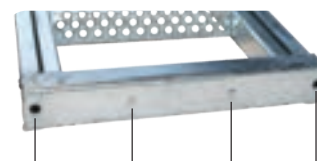
### ABUS873/BRGV

- Underbody fixing by welding to the chassis
- All steel construction
- Front brace fixing holes – 4 x  $\varnothing 10.5$ mm
- Fully galvanized to ISO 1461
- Perforated raised tread for extra grip
- Spring assisted transit latch for secure stowage
- High tensile bolts to be used in all applications
- Rated load: 136kg (rated on the bottom rung)
- wgt. 7.20kg

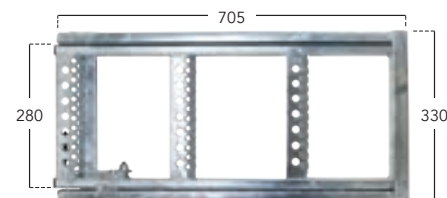


Transit latch

Raised tread



Front brace fixing holes

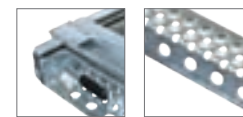


## Pull-Out Access Step with Platform – Galvanized

2 Rung

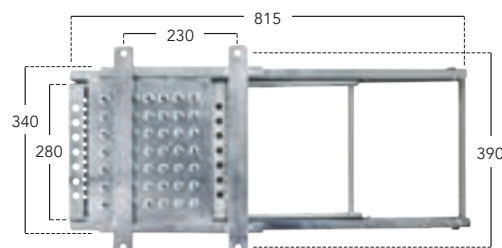
### ABUS876/BRGV

- Mounting frame hole centres: L230 x W390mm
- Platform: L250 x W285mm
- All steel construction
- Four fixing points:  $\varnothing 10.5$ mm
- Fully galvanized to ISO 1461
- Perforated raised tread for extra grip
- Spring assisted transit latch for secure stowage
- High tensile bolts to be used in all applications
- Rated load: 136kg (rated on the bottom rung)
- wgt. 11.20kg



Transit latch

Raised tread

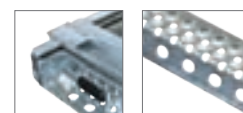


### Pull-Out Access Step with Platform – Galvanized

3 Rung

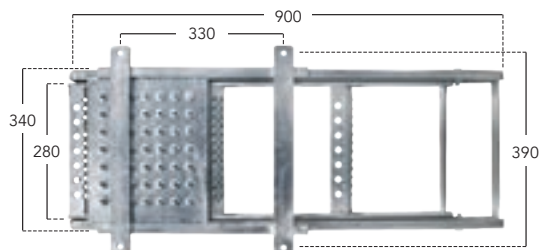
**ABUS879/BRGV**

- Mounting frame hole centres: L330 x W390mm
- Platform: L250 x W285mm
- All steel construction
- Four fixing points:  $\varnothing 10.5\text{mm}$
- Fully galvanized to ISO 1461
- Perforated raised tread for extra grip
- Spring assisted transit latch for secure stowage
- High tensile bolts to be used in all applications
- Rated load: 136kg (rated on the bottom rung)
- wgt. 16.00kg



Transit latch

Raised tread

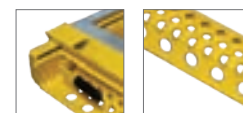
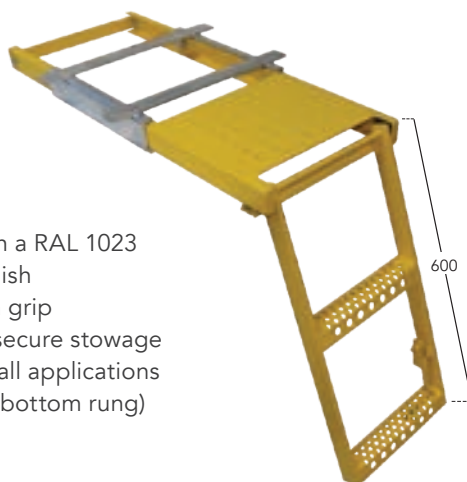


### Pull-Out Access Step with Platform – Yellow Painted

2 Rung

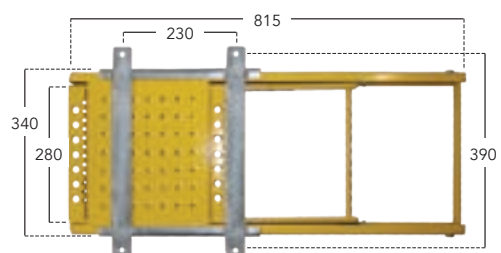
**ABUS876/BRYEL**

- Mounting frame hole centres: L230 x W390mm
- Platform: L250 x W285mm
- All steel construction
- Four fixing points:  $\varnothing 10.5\text{mm}$
- Fully galvanized to ISO 1461 with a RAL 1023 epoxy top coat, safety yellow finish
- Perforated raised tread for extra grip
- Spring assisted transit latch for secure stowage
- High tensile bolts to be used in all applications
- Rated load: 136kg (rated on the bottom rung)
- wgt. 11.20kg



Transit latch

Raised tread

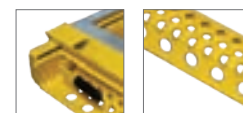
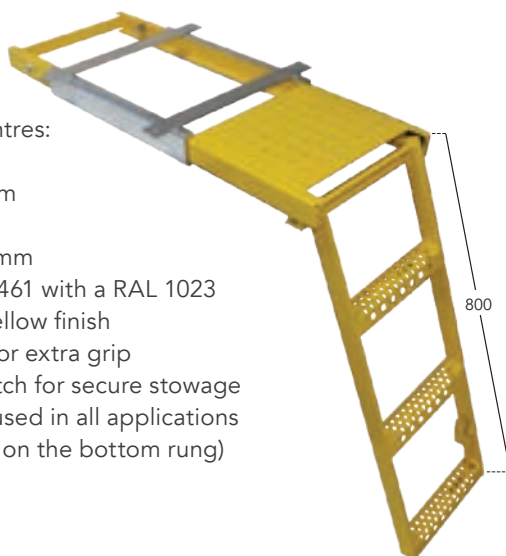


### Pull-Out Access Step with Platform – Yellow Painted

3 Rung

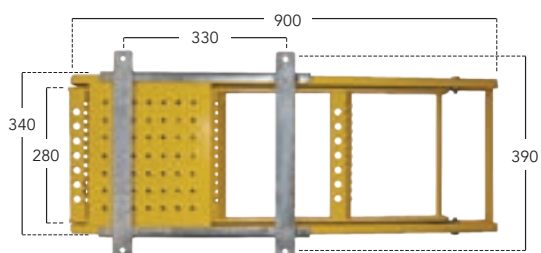
**ABUS879/BRYEL**

- Mounting frame hole centres: L330 x W390mm
- Platform: L250 x W285mm
- All steel construction
- Four fixing points:  $\varnothing 10.5\text{mm}$
- Fully galvanized to ISO 1461 with a RAL 1023 epoxy top coat, safety yellow finish
- Perforated raised tread for extra grip
- Spring assisted transit latch for secure stowage
- High tensile bolts to be used in all applications
- Rated load: 136kg (rated on the bottom rung)
- wgt. 16.00kg



Transit latch

Raised tread

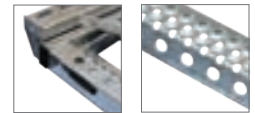
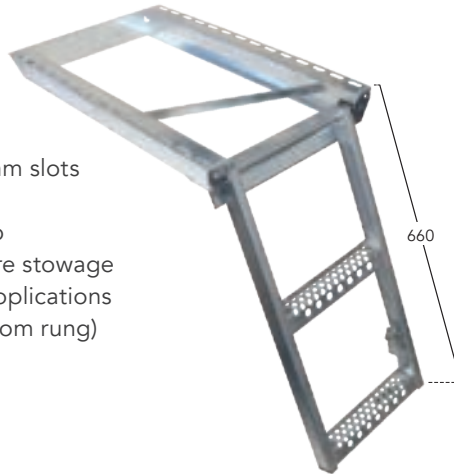


## Pull-Out Access Step, Multi-Hole Fixing – Galvanized

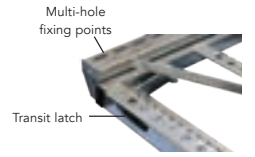
2 Rung

**ABUS971/MFGV**

- Step: L660 x W315mm
- Frame: L645 x W415mm
- All steel construction
- Multi-hole fixing points: L30 x W10mm slots
- Fully galvanized to ISO 1461
- Perforated raised tread for extra grip
- Spring assisted transit latch for secure stowage
- High tensile bolts to be used in all applications
- Rated load: 136kg (rated on the bottom rung)
- wgt. 9.20kg

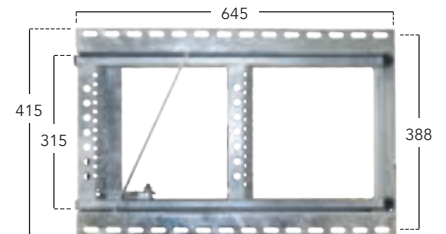


Transit latch      Raised tread



Multi-hole fixing points

Transit latch



## Pull-Out Access Step, Multi-Hole Fixing – Galvanized

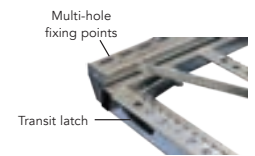
3 Rung

**ABUS973/MFGV**

- Step: L820 x W315mm
- Frame: L800 x W415mm
- All steel construction
- Multi-hole fixing points: L30 x W10mm slots
- Fully galvanized to ISO 1461
- Perforated raised tread for extra grip
- Spring assisted transit latch for secure stowage
- High tensile bolts to be used in all applications
- Rated load: 136kg (rated on the bottom rung)
- wgt. 10.20kg

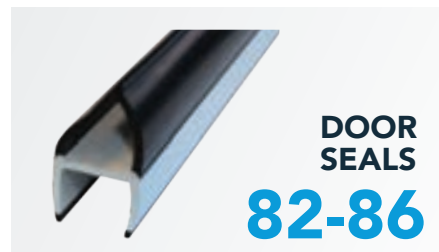
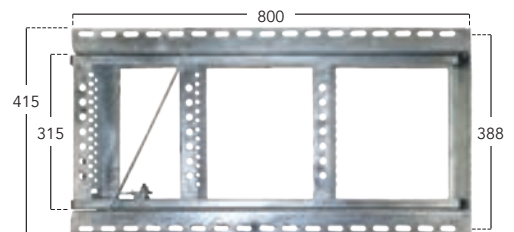


Transit latch      Raised tread



Multi-hole fixing points

Transit latch



### IMPORTANT

Zinc plating is only classed as a 'sacrificial' coating (gives itself up to the corrosive media).  
A protective barrier (i.e. paint) is recommended to protect against moisture.

**TLS cannot be held responsible for the effects of corrosion on zinc plated parts**

## Escalier Range of Steps – Galvanized

Heavy Duty

The 'Escalier Range' is a premium collection of access steps, designed with the operator in mind. The 'Escalier Range' offers heavy duty steps, which incorporate a sturdy platform to access the vehicle, which is essential when carrying goods.

Additional safety features have been added to the range, including the extended heavy duty 'safety yellow' pull handle, which ensures two hands are used when the step is stowed/deployed.

The bottom tread has been reduced in width to avoid 'finger trap' incidents from misuse when operating the step.

*escalier*  
RANGE



### The Escalier Range Features

**A**

'U' BRACKET  
adjusts the length  
and angle of  
ladder

**B**

SAFETY YELLOW  
HANDLE

**C**

GRAVITY SAFETY  
CATCH

**D**

PATENTED  
RAISED  
HONEYCOMB  
TREAD

**E**

EASY-GLIDE  
ROLLERS

**F**

NARROW  
BOTTOM TREAD



• **ABUS2600B/GV, ABUS3600B/GV, ABUS4600B/GV & ABUS4450/GV**

Are all supplied with an 'extra-wide' safety yellow pressed handle – alternative handles can be supplied, please contact your local sales office for more information.

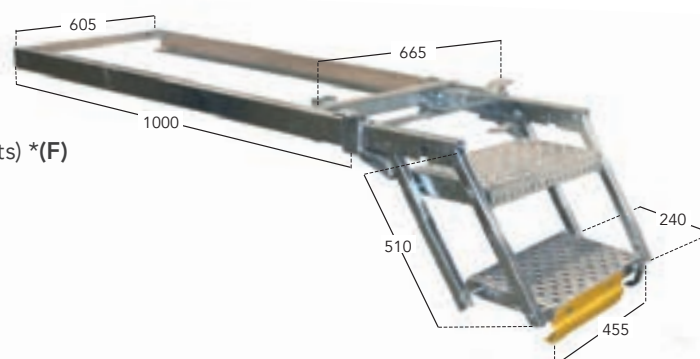
## Sliding Ladder Step – Galvanized

2 Rung

*escalier*  
RANGE

**ABUS2600B/GV**

- Frame: L1000 x W605mm
- Tread: D240 x W505mm (bottom tread W455mm)
- All steel construction
- Narrow bottom tread width (avoid finger trap incidents) \*(F)
- Easy-Glide rollers to aid operation \*(E)
- Safety yellow pressed handle \*(B)
- Gravity safety catch \*(C)
- 4 Fixing points
- Self-Cleaning patented honeycomb tread \*(D)
- 'U' Bracket – allows the height/angle of the ladder to be adjusted: 340 to 440mm \*(A)
- Fully galvanized to ISO 1461
- Safe working load: 150kg (rated on the bottom rung)
- wgt. 30.00kg

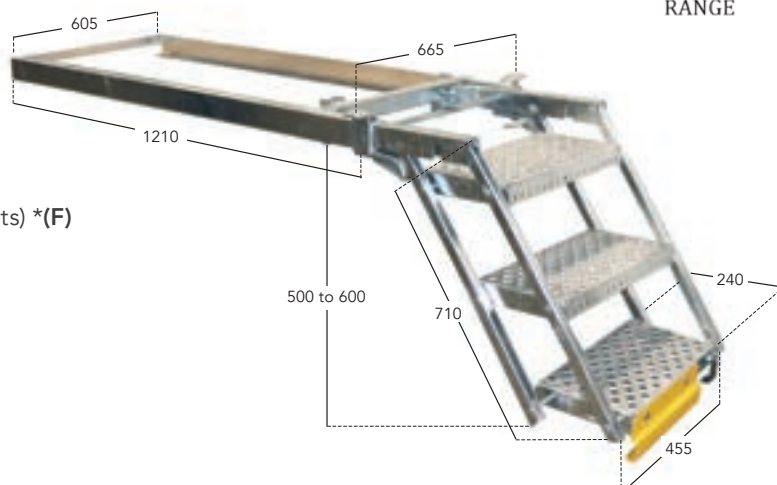


## Sliding Ladder Step – Galvanized

3 Rung

### ABUS3600B/GV

- Frame: L1210 x W605mm
- Tread: D240 x W505mm (bottom tread W455mm)
- All steel construction
- Narrow bottom tread width (avoid finger trap incidents) **\*(F)**
- Easy-Glide rollers to aid operation **\*(E)**
- Safety yellow pressed handle **\*(B)**
- Gravity safety catch **\*(C)**
- 4 Fixing points
- Self-Cleaning patented honeycomb tread **\*(D)**
- 'U' Bracket – allows the height/angle of the ladder to be adjusted: 500 to 600mm **\*(A)**
- Fully galvanized to ISO 1461
- Safe working load: 150kg (rated on the bottom rung)
- wgt. 35.00kg

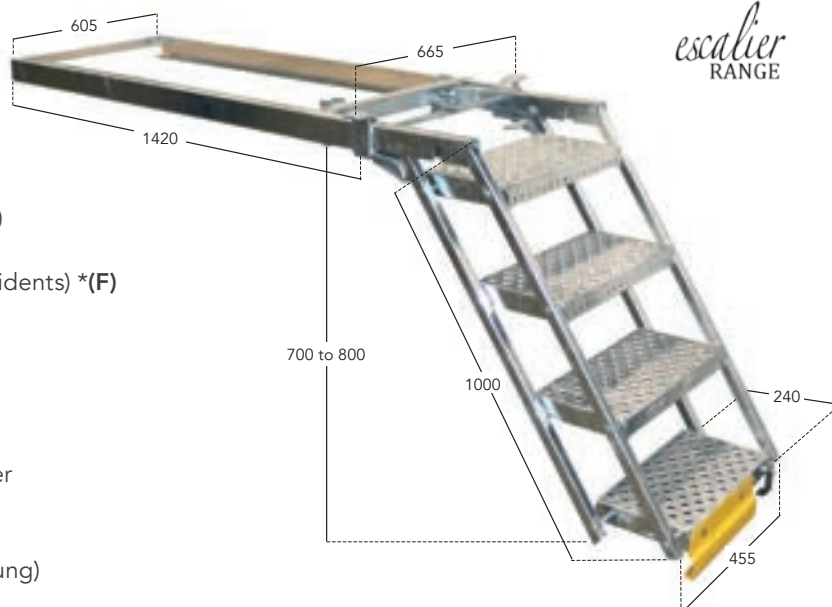


## Sliding Ladder step – Galvanized

4 Rung

### ABUS4600B/GV

- Frame: L1420 x W605mm
- Tread: D240 x W505mm (bottom tread W455mm)
- All steel construction
- Narrow bottom tread width (avoid finger trap incidents) **\*(F)**
- Easy-Glide rollers to aid operation **\*(E)**
- Safety yellow pressed handle **\*(B)**
- Gravity safety catch **\*(C)**
- 4 Fixing points
- Self-Cleaning patented honeycomb tread **\*(D)**
- 'U' Bracket – allows the height/angle of the ladder to be adjusted: 700 to 800mm **\*(A)**
- Fully galvanized to ISO 1461
- Safe working load: 150kg (rated on the bottom rung)
- wgt. 60.00kg

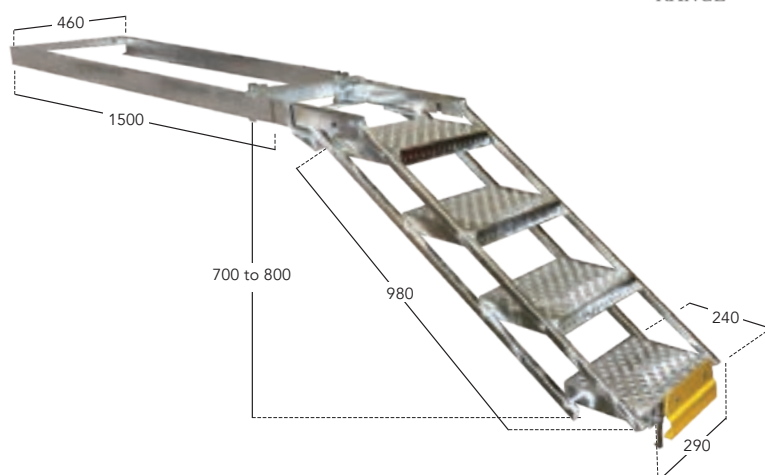


## Sliding Ladder Step – Galvanized

4 Rung – Narrow frame

### ABUS4450/GV

- Frame: L1500 x W460mm
- Tread: D240 x W365mm (bottom tread W290mm)
- All steel construction
- Easy-Glide rollers to aid operation **\*(E)**
- Safety yellow pressed handle **\*(B)**
- Gravity safety catch **\*(C)**
- 4 Fixing points
- Self-Cleaning patented honeycomb tread **\*(D)**
- 'U' Bracket – allows the height/angle of the ladder to be adjusted: 700 to 800mm **\*(A)**
- Fully galvanized to ISO 1461
- Safe working load: 150kg (rated on the bottom rung)
- wgt. 46.00kg

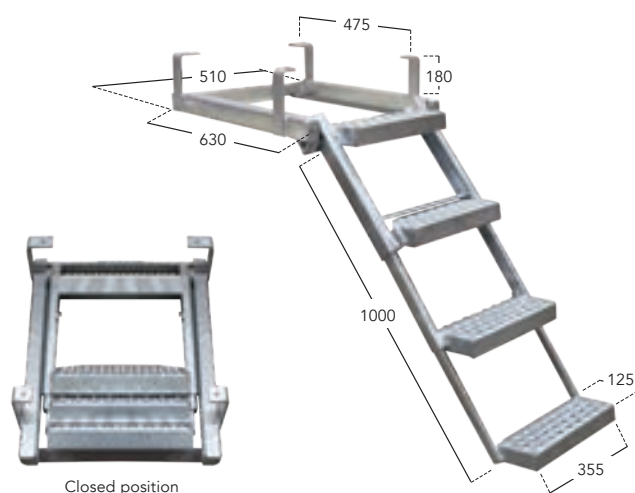


## Sliding Ladder Step – Galvanized

4 Rung – Telescopic

### ABUSNR4356/GV

- Frame: L630 x W510mm
- Tread: D125 x W355mm
- All steel construction
- Unique compact telescopic design
- 4 Fixing points
- Self-Cleaning raised grate tread
- Fully galvanized to ISO 1461
- Safe working load: 135kg (rated on the bottom rung)
- 3 Rung version available upon request
- wgt. 25.00kg



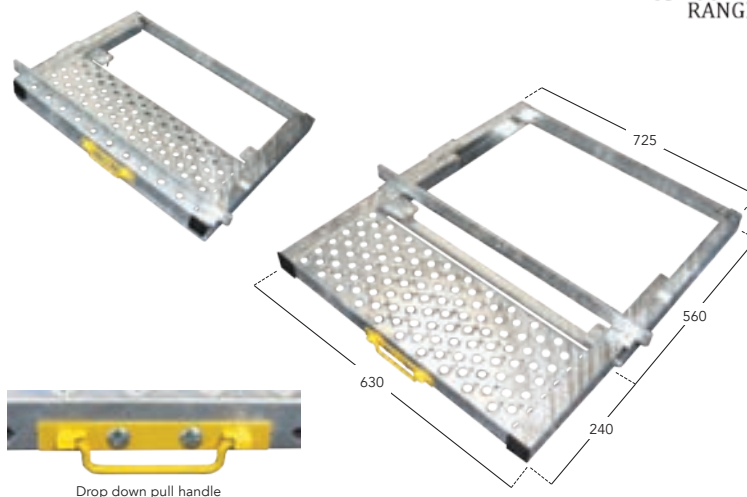
Closed position

escalier  
RANGE

## Cassette Step – Galvanized

### ABUSNR1720/GV

- Frame: L560 x W725mm
- Tread: D240 x W630mm
- All steel construction
- Safety yellow drop down pull handle
- 4 Fixing points
- Self-Cleaning patented honeycomb tread **\*(D)**
- Fully galvanized to ISO 1461
- wgt. 15.00kg



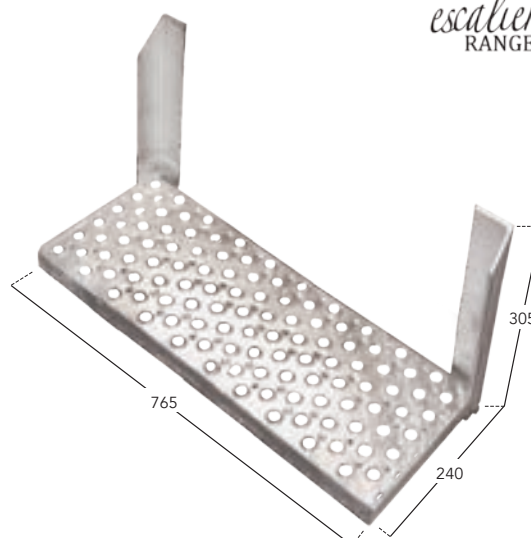
Drop down pull handle

escalier  
RANGE

## Pivotal Step – Galvanized

### ABUSNR1780/GV

- Frame: H305 x W60mm
- Tread: D240 x W765mm
- All steel construction
- 2 Fixing points
- Locks securely into position when opened and closed
- Self-Cleaning patented honeycomb tread **\*(D)**
- Fully galvanized to ISO 1461
- wgt. 8.50kg



escalier  
RANGE

## Sliding Ladder Step – Galvanized

Complete with Handrails

When climbing or working from a ladder, three points of contact should be maintained. The 'Escalier' double handrail steps ensure the operator can enter and exit the vehicle without the risk of falling

### ABUSNR6595/GV 6 Rung

- Frame: L2270 x W750mm
- Tread: D240 x W515mm
- Overall step frame length: 2240mm
- 'U' Bracket – allows the height/angle of the ladder to be adjusted: 950 to 1100mm **\*(A)**
- wgt. 80.00kg

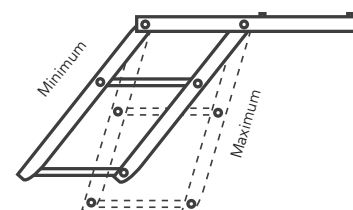
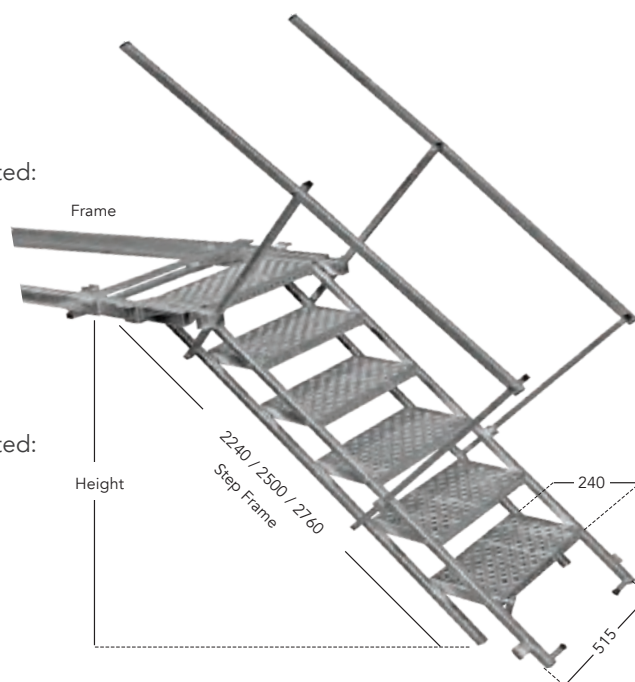
### ABUSNR7595/GV 7 Rung

- Frame: L2560 x W750mm
- Tread: D240 x W515mm
- Overall step frame length: 2500mm
- 'U' Bracket – allows the height/angle of the ladder to be adjusted: 1100 to 1250mm **\*(A)**
- wgt. 95.00kg

### ABUSNR8595/GV 8 Rung

- Frame: L2850 x W750mm
- Tread: D240 x W515mm
- Overall step frame length: 2760mm
- 'U' Bracket – allows the height/angle of the ladder to be adjusted: 1250 to 1400mm **\*(A)**

- All steel construction
- Easy-Glide rollers to aid operation **\*(E)**
- Gravity safety catch
- Double handrails simply 'pop-up' when the step is deployed and retract when stowed
- Self-Cleaning patented honeycomb tread **\*(D)**
- Offers '3 points of contact', essential for correct use of a ladder – HSE
- Fully galvanized to ISO 1461
- Safe working load: 150kg (rated on the bottom rung)

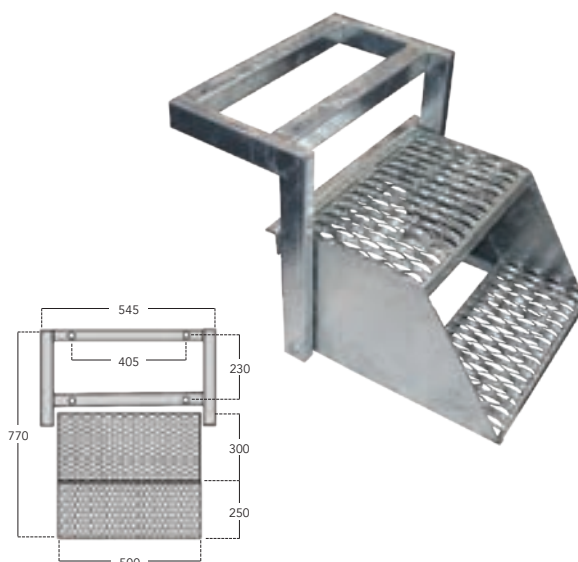
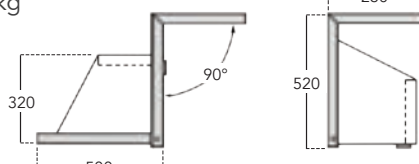


## Large Folding Access Step – Heavy Duty

2 Rung – Galvanized

### ABUS2219

- Frame: W545 x D230 x H520mm
- Step: W500 x D250mm first tread / 300mm second tread
- Overcentre folding action for secure storage
- Heavy duty construction
- Honeycomb self cleaning treads
- Under chassis fixing – 4 x M10 bolts (not supplied)
- Galvanized to ISO 1461
- Safe working load: 140kg
- wgt. 14.60kg



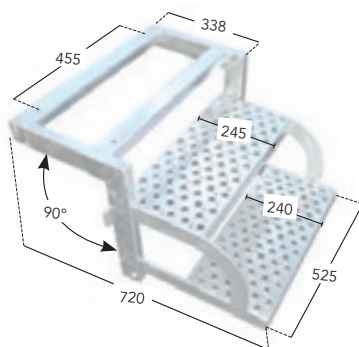
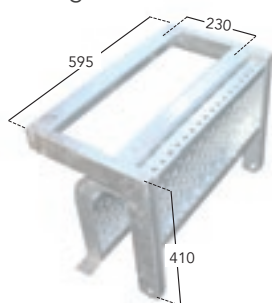
## 'Escalier' Large Folding Access Step – Heavy Duty

2 Rung – Galvanized

*escalier*  
RANGE

### ABUSNR0183/GV

- Frame: W595mm x D338mm x H410mm
- Step: W525mm x D240mm first tread / 245mm second tread
- Overcentre folding action for secure storage
- Self-Cleaning patented honeycomb tread
- Heavy duty construction
- Under chassis fixing – 8 x M10 bolts (not supplied)  
4 Holes in frame top face & 4 Holes in frame side face
- Galvanized to ISO 1461
- Safe working load: 140kg
- wgt. 18.00kg

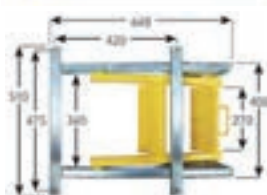


## Lift 'n' Stow Under-Body Mounted Access Steps

Easy to use, simply lift the step out of the housing pocket and retract smoothly along the inner frame and lower into place, reverse to stow. Gravity and fixed security tabs hold the step securely in place once stowed.

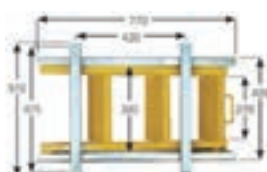
### ABUS237058/2/GVYEL 2 Rung

- Frame: L648 x W510 x D325mm
- Step: L530 x W270 x D120mm
- Galvanized c/w safety yellow painted steps, offers greater corrosion resistance
- 4 x ø9.5mm Fixing points
- High tensile bolts to be used in all applications
- Rated load: 200kg (rated on bottom rung)
- wgt. 12.50kg



### ABUS237059/3/GVYEL 3 Rung

- Frame: L770 x W510 x D325mm
- Step: L765 x W270 x D120mm
- Galvanized c/w safety yellow painted steps, offers greater corrosion resistance
- 4 x ø9.5mm Fixing points
- High tensile bolts to be used in all applications
- Rated load: 200kg (rated on bottom rung)
- wgt. 15.50kg

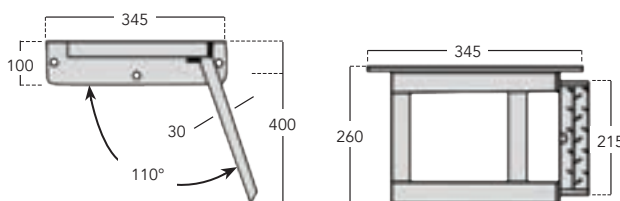
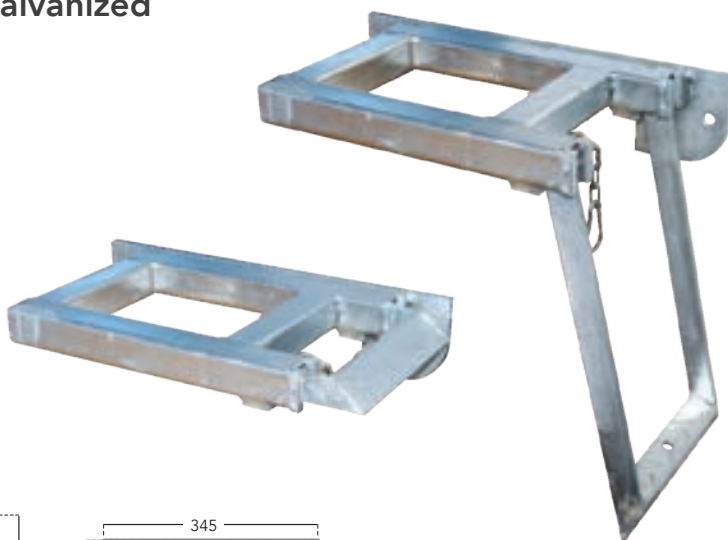


## Tuck-Away Tail-Lift Access Step – Galvanized

Single Rung

**ABUS882/BRGV** Single rung

- L400 x W215mm
- Bolts directly onto underside of tail lift framework
- 3 x ø11mm Fixing points
- Galvanized to ISO 1461
- wgt. 8.70kg



## Stirrup Steps – Galvanized

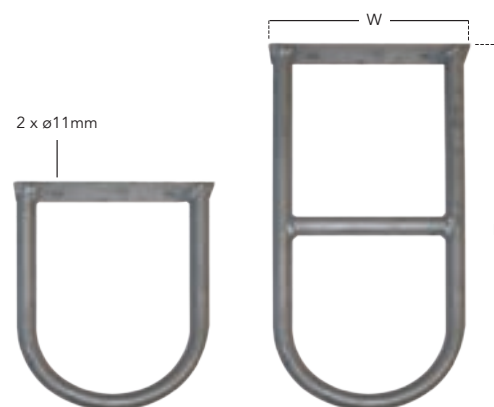
1 & 2 Rung

**ABUS2353** Single rung

- W245 x D305mm
- wgt. 1.67kg

**ABUS2355** 2 Rung

- W245 x D505mm
- wgt. 2.60kg
- Robust construction
- 2 x ø11mm Fixing points
- Galvanized to ISO 1461

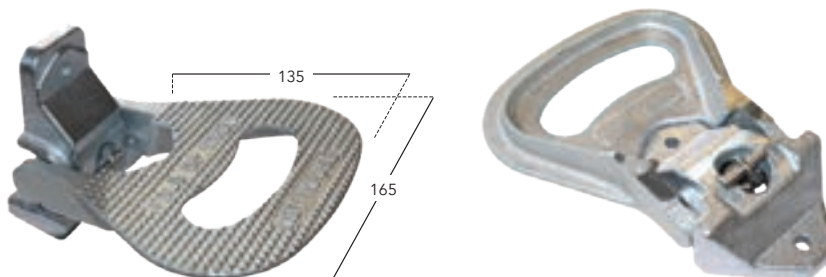


## Folding Access Step – Zinc Plated

Heavy Duty

**ABUS2295/ZP**

- Mounting plate: H130 x W90mm
- 2 x ø8mm Fixing holes
- Heavy duty design
- Spring loaded
- Wide tread platform
- Robust grip tread
- Stainless steel spring
- Safe working load: 180kg
- wgt. 1.43kg

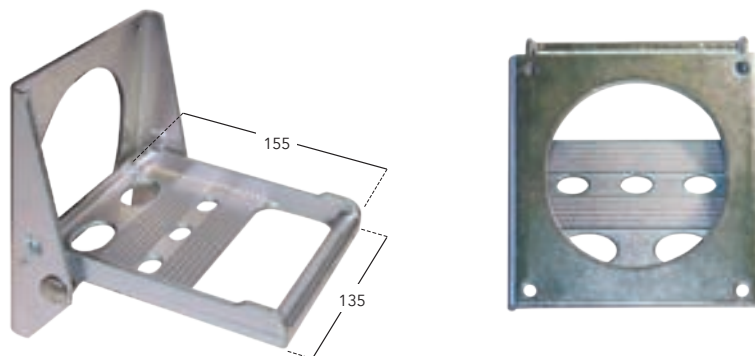


## Folding Access Step – CP350 Surface Coated

Heavy Duty

### ABUS2288/CP

- Mounting plate: H160 x W152mm
- 4 x ø8.5mm Fixing holes
- Wide tread platform
- Investment cast
- Exceptional resistance to corrosion
- Safe working load: 150kg
- wgt. 1.50kg

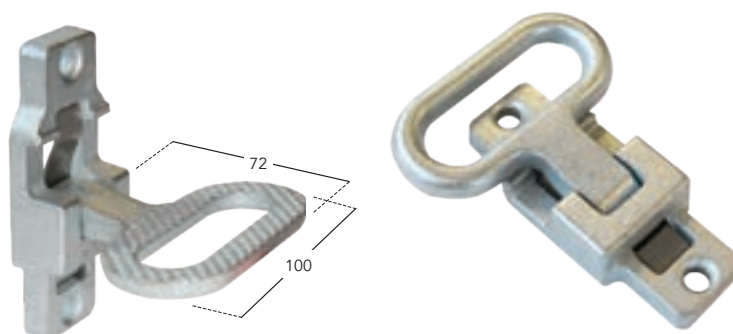


## Folding Access Step – Zinc Plated

Medium Duty

### ABUS2248/ZP

- Mounting plate: H120 x W47mm
- 2 x ø9.5mm Countersunk fixing holes
- Stainless steel spring
- Not load tested
- wgt. 0.51kg



## Recessed Foot Step

Aluminium

### ABUS1029/AL

- Face: W163 x D140mm
- Cut-out: W122 x H100 x D80mm
- Robust grip tread
- 4 x ø6mm Countersunk fixing holes
- Cast aluminium / polished face
- Not load tested
- wgt. 0.53kg



## Recessed Foot Step

Black Nylon

### ABUS1029/PL

- Face: W163 x D140mm
- Cut-out: W122 x H100 x D80mm
- Corrosion resistant
- Neoprene seal
- Robust grip tread
- 4 x ø6mm Countersunk fixing holes
- Not load tested
- wgt. 0.36kg



## Adhesive Strip – Rubber Resin

'Very Sticky', Non-Cured Adhesive Transfer Tape



### Product Benefits

- Clean, easy to use alternative to brush on adhesives
- Very aggressive pressure sensitive adhesive
- Non-hardening and permanently flexible
- Poly coated release liner
- Excellent bond strength
- No curing time required
- Solvent free
- Forms a strong waterproof bond
- Well established product with long term proven success
- Versatile 'instant-stick' on a roll

### Applications

- Joining of plastic sheeting
- Bonding lightweight insulation panels, kickplates etc.
- Mounting lightweight trim
- As a temporary 'third-hand' fix
- Bonding of insulation to walls
- Fixing of edging, sheeting, signs & tiles
- Fixing roof sticks on commercial vehicles
- Fixing of carpets, decorative edging, board & trims
- Product data sheet available upon request

### Recommendations

- It is recommended that this product is applied at temperatures over 10°C.
- To aid the cutting of 0485, it is advisable to dip blades or scissors into water immediately prior to use.
- Should not be used where good chemical or UV resistance is required

| Part No.        | Width x Depth (mm) | Roll Length (metres) | Colour | Weight per Roll (kg) |
|-----------------|--------------------|----------------------|--------|----------------------|
| SEAL0485/112    | 12 x 1.0           | 20                   | Amber  | 0.32                 |
| SEAL0485/1904   | 19 x 0.4           | 30                   | Amber  | 0.36                 |
| SEAL0485/119    | 19 x 1.0           | 20                   | Amber  | 0.46                 |
| SEAL0485/119/50 | 19 x 1.0           | 50                   | Amber  | 1.16                 |
| SEAL0485/219    | 19 x 2.0           | 10                   | Amber  | 0.43                 |
| SEAL0485/2504   | 25 x 0.4           | 30                   | Amber  | 0.50                 |
| SEAL0485/125    | 25 x 1.0           | 20                   | Amber  | 0.57                 |
| SEAL0485/225    | 25 x 2.0           | 10                   | Amber  | 0.53                 |

## Double Sided Tape – PVC Foam

General Purpose Double-Sided Foam Bonding Tape



### Product Benefits

- Maximum recommended weight loading of 7g/cm<sup>2</sup>
- Service temperature: -40°C to +70°C
- Application temperature: +10°C to +40°C
- Shelf life of 1 year
- Minimum 20% compression required to effect a water seal
- Coated on both sides with a high quality pressure sensitive acrylic application
- Good resistance to dilute acids & alkalis
- Poly coated release liner
- Very good ultra-violet (UV) light resistance
- Resistance to abrasion, corrosion and moisture
- Suitable for indoor and outdoor environments
- Clean to use

### Applications

- For general mounting/bonding
- For glazing applications
- Forms a compression water seal
- For preventing electrolytic corrosion
- Product data sheet available upon request

### Recommendations

- Surfaces must be clean, dry, free from grease and dirt. Manufacturer's safety instructions should be followed and customers are recommended to ensure compatibility of the solvent with their substrate. Ideal bonding substrates are those which are clean, dry, flat, smooth, dust free & non-porous

| Part No.      | Width x Depth (mm) | Roll Length (metres) | Colour | Weight per Roll (kg) |
|---------------|--------------------|----------------------|--------|----------------------|
| SEAL5164/1908 | 19 x 0.8           | 60                   | White  | 0.49                 |
| SEAL5164/1915 | 19 x 1.5           | 40                   | White  | 0.48                 |
| SEAL5164/2530 | 25 x 3.0           | 25                   | White  | 0.63                 |
| SEAL5164/2508 | 25 x 0.8           | 60                   | White  | 0.62                 |
| SEAL5164/2515 | 25 x 1.5           | 40                   | White  | 0.67                 |
| SEAL5164/3808 | 38 x 0.8           | 60                   | White  | 1.00                 |

## Double Sided Tape – Polyethylene Foam

General Purpose Double-Sided Foam Bonding Tape

### Product Benefits

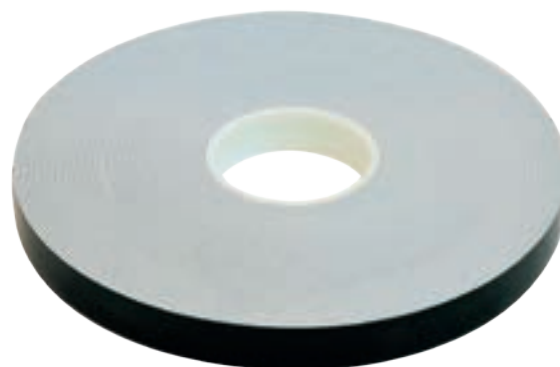
- Coated on both sides with pressure sensitive acrylic adhesive
- Suitable for indoor and outdoor environments
- Green filmic release liner
- Application temperature: -30°C to +80°C
- No known hazards associated with this product
- Clean to use

### Applications

- Panel bonding
- Sealing applications
- Cushioning
- Various uses in the automotive, building & construction industries
- For general mounting and bonding
- Product data sheet available upon request

### Recommendations

- Surfaces must be clean, dry, free from grease and dirt. Manufacturer’s safety instructions should be followed and customers are recommended to ensure compatibility of the solvent with their substrate. Ideal bonding substrates are those which are clean, dry, flat, smooth, dust free & non-porous



| Part No.        | Width x Depth (mm) | Roll Length (metres) | Colour | Weight per Roll (kg) |
|-----------------|--------------------|----------------------|--------|----------------------|
| SEAL6002/1920DS | 19 x 2.0           | 25                   | White  | 0.17                 |
| SEAL6002/2520DS | 25 x 2.0           | 25                   | White  | 0.22                 |

## Single Sided Tape – PVC Foam

General Purpose Foam Compression Sealant

### Product Benefits

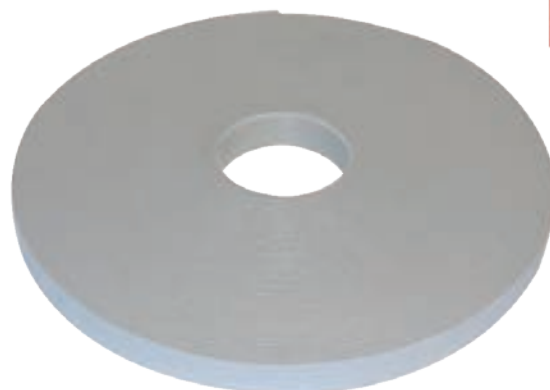
- Minimum 30% compression required to effect a water seal
- Application temperature: +10°C to +40°C
- Shelf life of 1 year
- Coated on one side with a high quality pressure sensitive acrylic adhesive
- Good resistance to dilute acids & alkalis
- Poly coated release liner
- Very good UV resistance
- Resistance to abrasion, corrosion and moisture
- Suitable for indoor and outdoor environments
- Pre-determined dimensional sealant reduces waste
- Clean to use

### Applications

- Forms a compression air/dust/water seal
- For preventing electrolytic corrosion
- For heavy duty cushioning
- For high load bearing applications
- For gap filling
- For anti-slip mounting
- Product data sheet available upon request

### Recommendations

- Surfaces must be clean, dry, free from grease and dirt. Manufacturer’s safety instructions should be followed and customers are recommended to ensure compatibility of the solvent with their substrate. Ideal bonding substrates are those which are clean, dry, flat, smooth, dust free & non-porous



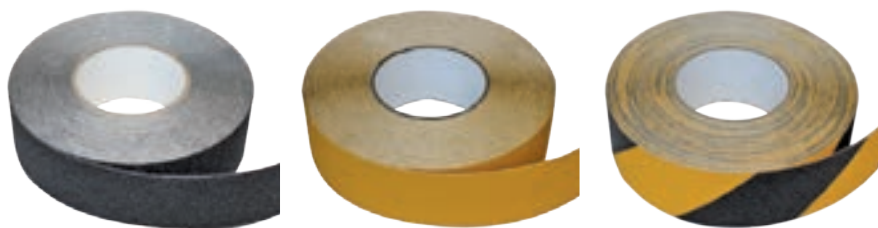
| Part No.      | Width x Depth (mm) | Roll Length (metres) | Colour | Weight per Roll (kg) |
|---------------|--------------------|----------------------|--------|----------------------|
| SEAL3507/1915 | 19 x 1.5           | 50                   | Grey   | 0.45                 |
| SEAL3507/1903 | 19 x 3.0           | 25                   | Grey   | 0.45                 |
| SEAL3507/2515 | 25 x 1.5           | 50                   | Grey   | 0.63                 |
| SEAL3507/2503 | 25 x 3.0           | 25                   | Grey   | 0.52                 |

## Anti-Slip Grip-Tape

Coarse & Extra Coarse

Grip-Tape can be applied onto almost any surface and instantly provides an anti-slip surface, that's ready to walk on

| Part No.         | Grade        | Width (mm) | Colour       | Roll Length (metres) | Weight per Roll (kg) |
|------------------|--------------|------------|--------------|----------------------|----------------------|
| SEAL3402/25C     | Coarse       | 25         | Black        | 18.3                 | 0.38                 |
| SEAL3402/50C     | Coarse       | 50         | Black        | 18.3                 | 0.76                 |
| SEAL3402/100C    | Coarse       | 100        | Black        | 18.3                 | 1.52                 |
| SEAL3402/150C    | Coarse       | 150        | Black        | 18.3                 | 2.28                 |
| SEAL3402/25XC    | Extra Coarse | 25         | Black        | 18.3                 | 0.60                 |
| SEAL3402/50XC    | Extra Coarse | 50         | Black        | 18.3                 | 1.20                 |
| SEAL3402/100XC   | Extra Coarse | 100        | Black        | 18.3                 | 2.40                 |
| SEAL3402/150XC   | Extra Coarse | 150        | Black        | 18.3                 | 3.60                 |
| SEAL3402/50C/YEL | Coarse       | 50         | Yellow       | 18.3                 | 0.76                 |
| SEAL3402/25C/BY  | Coarse       | 25         | Black/Yellow | 18.3                 | 0.38                 |
| SEAL3402/50C/BY  | Coarse       | 50         | Black/Yellow | 18.3                 | 0.76                 |



COARSE  
standard industry grade



EXTRA COARSE  
deep grit, prevents  
clogging by dirt or dust

- Excellent performance characteristics
- Superior adhesion
- Easy application
- Can be supplied in rolls from 19 to 1168mm wide
- Can be supplied in pre-cut 'shaped' sheets

### Grip-Tape Primer

#### SEAL3506/1000SP

- 1000ml Tin
- Covers approx. 5m<sup>2</sup>
- Surface primer is recommended for sealing porous surfaces, such as wood, concrete or stone prior to application
- Prevents moisture degrading the adhesive and helps to create an extra bond on other surfaces



### Grip-Tape Edge Fix

#### SEAL3502/140EF

- 140ml Tube
- Covers approx. 35 linear metres
- Prevents the lifting of grip-tape in high traffic areas
- Helps to secure the grip-tape and extends its life



## Paper Masking Tape

General Purpose +80°C Masking Applications.

0.11mm Semi crepe paper tape coated with a solvent rubber adhesive system.

For Interior Use only

### Product Benefits

- Automotive after market masking tape with short term oven baking resistance
- Recommended for all general purpose: +80°C masking applications
- Premium masking tape for building and painters masking applications for indoor use

### Applications

- Clean and easy removal/non-staining
- Smooth and controlled unwind
- Flexible and conformable
- Excellent paint flake resistance
- Good peel adhesion
- Good shear and holding strength
- Resistant to chemicals, lacquers and solvents
- Resistant to oven baking
- Continuous temperature resistance: +80°C

### Recommendations

- Surfaces must be clean, dry and free of dust, grease, oil or other contaminants



| Part No.    | Width (mm) | Roll Length (metres) | Colour  | Weight per Roll (kg) |
|-------------|------------|----------------------|---------|----------------------|
| SEAL9080/25 | 25         | 50                   | Natural | 0.13                 |
| SEAL9080/50 | 50         | 50                   | Natural | 0.26                 |

## Duct Cloth Tape

Waterproof, Multi-Purpose Cloth Tape

For Interior and Exterior Use

### SEAL5050/BLK

- 50mm x 50mtr
- Heavy duty
- Black
- Water resistant
- Strong bond - excellent adhesion
- Used for sealing and binding
- Withstands temperatures: -5°C to +60°C
- Easy to tear by hand, with high adhesion and tensile strength
- wgt. 0.37kg

### Recommendations

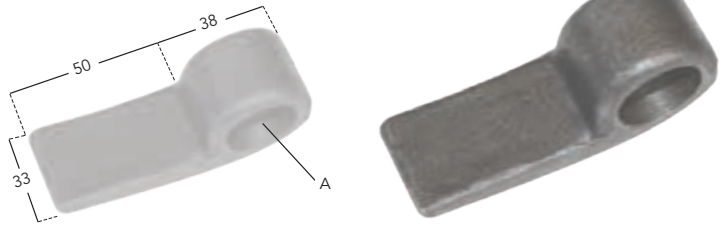
- Surfaces must be clean, dry and free of dust, grease, oil or other contaminants



## Tailboard Locking Bar Tab (Off-Set) – Weld-on

Self Colour

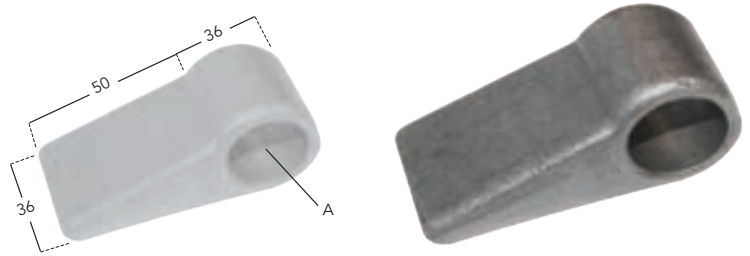
| Part No.   | A<br>(mm)                           | Weight<br>(kg) |
|------------|-------------------------------------|----------------|
| ATIP113/20 | Drilled for $\varnothing 20$ mm bar | 0.39           |
| ATIP113/25 | Drilled for $\varnothing 25$ mm bar | 0.37           |



## Tailboard Locking Bar Tab (Straight) – Weld-on

Self Colour

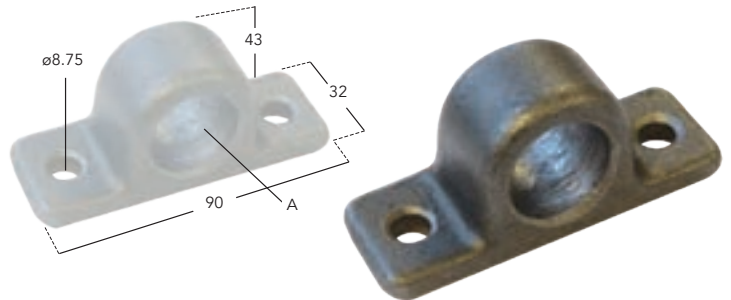
| Part No.   | A<br>(mm)                           | Weight<br>(kg) |
|------------|-------------------------------------|----------------|
| ATIP292/20 | Drilled for $\varnothing 20$ mm bar | 0.38           |
| ATIP292/25 | Drilled for $\varnothing 25$ mm bar | 0.35           |



## Tailboard Locking Bar Bracket – Bolt-on

Self Colour & Zinc Plated

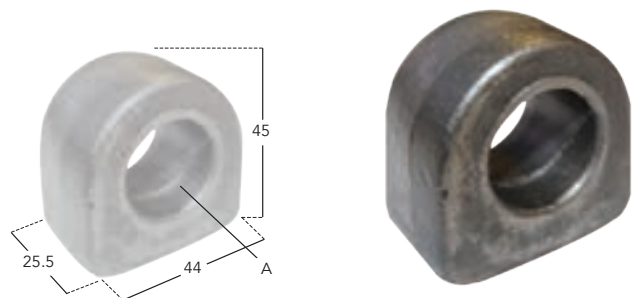
| Part No.     | A<br>(mm)                           | Finish      | Weight<br>(kg) |
|--------------|-------------------------------------|-------------|----------------|
| ATIP190/20   | Drilled for $\varnothing 20$ mm bar | Self colour | 0.36           |
| ATIP190/25   | Drilled for $\varnothing 25$ mm bar | Self colour | 0.31           |
| ATIP190/25ZP | Drilled for $\varnothing 25$ mm bar | Zinc plated | 0.31           |



## Tailboard Locking Bar Bracket – Weld-on

Self Colour

| Part No.   | A<br>(mm)                           | Weight<br>(kg) |
|------------|-------------------------------------|----------------|
| AEYE320/20 | Drilled for $\varnothing 20$ mm bar | 0.27           |
| AEYE320/25 | Drilled for $\varnothing 25$ mm bar | 0.22           |



## Tailboard Locking Bar Hook – Weld-on

Self Colour

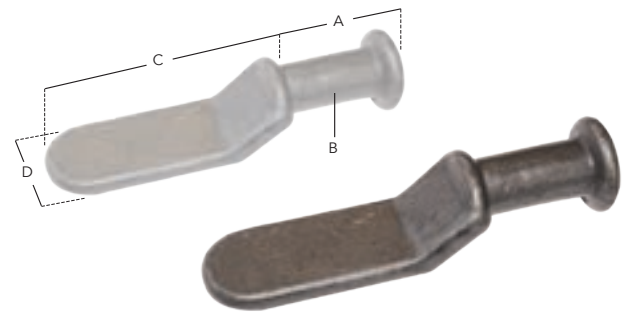
| Part No.   | A<br>(mm)                           | Weight<br>(kg) |
|------------|-------------------------------------|----------------|
| ATIP188/20 | Drilled for $\varnothing 20$ mm bar | 0.28           |
| ATIP188/25 | Drilled for $\varnothing 25$ mm bar | 0.22           |



### Tailboard Lug – Weld-on

Self Colour

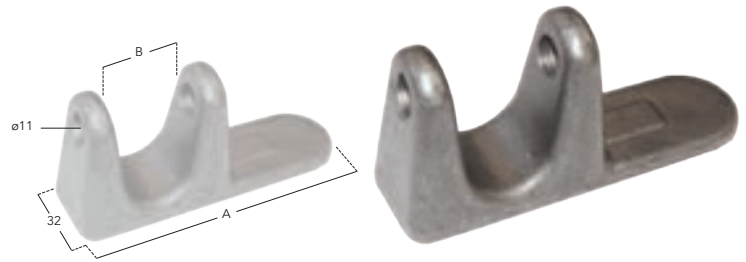
| Part No.   | Suits (mm)   | A (mm) | B (mm) | C (mm) | D (mm) | Weight (kg) |
|------------|--------------|--------|--------|--------|--------|-------------|
| ATIP308/20 | ø20mm Forket | 45     | ø20    | 93     | 31     | 0.36        |
| ATIP308/25 | ø25mm Forket | 55     | ø25    | 90     | 38     | 0.55        |



### Tailboard Forket – Weld-on

Self Colour

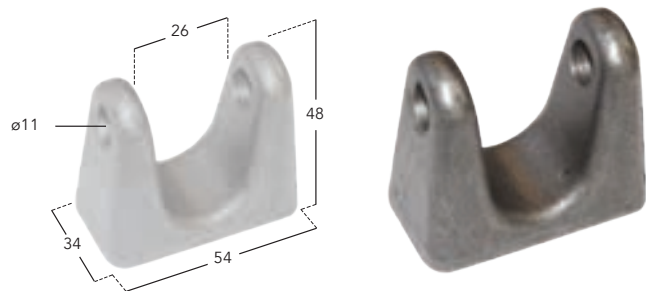
| Part No.   | Suits (mm)         | A (mm) | B (mm) | Weight (kg) |
|------------|--------------------|--------|--------|-------------|
| ATIP309/20 | Jaws for ø20mm bar | 90     | 27     | 0.32        |
| ATIP309/25 | Jaws for ø25mm bar | 110    | 33     | 0.38        |



### Tailboard Forket – Weld-on

Self Colour

| Part No. | Suits (mm)         | Weight (kg) |
|----------|--------------------|-------------|
| ATIP331  | Jaws for ø20mm bar | 0.31        |



### Tailboard Slotted Lug – Weld-on

Self Colour

AMSC54/08

- Slot: 18 x 5mm
- Drop forged steel
- Slotted to accept ACOT10A/ZP & ACOT13/ZP cotter pins – see page 49
- wgt. 0.05kg

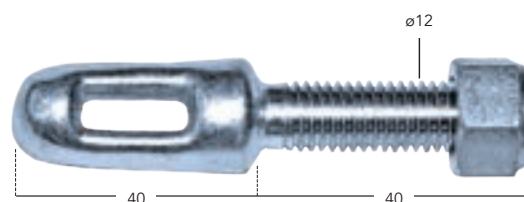


### Tailboard Slotted Lug – Bolt-on

Zinc Plated

AMSC66/40

- Slot: 18 x 5mm
- Supplied complete with nyloc nut
- Slotted to accept ACOT10A/ZP & ACOT13/ZP cotter pins – see page 49
- wgt. 0.09kg

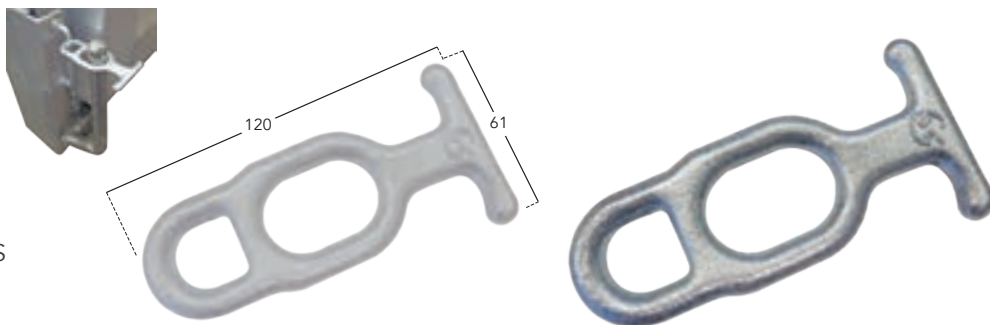


## Tipper Handle Catch

Zinc Plated

ATIP207/HZP

- Designed to be used with  $\varnothing 25\text{mm}$  bar
- Suitable for use with ATIP208/S staple & nuts
- wgt. 0.18kg



## Fastener for Locking Bar Handle

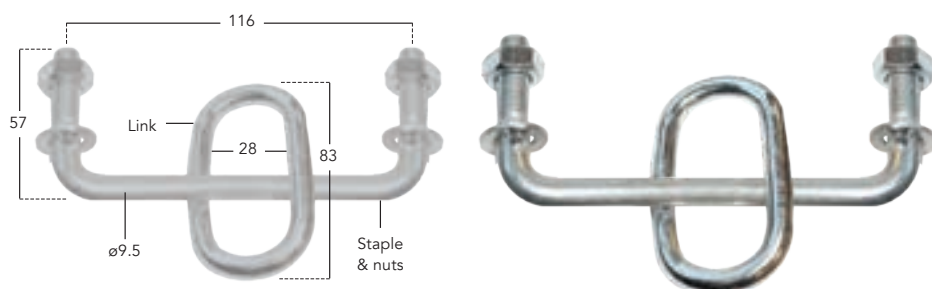
Zinc Plated

ATIP208/S

- Staple & nuts
- wgt. 0.14kg

ATIP38

- Link only
- wgt. 0.08kg



## Tailboard Handle Retaining Catch & Pin

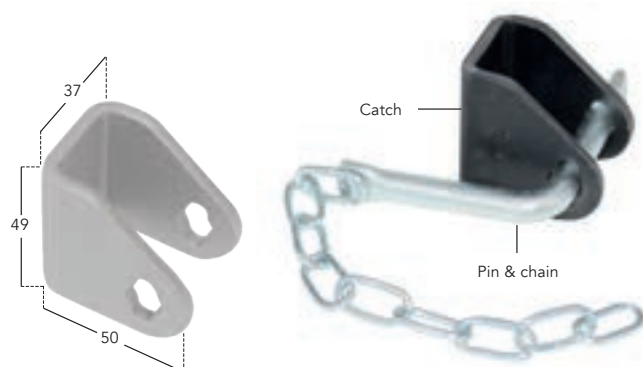
Self Colour / Zinc Plated

ATIP254/C

- Catch only
- Suits  $\varnothing 25\text{mm}$  handle
- Self colour
- wgt. 0.17kg

ATIP254/P

- Pin & chain
- Zinc plated
- wgt. 0.11kg

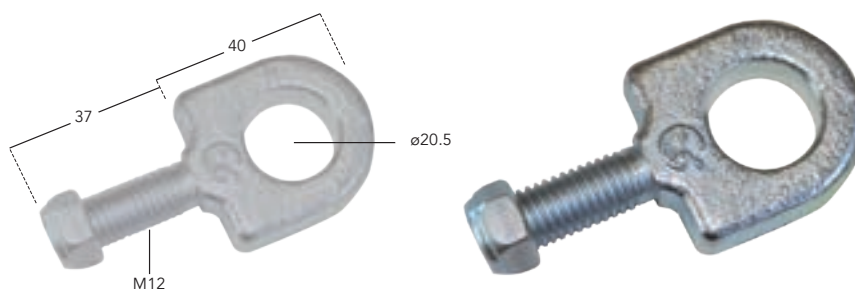


## Eyebolt

Zinc Plated

AEYE314

- Drilled for  $\varnothing 20\text{mm}$  bar
- Shank: M12
- Complete with nyloc nut
- wgt. 0.12kg

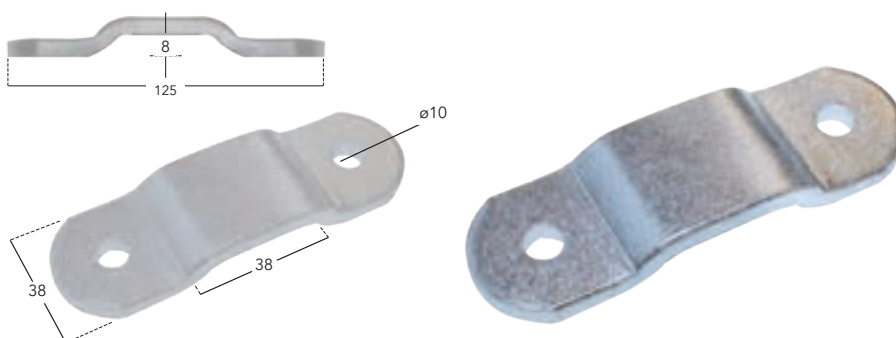


## Staple

Zinc Plated

AMSC50/08

- Drop forged steel
- wgt. 0.27kg



## Toolboxes – Plastic

JBZ Range



JBZ Boxes are manufactured by Jonesco, a UK based company with over 50 years of manufacturing experience. This rotation moulded, medium-density polyethylene range is suitable for light to heavy duty use and are supplied with up to 2 locking handles, subject to width. Available in 13 sizes, consisting of 11 length / width choices, with the 620 & 800mm units also available in reduced depths, great where under-chassis space is an issue.

All CABJBZ plastic toolboxes are suitable to be incorporated into a vehicles side-guard system in accordance with UNECE Regulation 73. The required tests were carried out and certified under the supervision of UTAC.

- CABJBZ450, 520, 580, 600, 620A & 800A have integral fixing for fitment directly to the floor of the vehicle, see page 314 for dimensions
- CABJBZ620, 650, 700, 800, 900, 1000 & 1200 are better fitted using our support bracketry which ensures heavy loads do not cause damage to the box, see page 314 for fitting kits
- Lid sits in a recess to minimize the potential for water ingress
- Fully sealed enclosure
- Lockable with 1 or 2 key operated locks as standard
- Handles flip down into a safety recess preventing them from rotating open
- Lid opens 180°
- Door / lid gas springs available upon request to aid operation, please contact us for more information
- No protruding parts • Fully sealed • Handle with integrated dust cover
- Fully recyclable, chemical resistant, UV stabilised PE
- May be incorporated in the sideguard in accordance with Regulation 73
- Other colours available to special order (subject to minimum order quantity)

Monogramming service is available



Full colour logo printing available



| Part No.   | Length (mm) | Height (mm) | Depth (mm) | Fixings        | No. of Handles | Litre Capacity (maximum) | Recommended Load Weight* (maximum) | Weight (kg) |
|------------|-------------|-------------|------------|----------------|----------------|--------------------------|------------------------------------|-------------|
| CABJBZ450  | 450         | 340         | 400        | Integral       | 1              | 41                       | 50                                 | 4.50        |
| CABJBZ520  | 520         | 320         | 360        | Integral       | 1              | 42                       | 50                                 | 5.50        |
| CABJBZ580  | 580         | 360         | 450        | Integral       | 1              | 64                       | 50                                 | 5.50        |
| CABJBZ600  | 600         | 450         | 480        | Integral       | 1              | 98                       | 58                                 | 6.50        |
| CABJBZ620  | 620         | 320         | 610        | CABJBZ/TBK620  | 1              | 88                       | 75                                 | 7.00        |
| CABJBZ620A | 620         | 320         | 400        | Integral       | 1              | 53                       | 50                                 | 5.00        |
| CABJBZ650  | 650         | 460         | 480        | CABJBZ/TBK650  | 1              | 106                      | 75                                 | 7.50        |
| CABJBZ700  | 700         | 480         | 490        | CABJBZ/TBK700  | 2              | 132                      | 75                                 | 8.00        |
| CABJBZ800  | 800         | 460         | 480        | CABJBZ/TBK800  | 2              | 136                      | 75                                 | 9.00        |
| CABJBZ800A | 800         | 460         | 360        | Integral       | 2              | 90                       | 75                                 | 8.50        |
| CABJBZ900  | 900         | 480         | 490        | CABJBZ/TBK900  | 2              | 172                      | 75                                 | 11.00       |
| CABJBZ1000 | 1000        | 460         | 480        | CABJBZ/TBK1000 | 2              | 167                      | 75                                 | 12.50       |
| CABJBZ1200 | 1190        | 460         | 480        | CABJBZ/TBK1200 | 2              | 201                      | 75                                 | 14.00       |

\*The recommended weight that each toolbox can carry is determined by many factors: bracketry support, use of a shelf base, uniformly distributed weight or spot weight etc. Additional load may be carried if a support base shelf is added and the bracketry is reinforced accordingly.

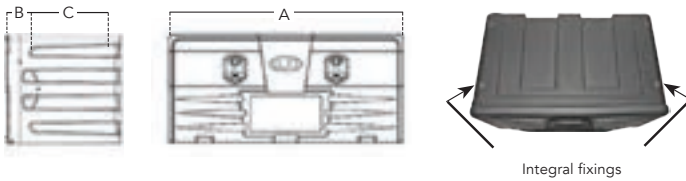
## Toolboxes – Plastic

JBZ Range



### Integral Fixing Dimensions

| Part No.   | A (mm) | B (mm) | C (mm) |
|------------|--------|--------|--------|
| CABJBZ450  | 400    | 120    | 230    |
| CABJBZ520  | 470    | 120    | 190    |
| CABJBZ580  | 530    | 120    | 265    |
| CABJBZ600  | 570    | 120    | 230    |
| CABJBZ620A | 560    | 120    | 225    |
| CABJBZ800A | 740    | 120    | 205    |



Integral fixings



## Replacement Handle & Lock Set

JBZ Series

### CABJBZ/HANDLE

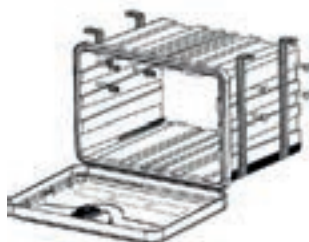
- Suits all Jonesco JBZ plastic toolboxes
- Supplied with 2 keys



## Toolbox Fitting Kits

Suits all Jonesco JBZ plastic toolboxes

- Quick and easy to install
- Black painted for corrosion resistance
- All fitting kits are supplied with: W25 x T5mm steel brackets, nut & bolt attachment kit



| Fitting Kit    | Toolbox Part No. | Weight (kg) |
|----------------|------------------|-------------|
| CABJBZ/TBK620  | CABJBZ620        | 4.05        |
| CABJBZ/TBK650  | CABJBZ650        | 4.75        |
| CABJBZ/TBK700  | CABJBZ700        | 5.00        |
| CABJBZ/TBK800  | CABJBZ800        | 5.75        |
| CABJBZ/TBK900  | CABJBZ900        | 5.85        |
| CABJBZ/TBK1000 | CABJBZ1000       | 6.25        |
| CABJBZ/TBK1200 | CABJBZ1200       | 6.75        |



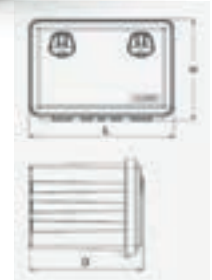
## Toolboxes – Plastic

JUST Range

JUST Boxes are manufactured by Daken, Italy. They are ideally suited for light to medium duty use, manufactured from 3mm injection moulded polypropylene and are supplied with up to 2 locking handles, subject to width. This cost effective range is available in 8 sizes, consisting of 5 length / width choices, with the 500, 750 & 900mm units also available in reduced depths, great where under-chassis space is an issue.

All JUST plastic toolboxes are suitable to be incorporated into a vehicles side-guard system in accordance with UNECE Regulation 73. The required tests were carried out and certified under the supervision of TUV Rheinland.

- All JUST toolboxes are supplied with locking 'T' handles, complete with key cover
- Compression locking system with EPDM seal
- Fully sealed enclosure
- Ribbed internal surface for extra stability, ribs can be used as shelf / tray supports
- Supplied with up to 2 locking handles, subject to width
- Optional fitting kits (see below)



| Part No.           | Length (mm) | Height (mm) | Depth (mm) | Fitting Kit                  | No. of Handles | Litre Capacity (maximum) | Recommended Load Weight* (maximum) | Weight (kg) |
|--------------------|-------------|-------------|------------|------------------------------|----------------|--------------------------|------------------------------------|-------------|
| CABJST81100/R500BP | 500         | 350         | 300        | CABV88402/GV & CABV88460/BLK | 1              | 31                       | 30kg                               | 3.00        |
| CABJST81102/500BP  | 500         | 350         | 400        | CABV88402/GV & CABV88460/BLK | 1              | 42                       | 35kg                               | 3.30        |
| CABJST81104/600BP  | 600         | 415         | 460        | CABV88402/GV & CABV88470/BLK | 2              | 74                       | 45kg                               | 5.20        |
| CABJST81105/R750BP | 750         | 350         | 300        | CABV88402/GV & CABV88460/BLK | 2              | 48                       | 45kg                               | 4.40        |
| CABJST81106/750BP  | 750         | 350         | 450        | CABV88402/GV & CABV88470/BLK | 2              | 75                       | 45kg                               | 5.20        |
| CABJST81108/800BP  | 826         | 500         | 470        | CABV88402/GV & CABV88470/BLK | 2              | 127                      | 50kg                               | 7.80        |
| CABJST81109/R900BP | 900         | 367         | 300        | CABV88402/GV & CABV88460/BLK | 2              | 58                       | 50kg                               | 5.40        |
| CABJST81110/900BP  | 900         | 367         | 450        | CABV88402/GV & CABV88470/BLK | 2              | 90                       | 50kg                               | 6.60        |

\*The recommended weight that each toolbox can carry is determined by many factors: bracketry support, use of a shelf base, uniformly distributed weight or spot weight etc. Additional load may be carried if a support base shelf is added and the bracketry is reinforced accordingly.

### Vertical Fitting Kits (Recommended)

#### CABV88402/GV

- Suits all JUST and WELVET Toolboxes
- L255 x W30 x T6.0mm
- Hot galvanized coated steel
- Kit consists of: 4 x brackets & all fixings (Geomet coated)
- Maximum load: 200kg • wgt. 1.17kg



### Horizontal Fitting Kits (Recommended)

Suitable for fitment to plastic, steel and stainless steel toolboxes

#### CABV88460/BLK

- Suits all JUST and WELVET Toolboxes up to 400mm deep
- L335 x W132 x T2.0mm
- Maximum load: 150kg
- wgt. 2.30kg

#### CABV88470/BLK

- Suits all JUST and WELVET Toolboxes over 400mm deep
- L420 x W132 x T2.4mm
- Maximum load: 150kg
- wgt. 3.30kg



- Kit consists of: 2 x epoxy powder coated brackets & geomet coated fitting kit

## Toolboxes – Plastic

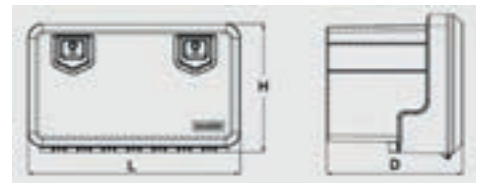
ARKA and WELVET Range

ARKA and WELVET Boxes are manufactured by Daken, Italy. They are ideally suited for medium to heavy duty use, manufactured from 4mm injection moulded polypropylene and are supplied with up to 3 locking handles, subject to width. This range is available in 6 length/width choices, 410, 500, 600, 800, 1000 & 1250mm.

All ARKA and WELVET plastic toolboxes are suitable to be incorporated into a vehicles side-guard system in accordance with UNECE Regulation 73. The required tests were carried out and certified under the supervision of TUV Rheinland.

- All toolboxes supplied with patented Nylon Europlex, locking 'T' handles, complete with key cover
- Compression locking system with EPDM seal
- Fully sealed enclosure
- Reinforced Injection moulded polypropylene body, guarantees maximum loading, avoiding conventional 'U' bracket mounting
- Extremely robust and secure
- Door / lid gas springs available upon request to aid operation, please contact us for more information
- Smooth internal surface
- Supplied with up to 3 locking handles, subject to width

^ ARKA Series – Extra heavy duty includes lid grid and structural ribs  
(See CABV81009/1250BP)



| Part No.          | Length (mm) | Height (mm) | Depth (mm) | Fitting Kit (see page 315)   | No. of Handles | Litre Capacity (maximum) | Recommended Load Weight* (maximum) | Weight (kg) |
|-------------------|-------------|-------------|------------|------------------------------|----------------|--------------------------|------------------------------------|-------------|
| CABV81000/410BP   | 410         | 330         | 340        | CABV88402/GV & CABV88460/BLK | 1              | 29.0                     | 40kg                               | 4.0         |
| CABV81002/500BP   | 500         | 350         | 400        | CABV88402/GV & CABV88460/BLK | 1              | 39.0                     | 50kg                               | 6.0         |
| CABV81004/600BP   | 600         | 400         | 500        | CABV88402/GV & CABV88470/BLK | 2              | 77.5                     | 60kg                               | 9.0         |
| CABV81006/800BP   | 800         | 500         | 500        | CABV88402/GV & CABV88470/BLK | 2              | 119.0                    | 65kg                               | 12.0        |
| CABV81008/1000BP  | 1000        | 500         | 500        | CABV88402/GV & CABV88470/BLK | 3              | 154.0                    | 70kg                               | 14.0        |
| ^CABV81009/1250BP | 1250        | 520         | 500        | CABV88402/GV & CABV88470/BLK | 3              | 190.0                    | 75kg                               | 15.5        |

\*The recommended weight that each toolbox can carry is determined by many factors: bracketry support, use of a shelf base, uniformly distributed weight or spot weight etc. Additional load may be carried if a support base shelf is added and the bracketry is reinforced accordingly.

## Replacement Handle JUST Series

### CABJST89040/BP

- Suits all JUST plastic toolboxes
- Supplied with 2 keys
- wgt. 0.28kg



## Replacement Handle – WELVET Series

### CABV89000/BP

- Suits 81000

### CABV89010/BP

- Suits 81002 – 81008
- Suits all WELVET Series toolboxes
- Supplied with 2 keys
- wgt. 0.28kg



CABV89000/BP



CABV89010/BP



## Toolboxes – Black Powder Coated Steel

ZEN30 Range

ZEN30 Toolboxes are manufactured by Daken, Italy. They are ideally suited for heavy duty use, manufactured from 1.5mm black powder coated steel and are supplied with up to 2 locking handles, subject to width. This range is available in 7 length/width choices.

All ZEN toolboxes are suitable to be incorporated into a vehicles side-guard system in accordance with UNECE Regulation 73. The required tests were carried out and certified under the supervision of TUV SUD.

- 1.5mm Black powder coated electro galvanized steel
- Fully sealed enclosure
- Unique folded lid design offering unrivalled strength and rigidity
- Robust design / Robotically formed and TIG / lazer welded
- Black plastic Next locking handles
- Supplied with up to 2 locking handles, subject to width
- Door / lid gas springs available upon request to aid operation, please contact us for more information
- Interlocking nylon hinges
- Fitting kits available to suit, see below (recommended in all applications)



| Part No.            | Length (mm) | Height (mm) | Depth (mm) | Fitting Kit   | No. of Handles | Litre Capacity (maximum) | Weight (kg) |
|---------------------|-------------|-------------|------------|---------------|----------------|--------------------------|-------------|
| CABZEN8Z3000/400BS  | 400         | 300         | 300        | CABV88460/BLK | 1              | 32                       | 8.90        |
| CABZEN8Z3010/500BS  | 500         | 350         | 400        | CABV88460/BLK | 1              | 63                       | 14.60       |
| CABZEN8Z3020/600BS  | 600         | 400         | 500        | CABV88470/BLK | 1              | 108                      | 22.30       |
| CABZEN8Z3040/800BS  | 800         | 500         | 500        | CABV88470/BLK | 2              | 180                      | 28.10       |
| CABZEN8Z3060/1000BS | 1000        | 500         | 500        | CABV88470/BLK | 2              | 225                      | 33.40       |
| CABZEN8Z3080/1200BS | 1200        | 500         | 500        | CABV88470/BLK | 2              | 270                      | 38.60       |
| CABZEN8Z3090/1450BS | 1450        | 500         | 500        | CABV88470/BLK | 2              | 326                      | 45.10       |

### Horizontal Fitting Kits (Recommended)

Suitable for fitment to plastic, steel and stainless steel toolboxes

#### CABV88460/BLK

- L335 x W132 x T2.0mm
- Suits toolboxes up to 400mm deep • wgt. 2.30kg

#### CABV88470/BLK

- L420 x W132 x T2.4mm
- Suits toolboxes over 400mm deep • wgt. 4.00kg
- Kit consists of: 2 x epoxy powder coated brackets & geomet coated fitting kit
- Maximum load: 150kg
- See table above for compatible toolboxes



### Replacement Handle – ZEN30 Series

#### CABZEN89111/BP

- Suits all CABZEN 30 plastic toolboxes
- Supplied with 2 keys
- wgt. 0.28kg





## Toolboxes – Stainless Steel

### ZEN22 Range

ZEN22 Toolboxes are manufactured by Daken, Italy. They are ideally suited for heavy duty use, manufactured from 1.5mm 304G stainless steel and are supplied with up to 2 locking handles, subject to width. This range is available in 7 length/width choices.

All ZEN toolboxes are suitable to be incorporated into a vehicles side-guard system in accordance with UNECE Regulation 73. The required tests were carried out and certified under the supervision of TUV SUD.

- 1.5mm 304G Stainless steel – matt finish
- Fully sealed enclosure
- Unique folded lid design offering unrivalled strength and rigidity
- Robust design / Robotically formed and TIG / lazer welded
- 304G Stainless steel NexT locking handles
- Supplied with up to 2 locking handles, subject to width
- Door / lid gas springs available upon request to aid operation, please contact us for more information
- Interlocking nylon hinges
- Fitting kits available to suit, see below (recommended in all applications)



| Part No.            | Length (mm) | Height (mm) | Depth (mm) | Fitting Kit   | No. of Handles | Litre Capacity (maximum) | Weight (kg) |
|---------------------|-------------|-------------|------------|---------------|----------------|--------------------------|-------------|
| CABZEN8Z2200/400SS  | 400         | 300         | 300        | CABV88460/BLK | 1              | 32                       | 8.90        |
| CABZEN8Z2210/500SS  | 500         | 350         | 400        | CABV88460/BLK | 1              | 63                       | 14.60       |
| CABZEN8Z2220/600SS  | 600         | 400         | 500        | CABV88470/BLK | 1              | 108                      | 22.30       |
| CABZEN8Z2240/800SS  | 800         | 500         | 500        | CABV88470/BLK | 2              | 180                      | 28.10       |
| CABZEN8Z2260/1000SS | 1000        | 500         | 500        | CABV88470/BLK | 2              | 225                      | 26.70       |
| CABZEN8Z2280/1200SS | 1200        | 500         | 500        | CABV88470/BLK | 2              | 270                      | 38.60       |
| CABZEN8Z2290/1450SS | 1450        | 500         | 500        | CABV88470/BLK | 2              | 326                      | 45.10       |

## Horizontal Fitting Kits (Recommended)

Suitable for fitment to plastic, steel and stainless steel toolboxes

### CABV88460/BLK

- L335 x W132 x T2.0mm
- Suits toolboxes up to 400mm deep • wgt. 2.30kg

### CABV88470/BLK

- L420 x W132 x T2.4mm
- Suits toolboxes over 400mm deep • wgt. 4.00kg
- Kit consists of: 2 x epoxy powder coated brackets & geomet coated fitting kit
- Maximum load: 150kg
- See table above for compatible toolboxes



## Replacement Handle – ZEN22 Series

### CABZEN89110/SS

- Suits all CABZEN 22 stainless steel toolboxes
- Supplied with 2 keys
- wgt. 0.28kg



## Toolbox Door / Lid Chain Set

Suits all toolboxes

### CABX/CHAIN/22ZP

- 22 Links – 460mm long
- wgt. 0.10kg

### CABX/CHAIN/28ZP

- 28 Links – 590mm long
- wgt. 0.12kg
- Supplied complete with nut, bolt & 3 washers
- Zinc plated
- Easy to fit
- Holds door at 90°
- Suits all toolboxes
- All holes drilled within the box must be sealed to avoid water ingress



## Storage Boxes – Black/Red Plastic

PITBOX Range

### CABV86004005/BLACK Black

### CABV86014000/RED Red

- L655 x H520 x D570mm
- High quality range of weatherproof storage boxes with endless uses: sand/grit, spill kit, home delivery storage safe box (lockable version) etc.
- 108.5 Litre capacity
- Modern robust design
- Suitable for indoor & outdoor use
- Reinforced base / honeycomb structure
- EPDM Internal seal
- Innovative structure to avoid box deformation
- Injection moulded polypropylene
- Snap close lid handles, complete with padlock facility
- Key lock option available upon request
- wgt. 6.30kg



## Compact Storage Box – Black Plastic

JBC40 Range

Compact convenience. Small triangular box with hinged door, used for general storage or the housing of control instruments.

### CABX/JBC40

- L400 x H275 x D330mm
- Bottom hinged
- Supplied with compartment lock and 2 keys
- wgt. 4.00kg

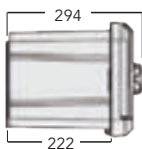


## Storage Boxes – Black Plastic

Blackit Range

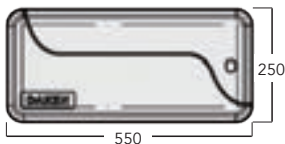
### CABV82201/550BP

- Side hinged
- 1 x Locking handle
- wgt. 2.50kg



### CABV82202/550BP

- Bottom hinged
- 2 x Locking handles
- wgt. 2.60kg
- L550 x H250 x D294mm
- Ergonomic handle(s) complete with cylinder lock and dust cap
- Black polypropylene
- Internal EPDM seal
- Reinforced structure
- 23 Litre capacity



CABV82201/550BP



CABV82202/550BP



## Transportation Document Holder – Black Plastic

Great Solution for External Storage of Transport Documentation

### CAB1005

- L320 x ø125mm
- Screw on cap
- Lid connected to the body by a small length of chain
- Rubber seal to protect from water ingress
- 2 x ø8mm Threaded fixing holes – 180mm hole centres
- Suitable for external fitment • Fully recyclable material
- wgt. 0.54kg



## Transportation Document Holder – Black Plastic

Great Solution for External Storage of Transport Documentation

### CAB603000100/BP

- L337 x ø104mm
- Screw on cap
- Lid connected to the body by a plastic lanyard
- Rubber seal to protect from water ingress
- Multiple fixing points • Suitable for external fitment
- Fully recyclable material
- wgt. 0.36kg



## Transportation Document Holder – Black Plastic

Great Solution for External Storage of Transport Documentation

### CAB603010100/BP

- L318 x H367 x D74mm
- Right hand hinged padlockable lid
- Rubber seal to protect from water ingress
- 3 x ø7mm Fixing points
- Suitable for external fitment
- Fully recyclable material
- wgt. 0.65kg



## Universal Coupling

3500kg – 17.0kN

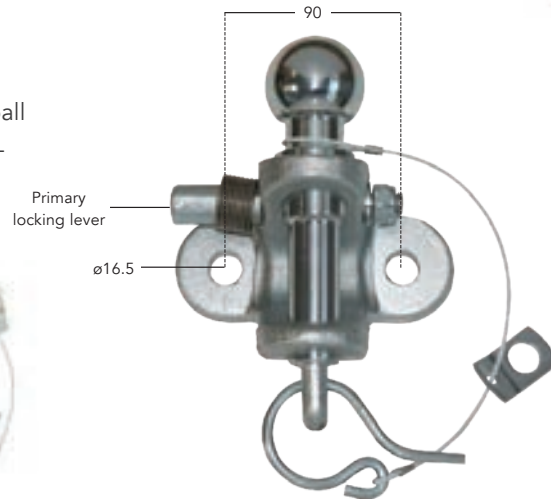
**AL-KO**  
QUALITY FOR LIFE

### FTRLV352L

- Removable ball & pin
- Pin:  $\varnothing 25\text{mm}$
- Ball:  $\varnothing 50\text{mm}$
- Unique primary locking lever and secondary locking pin, ensures safe towing
- Towing capacity: 3500kg
- D-Value: 17.00kN
- Vertical load / S Value: 200kg
- 2 Bolt fixing to Regulation 55 (HT 8.8 bolts or higher must be used)
- Zinc and clear passivated finish
- wgt. 3.03kg

### FTRL185005515

- $\varnothing 25\text{mm}$  Replacement pin, ball & lanyard to suit FTRLV352L
- wgt. 1.15kg



## Universal Coupling

3500kg – 17.2kN

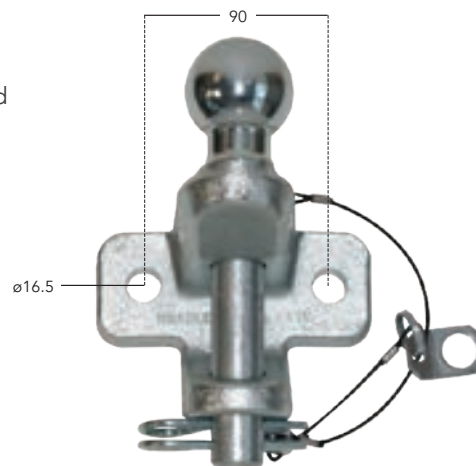
**AL-KO**  
QUALITY FOR LIFE

### FTRL202014

- Fixed ball / removable pin
- Pin:  $\varnothing 25\text{mm}$
- Ball:  $\varnothing 50\text{mm}$
- Towing capacity: 3500kg
- D-Value: 17.20kN
- Vertical load / S Value: 250kg
- Class: A50 X/S
- 2 Bolt fixing to Regulation 55 (HT 8.8 bolts or higher must be used)
- Zinc and clear passivated finish
- 2 x 'R' Clips must be fitted to pin at all times when in use
- wgt. 3.34kg

### FTRLDB68121

- $\varnothing 25\text{mm}$  Replacement pin & lanyard to suit FTRL202014 & FTRL201661
- wgt. 1.09kg



## Universal Coupling

3500kg – 30.95kN

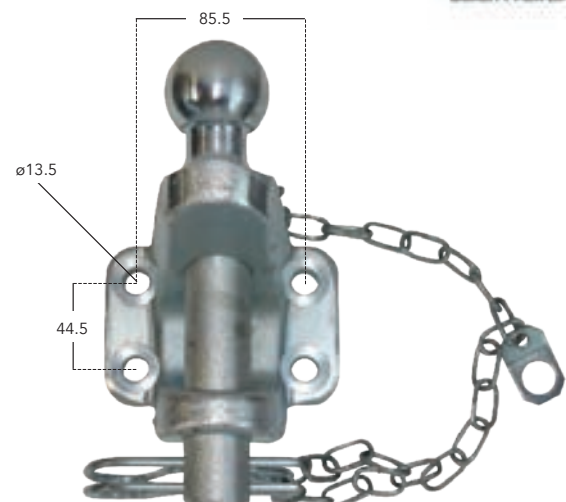
**AL-KO**  
QUALITY FOR LIFE

### FTRL201691

- Fixed ball / removable pin
- Pin:  $\varnothing 32\text{mm}$
- Ball:  $\varnothing 50\text{mm}$
- Towing capacity: 3500kg
- D-Value: 30.95kN
- Vertical load / S Value: 250kg
- Class: A50-X
- 4 Bolt fixing to Regulation BSAU24 (HT 8.8 bolts or higher must be used)
- Zinc and clear passivated finish
- 2 x 'R' Clips must be fitted to pin at all times when in use
- wgt. 5.21kg

### FTRLDB67187

- $\varnothing 32\text{mm}$  Replacement pin, chain & tag to suit FTRL201691
- wgt. 1.12kg



## Towing Jaw

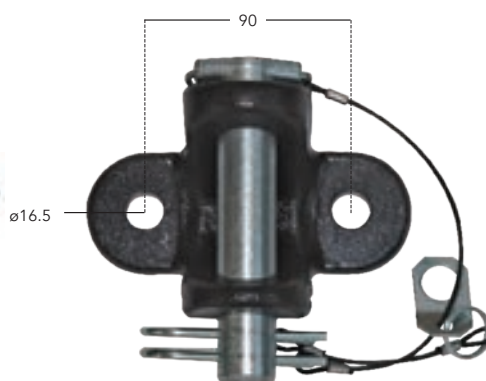
3500kg – 17.5kN

### FTRL201661

- Removable pin
- Pin:  $\varnothing 25\text{mm}$
- Towing capacity: 3500kg
- D-Value: 17.50kN
- Vertical load / S Value: 250kg
- European type approval no. 0676
- 2 Bolt fixing to Regulation 55 and 94/20/EC (HT 8.8 bolts or higher must be used)
- Black painted body, zinc / clear passivated pin
- 2 x 'R' Clips must be fitted to pin at all times when in use
- wgt. 2.13kg

### FTRLDB68121

- $\varnothing 25\text{mm}$  Replacement pin & lanyard to suit FTRL202014 & FTRL201661
- wgt. 1.09kg



## Towing Jaw

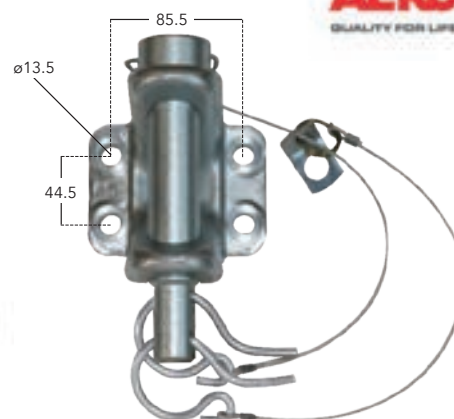
3500kg – 30.95kN

### FTRLV501/L

- Removable pin
- Pin:  $\varnothing 32\text{mm}$
- Towing capacity: 3500kg
- D-Value: 30.95kN
- Vertical load / S Value: 350kg
- 4 Bolt fixing to Regulation 55, British Standards & EC94/20 (HT 8.8 bolts or higher must be used)
- Zinc and clear passivated finish
- 2 x 'R' Clips must be fitted to pin at all times when in use
- wgt. 3.99kg

### FTRL185013615

- $\varnothing 32\text{mm}$  Replacement pin & lanyard to suit FTRLV501/L
- wgt. 1.52kg

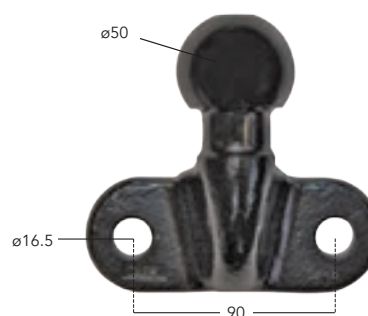


## Tow Ball

3500kg – 17.0kN

### FTRL353

- Meets the requirements as specified in EEC Directive 94/20/EC
- D-Value: 17.00kN • Class: A50-X • Black painted
- 2 x  $\varnothing 16.5\text{mm}$  fixing holes (HT 8.8 bolts or higher must be used)
- wgt. 1.59kg



## Agricultural Trailer Hitch Eyes

Self Colour

### FTRL124/12C

Off-set

- wgt. 5.75kg

### FTRL124/16C

Off-set

- wgt. 8.00kg

### FTRL124/12S

Straight

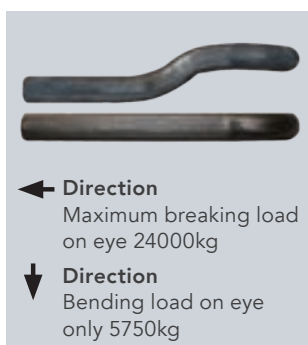
- L305mm
- wgt. 5.75kg

### FTRL124/16S

Straight

- L405mm
- wgt. 8.00kg

- W90 x D30mm •  $\varnothing 50\text{mm}$  Eye
- Forged mild steel
- Agricultural use only



## Adjustable Height Couplings

Suits: FTRL201661, FTRL202014, FTRL353 & FTRLV352L



The height-adjustable holders from AL-KO enable trailers to be hitched at different heights.

Each product has been designed for various hitch heights, from: 100mm to 200mm, in 50mm increments.

The holder is positioned by hand and is secured with a 19mm stainless steel pin and 'R' clips.

No tools are required to adjust the height.

### FTRL202090

- Adjustment: 200mm
- 5 Positions in 50mm increments
- wgt. 7.93kg



### FTRL202091

- Adjustment: 150mm
- 4 Positions in 50mm increments
- wgt. 7.19kg



### FTRL202092

- Adjustment: 100mm
- 3 Positions in 50mm increments
- wgt. 7.43kg



Supplied with  
nuts & bolts

- All steel construction
- 4 Bolt fixing to vehicle
- Simple, safe and secure locking mechanism
- Height adjustable without the need for tools
- ø19mm Stainless steel pin is used to secure slider in place with 'R' clip
- Corrosion resistant – black phosphate surface coating
- Pre-drilled sliding plate with 4 holes for fastening with 2 or 4 bolts, as per directive ECE-R55-01
- D Value: 23.41 kN



**FLUSH  
COMPRESSION  
LEVERS**

**141-142**



**INTERIOR  
LIGHTS**

**109-114**



**MRF  
DOOR  
LOCKS**

**70-80**

## Tube

Galvanized, Stainless Steel & Zinc Plated

- For door mechanisms to suit, see pages 56 to 79

| Part No.      | Outer Dia. (mm) | Wall Thickness (mm) | Length (mm) | Material/Finish      | Weight (kg) |
|---------------|-----------------|---------------------|-------------|----------------------|-------------|
| LKGR16/2000SS | 16              | 1.0                 | 2000        | 304G Stainless Steel | 0.66        |
| LKGR16/2500SS | 16              | 2.0                 | 2500        | 304G Stainless Steel | 1.60        |
| LKGR16/3000ZP | 16              | 1.5                 | 3000        | Zinc Plated          | 2.03        |
| LKGR22/2500SS | 22              | 2.0                 | 2500        | 304G Stainless Steel | 2.35        |
| LKGR22/2500ZP | 22              | 1.5                 | 2500        | Zinc Plated          | 1.76        |
| LKGR22/3000GV | 22              | 2.0                 | 3000        | Galvanized           | 3.06        |
| LKGR27/2500SS | 27              | 2.0                 | 2500        | 304G Stainless Steel | 2.87        |
| LKGR27/3000SS | 27              | 2.0                 | 3000        | 304G Stainless Steel | 3.45        |
| LKGR27/3000GV | 27              | 2.5                 | 3000        | Galvanized           | 4.50        |
| LKGR34/2440ZP | 34              | 4.0                 | 2440        | Zinc Plated          | 7.00        |
| LKGR34/3000GV | 34              | 3.0                 | 3000        | Galvanized           | 7.43        |



## Aluminium Tube

Curtain Pole

### LKGR38/4000AT

- 6063 T6 Grade • Mill finish
- ø38mm x L4000mm • 1.6mm wall thickness
- Curtain tensioners to suit, see pages 53-55
- wgt. 2.20kg



## Plastic Tube Inserts

Polyethylene

- Offers a neat and safe finish to tube ends
- Ribbed for easy assembly and secure fixing
- Provides protection from sharp tube edges
- Manufactured from low density polyethylene (LDPE)

### Square & Rectangular Range

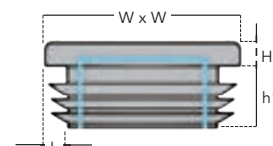
| Part No.         | W x W (mm) | H (mm) | h1 (mm) | L (mm)     | Finish (Black) | Weight (kg) |
|------------------|------------|--------|---------|------------|----------------|-------------|
| INSERT2525/BLK   | 25 x 25    | 5.0    | 11.5    | 1.0 - 3.0  | Matt           | 0.004       |
| INSERT3030/BLK   | 30 x 30    | 5.0    | 11.5    | 1.0 - 2.5  | Matt           | 0.004       |
| INSERT4020/BLK   | 40 x 20    | 5.0    | 11.5    | 1.0 - 2.5  | Matt           | 0.006       |
| INSERT4040/BLK   | 40 x 40    | 5.0    | 14.5    | 1.0 - 3.0  | Matt           | 0.008       |
| INSERT5020/BLK   | 50 x 20    | 5.0    | 16.0    | 0.8 - 3.0  | Matt           | 0.005       |
| INSERT5025/BLK   | 50 x 25    | 5.0    | 11.5    | 1.25 x 3.0 | Matt           | 0.005       |
| INSERT5030/BLK   | 50 x 30    | 5.0    | 11.5    | 1.0 - 3.0  | Matt           | 0.006       |
| INSERT5050/BLK   | 50 x 50    | 5.0    | 14.5    | 0.8 - 2.4  | Matt           | 0.014       |
| INSERT8040/BLK   | 80 x 40    | 5.0    | 14.5    | 2.5 - 4.0  | Matt           | 0.034       |
| INSERT10050/BLK  | 100 x 50   | 8.0    | 18.5    | 2.0 - 4.0  | Matt           | 0.036       |
| INSERT100100/BLK | 100 x 100  | 7.0    | 22.0    | 1.0 - 4.0  | Matt           | 0.078       |
| INSERT12060/BLK  | 120 x 60   | 6.0    | 22.0    | 2.0 - 4.0  | Matt           | 0.042       |

### Round Range

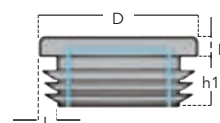
| Part No.          | D (mm) | H (mm) | h1 (mm) | L (mm)    | Colour | Weight (kg) |
|-------------------|--------|--------|---------|-----------|--------|-------------|
| INSERT34/MGS/BLUE | 32.0   | 5.0    | 11.5    | 1.0 - 3.0 | Blue   | 0.004       |
| INSERT34/MGS/BLK  | 32.0   | 5.0    | 11.5    | 1.0 - 3.0 | Black  | 0.004       |



Matt finish



BUNG34/MGS/BLUE\*



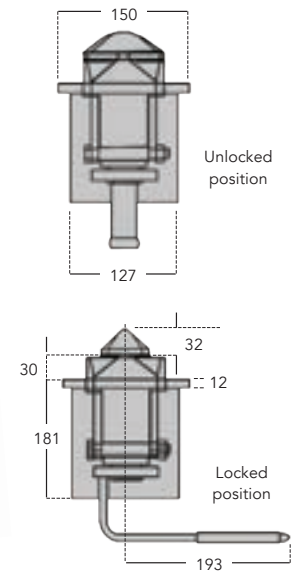
\*Suits all ø34mm mudwing stays, see page 212-213

### ISO Retractable Twist Lock – Weld-on

Red Oxide Primer Finish

**LKTW860**

- Suitable for use with LKTWT & LKTWB ISO corner castings, see page 326
- Fully retractable head leaving trailer/vehicle bed clear of obstructions
- Locks corner casting through full 90° with positive locking
- Fabricated steel body / forged head assembly
- Weld-on
- Red oxide primer finish
- Plastic handle cover
- wgt. 8.60kg



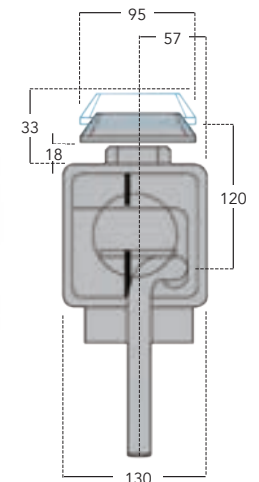
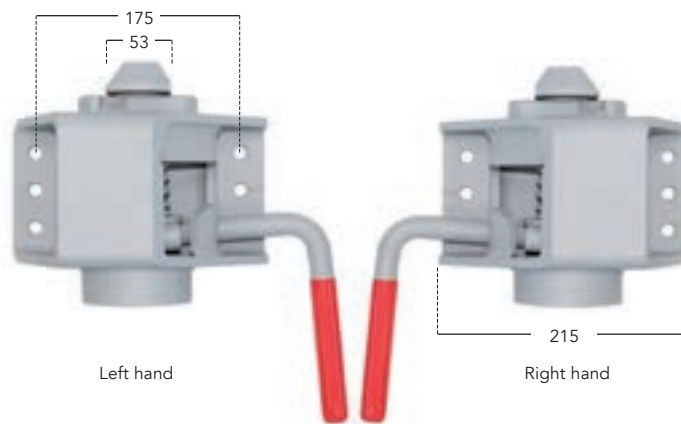
### De-Mountable Body Twist Lock – Bolt-on

Grey Primer Finish

**LKTW875/GPLH** Left hand

**LKTW875/GPRH** Right hand

- Suitable for de-mountable bodies / units
- Spring loaded handle
- Fabricated steel body
- 6 x ø10mm Fixing holes
- Plastic handle cover
- wgt. 8.50kg



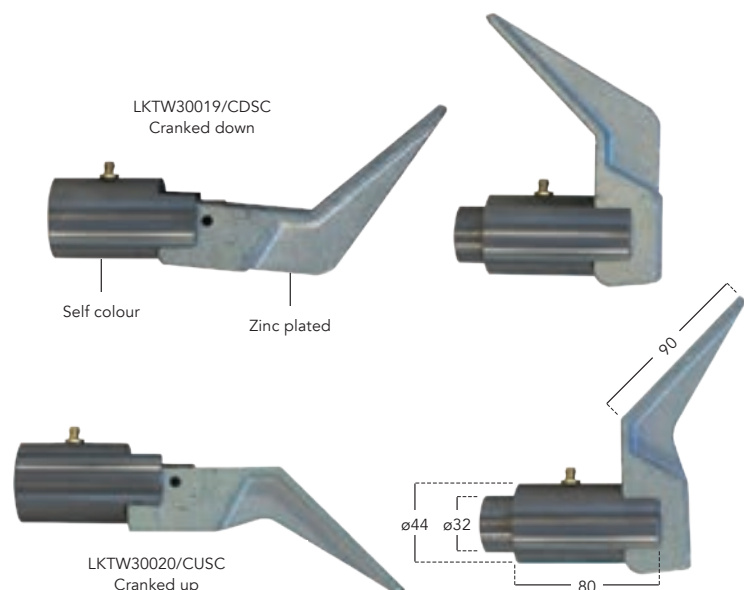
### Spring Loaded Release Plunger

Self Colour Body / Zinc Plated Handle

**LKTW30019/CDSC** Cranked down

**LKTW30020/CUSC** Cranked up

- All steel construction
- ø32mm Bolt
- Heavy duty design
- Complete with grease nipple
- Weld-on
- wgt. 1.26kg



## ISO Corner Castings

Standard Type

### LKTWT20100/L

- Left hand top corner **A**
- wgt. 10.53kg

### LKTWT20100/R

- Right hand top corner **B**
- wgt. 10.53kg

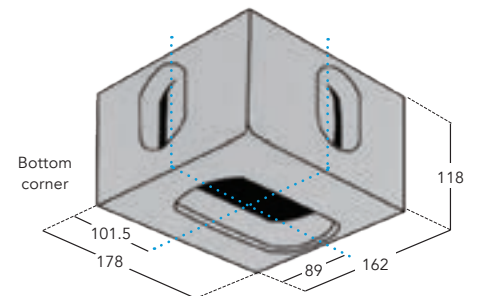
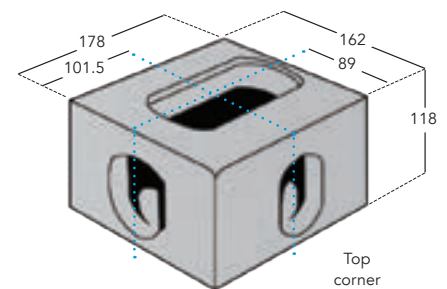
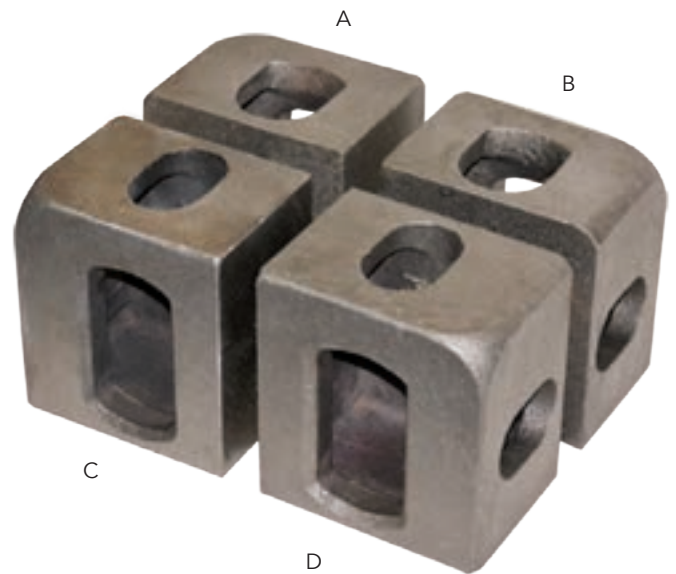
### LKTWB20000/L

- Left hand bottom corner **C**
- wgt. 10.53kg

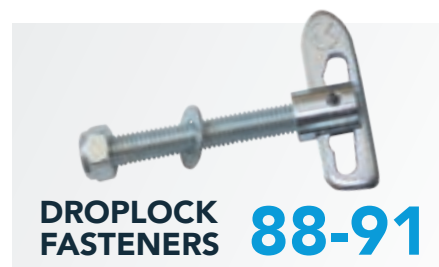
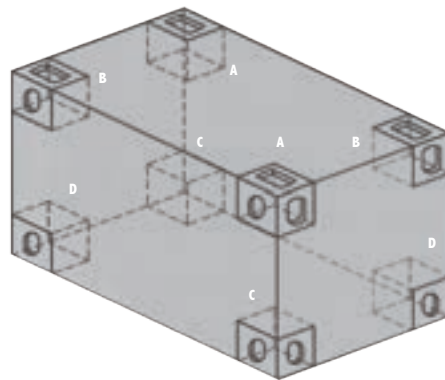
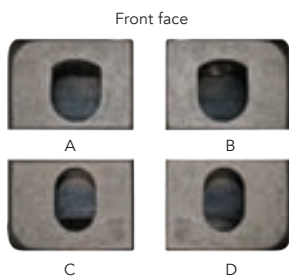
### LKTWB20000/R

- Right hand bottom corner **D**
- wgt. 10.53kg

- Standard type to suit all ISO requirements
- Cast from high grade steel
- Designed for low temperature, working at -40°C as standard
- Made in accordance with ISO1161/BS 3951  
Lloyds Register guidance note A
- Inspection certificate issued by Bureau Veritas
- Certificate of conformity available upon request



Right hand as drawn (Left hand opposite)



## Flettner TCX-2™ Ventilator

With patents and design registrations held in all key global markets, and designed using state-of-the-art computational flow dynamics, the Flettner TCX-2™ has been created to maximise rotational efficiency and torque to produce very powerful extraction rates – almost twice those of the Flettner 2000 making it particularly suited to being fitted to larger vehicles or buildings. Incorporating an integral air concentrator and an ultra-efficient centrifugal fan the Flettner TCX-2™ not only leads the way in operational efficiency it is also much simpler to fit than other ventilators – cutting installation times by as much as 50%. Moreover, everything is included with the ventilator – integral bolt fixing, full fitting instructions and template, gasket and shutter – Nothing more to buy, no messy adhesives and no sourcing of fixings.

As you would expect from Flettner, their fastidious approach to quality is evident throughout – from the grades and composition of the plastics used through to the choice of only the highest grades of machined stainless steel in the shaft and bearings. Only Flettner provide a Lifetime Warranty to give you full confidence and peace of mind – with Flettner – you can fit and forget! The Flettner TCX-2™ is available with two different roof base types, a standard base with a diameter of 145mm and a narrow base with a diameter of 108mm. Select the narrow base version if you are intending to fit it to a vehicle with a ribbed roof. For vehicles which have an inner lining, a Flettner TCX-2™ adapter is available to bridge the gap between the outer skin and the inner lining.

- Extracts fumes, flammable gases • Combats excess heat/condensation/odours



### Standard Circular Base ø145

**VEN/TCX/BLKSB** Black

**VEN/TCX/WHTSB** White

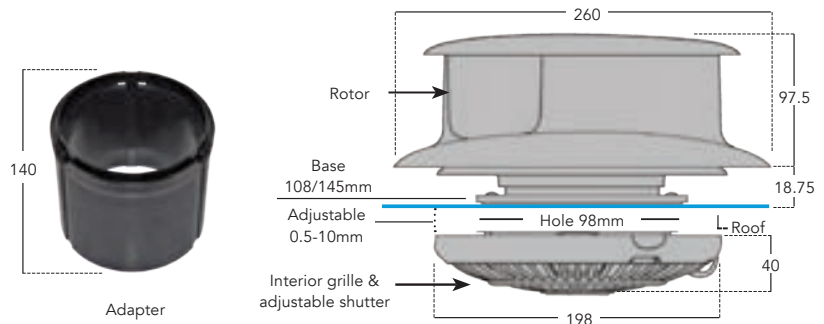
- wgt. 1.02kg

### Narrow Oval Base W108 x L145mm

**VEN/TCX/BLKNB** Black

**VEN/TCX/WHTNB** White

- Suitable for ribbed roofs
- wgt. 1.08kg



### Optional

**VEN/TCX/ADAPTER**

- Adapter to suit 25-150mm duct (cut down to suit)
- wgt. 0.31kg

| Wind Speed |       | Air Extraction Rate   |                        |
|------------|-------|-----------------------|------------------------|
| mph        | Km/h  | Cubic feet per minute | Cubic metre per minute |
| 20.0       | 32.0  | 37                    | 1.05                   |
| 30.0       | 48.0  | 58                    | 1.64                   |
| 40.0       | 64.0  | 81                    | 2.28                   |
| 50.0       | 80.0  | 102                   | 2.89                   |
| 60.0       | 96.0  | 126                   | 3.56                   |
| 70.0       | 112.0 | 149                   | 4.21                   |



### Technology

The TCX-2™ is powered by a rotor that catches the wind or the air stream created by the motion of a vehicle. Beneath the rotor is a powerful centrifugal fan that expels air outwards and thus draws stale air from below.

The principle is deceptively simple, but the TCX-2™ has been designed using state-of-the-art computational flow dynamics modelling combined with rigorous wind tunnel testing in order to achieve optimal air extraction and peak efficiency.

### Peace of Mind

The TCX-2™ is designed and constructed to eliminate the entry of rain, dust and downdraughts. The unit delivers maintenance-free performance with no electrical connections to worry about, no drain on batteries and no running costs. Round the clock ventilation is provided wherever there is a slight breeze even when a vehicle is parked or where a building has no power supply.

### Installation

Installation onto the roof of a vehicle or building is simple, requiring only a single locking nut fixing and a 98mm vent aperture. An adaptor is available to enable the ventilator to bridge thicker roof cavities, and base options are available for compatibility with most ribbed roofs.

## Flettner '2000' Ventilator

With a time-proven design and performance, a reputation for toughness, versatility and sheer reliability the Flettner 2000 roof vent is the natural choice where ventilation is required.

Ideal for small to medium sized vehicles it is fitted extensively to animal transportation vehicles and trailers around the world and has been the main ventilator specified by fleet managers, converters and vehicle body builders for many years.

Easy and quick to fit no matter what the application, the Flettner 2000 has an unrivalled list of endorsements from providing dependable, trouble-free ventilation.

The Flettner 2000 is available in Black or White and has a lifetime warranty to give you full confidence and peace of mind.

For vehicles which have an inner lining, a VEN2000/AD adapter is available to bridge the gap between the outer skin and the inner lining.

- Extracts fumes, flammable gases
- Combats excess heat/condensation/odours



**VEN2000** Black

**VEN2000/WHITE** White

- wgt. 0.85kg

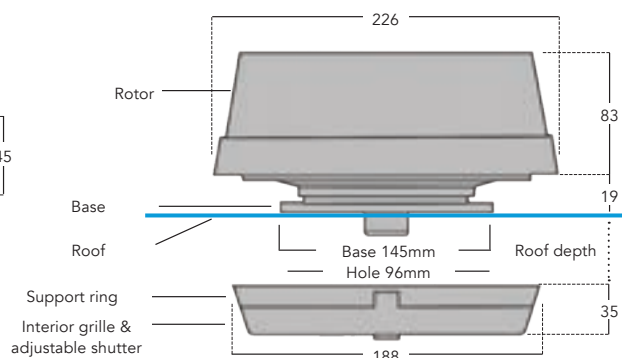
### Optional

**VEN2000/AD**

- Adapter to suit 0-50mm duct
- wgt. 0.08kg



Adapter



| Wind Speed |       | Air Extraction Rate   |                        |
|------------|-------|-----------------------|------------------------|
| mph        | Km/h  | Cubic feet per minute | Cubic metre per minute |
| 20.0       | 32.0  | 19                    | 0.54                   |
| 30.0       | 48.0  | 30                    | 0.84                   |
| 40.0       | 64.0  | 41                    | 1.16                   |
| 50.0       | 80.0  | 52                    | 1.48                   |
| 60.0       | 96.0  | 63                    | 1.79                   |
| 70.0       | 112.0 | 75                    | 2.13                   |



### How it Works

The Flettner '2000' is the result of over 70 years of experience in the design of wind-driven rotary ventilators. It is powered by a rotor that catches the wind or the air stream created by the motion of a vehicle. Beneath the rotor is a powerful centrifugal fan that expels air outwards and thus draws stale air out from below, helping to eliminate excess heat, condensation, mould and the build-up of vapours and gases.

### Peace of Mind

The Flettner '2000' is designed and constructed to eliminate the entry of rain, dust and down-draughts. The unit delivers maintenance-free performance with no electrical connections to worry about, no drain on batteries and no running costs. Quiet, round the clock ventilation is provided wherever there is a slight breeze even when a vehicle is parked or where a building has no power supply.

### Installation

Installation onto the roof of a vehicle or building is simple, requiring only a four bolt fixing and a 96mm circular vent aperture. An adaptor is available to enable the ventilator to bridge thicker roof cavities, or the insulation layer within a double-skinned roof.

## Flettner Slimline LPV™ Ventilator

The Flettner Slimline Low-Profile Ventilator is the newest addition to the Flettner product range and proudly stands as the lowest ventilator in the world with the quickest and shortest installation time. The Slimline has been specifically designed for customers who deal with height issues such as roof-racks that need a lower ventilator to fit underneath it. Due to smart engineering Flettner has designed the Slimline in such a way that it 'fits any roof'.

The new ventilator has a good balance between an aesthetically pleasing design and excellent functionality. Installation could not get any simpler with this model, it comes with 4 x 3mm bolts that secure the shutter on the inside of the vehicle roof. In terms of technical specifications, this model has a diameter of 252mm and a height of only 58mm.

For vehicles with an inner lining, an adapter is available to bridge the gap between the outside and the inside of the roof. The adapter allows the ventilators to be fitted to vehicles which have double skinned roofs and acts as a rigid bridge between the inner lining and the shutter.

- Extracts fumes, flammable gases
- Combats excess heat/condensation/odours



**VEN/LPV/BLKOB** Black

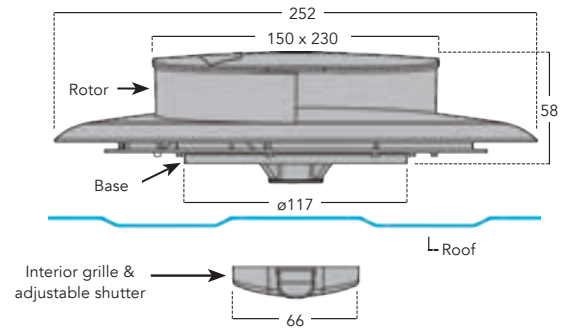
**VEN/LPV/WHTOB** White

- wgt. 0.58kg

### Optional

**VEN/LPV/ADAPTER**

- Adapter to suit 10-130mm duct (cut down to suit)
- wgt. 0.23kg



| Wind Speed |       | Air Extraction Rate   |                        |
|------------|-------|-----------------------|------------------------|
| mph        | Km/h  | Cubic feet per minute | Cubic metre per minute |
| 20.0       | 32.0  | 17.3                  | 0.49                   |
| 30.0       | 48.0  | 25.1                  | 0.71                   |
| 40.0       | 64.0  | 32.8                  | 0.93                   |
| 50.0       | 80.0  | 40.3                  | 1.14                   |
| 60.0       | 96.0  | 48.0                  | 1.36                   |
| 70.0       | 112.0 | 55.8                  | 1.58                   |



### How it Works

The LPV™ is the latest addition to the Flettner product range. It is powered by a rotor that catches the wind or the air stream created by the motion of a vehicle. Beneath the rotor is a powerful centrifugal fan that expels air outwards and thus draws stale air out from below, helping to eliminate excess heat, condensation, mould and the build-up of vapours and gases. The low-profile design enables the LPV™ to be fitted on vehicles with height issues, such as roof racks where a traditional Flettner will simply not fit.

### Peace of Mind

The LPV™ is designed and constructed to eliminate the entry of rain, dust and downdraughts. The unit delivers maintenance-free performance with no electrical connections to worry about, no drain on batteries and no running costs. Round the clock ventilation is provided wherever there is a slight breeze even when a vehicle is parked or where a building has no power supply.

### Installation

Installation onto the roof of a vehicle or building is simple, every vent is supplied with clear, concise fitting instructions. An adaptor is available to enable the ventilator to bridge thicker roof cavities.

## Rotary Ventilator (Low Profile)

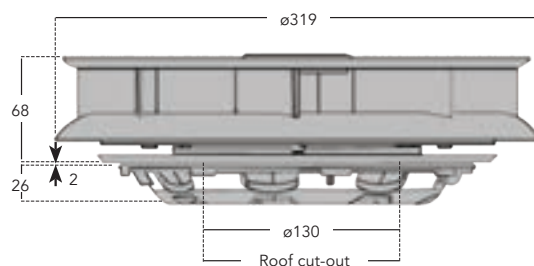
'Turbo II'

**VEN027100/BLK** Black

**VEN027000/WHT** White

- Suitable for roof thickness from 1 to 21mm
- The 'Turbo II' has been designed to protrude a maximum of 72mm above the vehicle's roof and low enough to fit under most roof mounted carrying racks, the 8 vaned air scoop rotates freely while the vehicle is in motion drawing out stale air (extraction figures shown)
- Easy to mount – simply make a 130mm dia. hole and bond into place using suitable adhesive and seal the outside edge of the ventilator
- No mechanical fixings are required.
- Moulded in ABS resin, complete with 2 bearings and a stainless steel spindle
- Supplied with installation instructions
- wgt. 1.20kg

| Wind Speed |      | Air Extraction Rate   |                        |
|------------|------|-----------------------|------------------------|
| mph        | Km/h | Cubic feet per minute | Cubic metre per minute |
| 31.0       | 50   | 82.0                  | 2.33                   |
| 49.0       | 80   | 112.2                 | 3.17                   |
| 62.0       | 100  | 144.6                 | 4.09                   |
| 75.0       | 120  | 175.4                 | 4.95                   |



Inner grille



Inside view

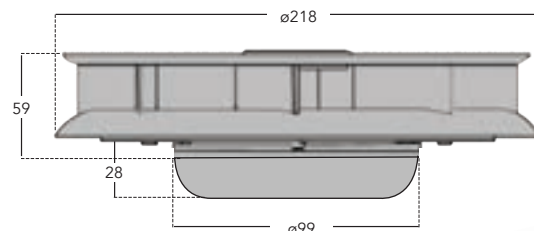
## Rotary Ventilator (Low Profile)

'Turbo III'

**VEN026100/BLK**

- Suitable for roof thickness from 1 to 17mm
- The Low Profile 'Turbo III' has been designed to protrude a maximum of 60mm above the vehicles roof and low enough to fit under most roof mounted carrying racks, the 8 vaned air scoop rotates freely while the vehicle is in motion drawing out stale air (extraction figures shown).
- Easy to mount – simply make a 80mm dia. hole and bond into place using suitable adhesive and seal the outside edge of the ventilator.
- Supplied with inner grille, allows air extraction rate to be adjusted or stopped
- No mechanical fixings are required.
- Moulded in ABS resin, c/w 2 bearings and a stainless steel spindle
- Supplied with installation instructions
- wgt. 0.55kg

| Wind Speed |      | Air Extraction Rate   |                        |
|------------|------|-----------------------|------------------------|
| mph        | Km/h | Cubic feet per minute | Cubic metre per minute |
| 31.0       | 50   | 70                    | 1.98                   |
| 49.0       | 80   | 85                    | 2.40                   |
| 62.0       | 100  | 120                   | 3.39                   |
| 75.0       | 120  | 145                   | 4.10                   |



Inner grille



Inside view

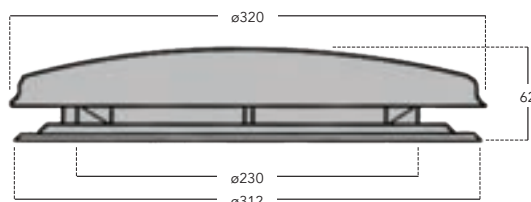
## Motorised Ventilator

Low Profile

**VEN020200/12** 12v

**VEN020200/24** 24v

- Reversible motor suction/blowing
- White ABS plastic
- Non-corrosive
- Robust housing
- Ultra low design
- For inner grilles and internal ventilation valves, see page 332
- To be used with inner grille, or internal ventilation valve if the air flow is to be shut off
- wgt. 1.76kg



| Specification    |             |
|------------------|-------------|
| Roof Top Opening | 230 - 245mm |
| External Height  | 62mm        |
| Speed (RPM)      | 2600        |
| Air Flow (M3/h)  | 850         |
| Watt (W)         | 80          |
| Noise Level (DB) | 52          |

### Switch to Suit

**VEN894005** 3 Way

- On-Off-On
- Suits all motorised ventilator units
- wgt. 0.01kg



## Motorised Ventilator

'Le Mans' - Low Profile

**VEN022200/LM/12** 12v

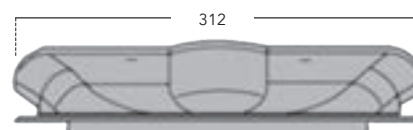
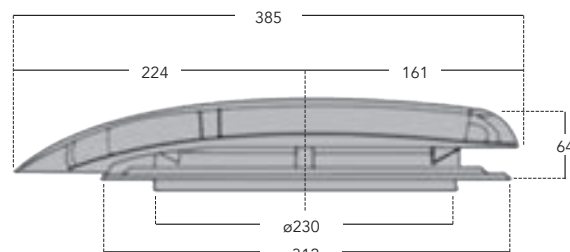
**VEN022300/LM/24** 24v

- Reversible motor suction/blowing
- White ABS plastic
- Non-corrosive
- Robust housing
- Ultra low / modern design
- For inner grilles and internal ventilation valves, see page 332
- To be used with inner grille, or internal ventilation valve if the air flow is to be shut off
- wgt. 1.95kg

### Switch to Suit

**VEN894005** 3 Way

- On-Off-On
- Suits all motorised ventilator units
- wgt. 0.01kg



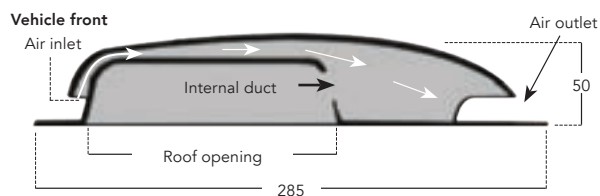
| Specification    |             |
|------------------|-------------|
| Roof Top Opening | 230 - 245mm |
| External Height  | 64mm        |
| Speed (RPM)      | 2600        |
| Air Flow (M3/h)  | 850         |
| Watt (W)         | 80          |
| Noise Level (DB) | 52          |

## Ventilator

Duct Type

### VEN021030

- L285 x W186 x D50mm
- White plastic • Easy to install
- 4 x ø5mm Fixing holes
- Roof top cut-out required: L140 x W120mm
- wgt. 0.24kg



## Inner Grille

Black Plastic

### VEN352720/BLK

- ø270 x 4mm
- Black ABS plastic
- Suits all motorised ventilators – see page 331
- wgt. 0.13kg



## Internal Ventilation Valve

Black Plastic

### VEN892024

- ø300mm
- Black ABS plastic
- Simply twist to open/close
- 4 x ø5mm Countersunk fixing holes
- Suits all motorised ventilators – see page 331
- wgt. 0.40kg



## Roof Lights

Multi-Directional – Telescopic handles opening to four sides

### VEN280

- Dome size: L330 x W330mm
- Aperture size: L280 x W280mm
- 78mm Height above roof
- wgt. 1.06kg

### VEN420

- Dome size: L465 x W465mm
- Aperture size: L420 x W420mm
- 75mm Height above roof
- wgt. 1.65kg
- White opaque top, beige base
- Spring assisted telescopic lifting mechanism
- Inner frame assembly
- Injection moulded thermoplastic
- Lid must be closed when vehicle is in transit
- Locking device



## Floor Ventilator

Black Plastic

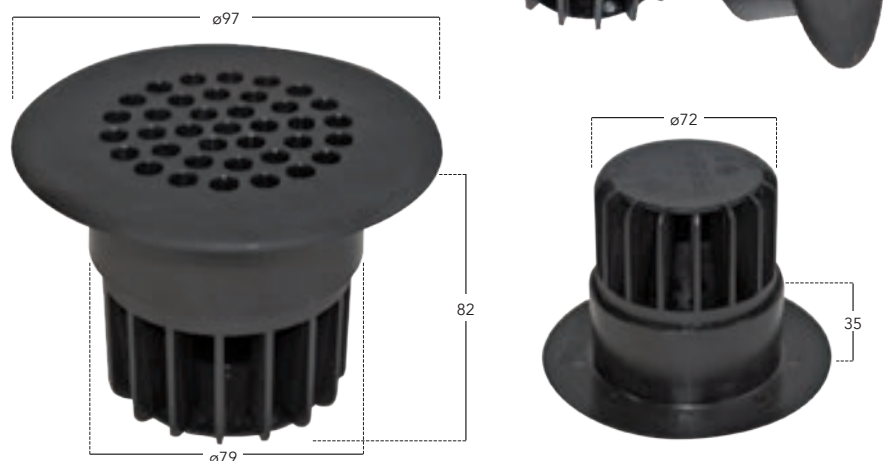


Designed to be installed on the floor of a vehicle, to extract low hanging gases etc.

When used in conjunction with a rooftop rotary ventilator it creates a vertical draught, which allows the rooftop vent to perform better.

### VEN/FLVE/BLK

- $\varnothing 97$ mm Vent
- 2 Parts
- Only 3mm protrusion
- Corrosion resistant
- Robust design
- wgt. 0.15kg



## Floor Ventilator

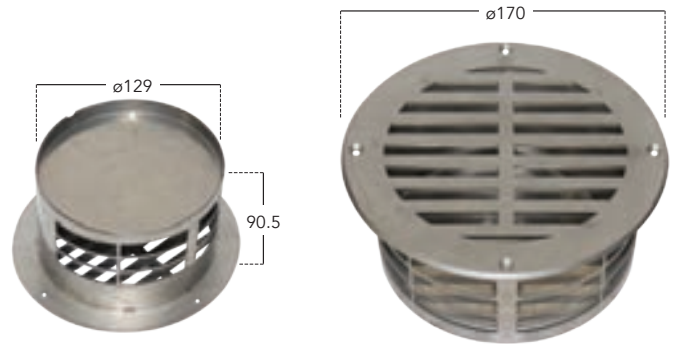
Stainless Steel

Designed to be installed on the floor of a vehicle, to extract low hanging gases etc.

When used in conjunction with a rooftop rotary ventilator it creates a vertical draught, which allows the rooftop vent to perform better.

### VEN89/5500SS

- ø170mm Vent
- Corrosion resistant
- Robust design
- Only 3mm protrusion
- 4 x ø5mm Countersunk fixing holes
- wgt. 0.85kg

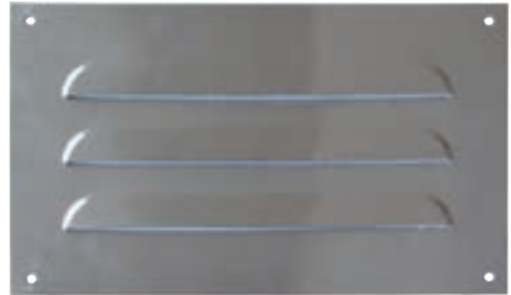


## Aluminium Louvre Grille

Fixed Hook

### VEN96/FL

- W225 x H150mm
- 3 x Fixed horizontal blades
- 4 x ø3mm Fixing holes
- Pressed aluminium
- Other sizes available to order
- wgt. 0.08kg



## Aluminium Multi-Slotted Louvre Grille

Fixed Hook

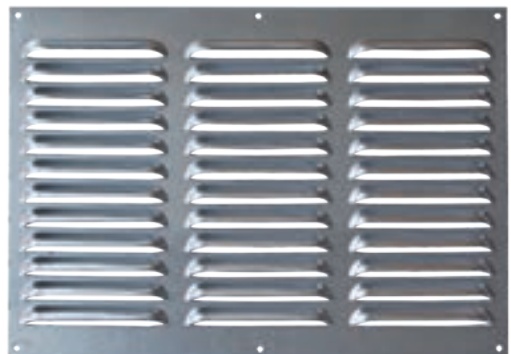
### VEN96/FLMS

- W240 x H164mm
- 4 x ø3.5mm Fixing holes
- wgt. 0.08kg

### VEN129/FLMS

- W305 x H225mm
- 6 x ø3.5mm Fixing holes
- wgt. 0.13kg

- Fixed horizontal blades
- Pressed aluminium
- Other sizes available to order

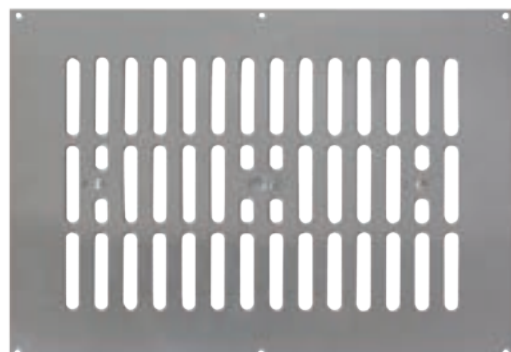


## Aluminium Multi-Slotted Grille

Hit & Miss

### VEN129/HM

- W305 x H230mm
- 6 x ø3mm Fixing holes
- Manually adjusted to control airflow
- Pressed aluminium
- Other sizes available to order
- wgt. 0.20kg



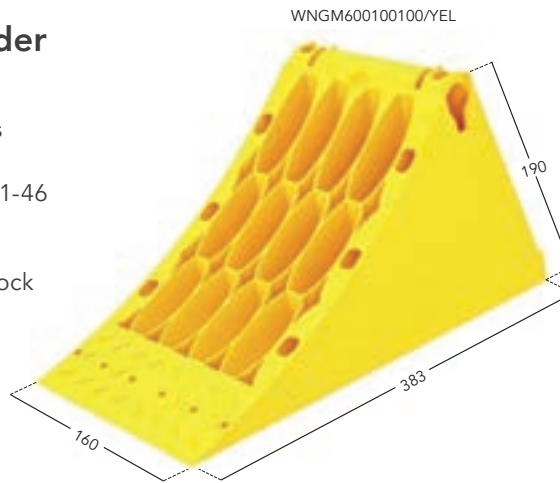
### Small Wheel Chock & Holder

CROWNY 46 Series

- For use on small commercial vehicles
- Steel insert 'grip' strip
- Conforms to EC regulation DIN 76051-46
- Robust and durable

**WNGM600100100/YEL** Wheel Chock

- L383mm x W160mm x H190mm
- Bright yellow thermoplastic
- Conforms to DIN76051/46
- wgt. 0.88kg



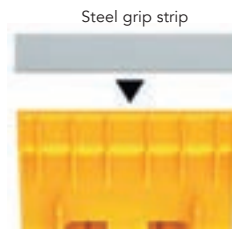
Snap-lock fixing



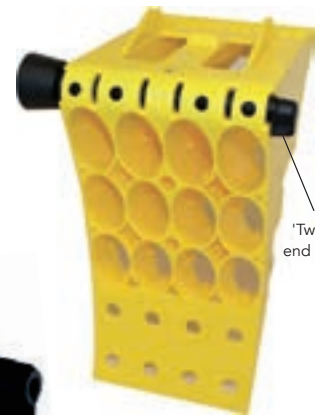
WNGM600150100/BLK

**WNGM600150100/BLK** Wheel Chock Holder

- L383mm x W160mm x H190mm
- Black plastic
- Snap lock fixing
- Suits WNGM600100100/YEL wheel chock
- wgt. 0.45kg



Steel grip strip



'Twist' end lock

**WNGM600250100/BLK** Plastic Fixing Support

- L215mm x ø55mm
- Black moulded plastic
- Twist-end lock, holds wheel chock securely in place
- Suits WNGM600100100/YEL wheel chock
- wgt. 0.15kg



M14 Pre-threaded fixing point

WNGM600250100/BLK

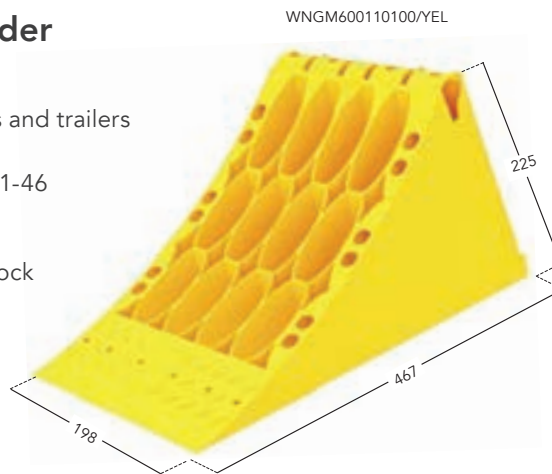
### Large Wheel Chock & Holder

CROWNY 53 Series

- For use on large commercial vehicles and trailers
- Steel insert 'grip' strip
- Conforms to EC regulation DIN 76051-46
- Robust and durable

**WNGM600110100/YEL** Wheel Chock

- L467mm x W198mm x H225mm
- Bright yellow thermoplastic
- Conforms to DIN76051/46
- wgt. 1.35kg



Snap-lock fixing



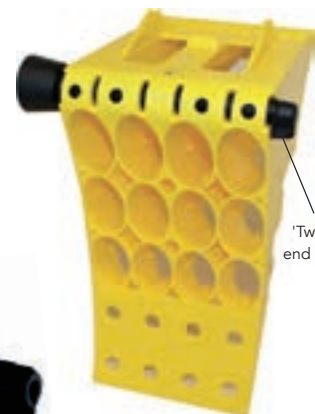
WNGM600180100/BLK

**WNGM600180100/BLK** Wheel Chock Holder

- L184mm x W194mm x H128mm
- Black plastic
- Snap lock fixing
- Suits WNGM600110100/YEL wheel chock
- wgt. 0.44kg



Steel grip strip



'Twist' end lock

**WNGM600250300/BLK** Plastic Fixing Support

- L285mm x ø55mm
- Black moulded plastic
- Twist-end lock, holds wheel chock securely in place
- Suits WNGM600110100/YEL wheel chock
- wgt. 0.15kg



M14 Pre-threaded fixing point

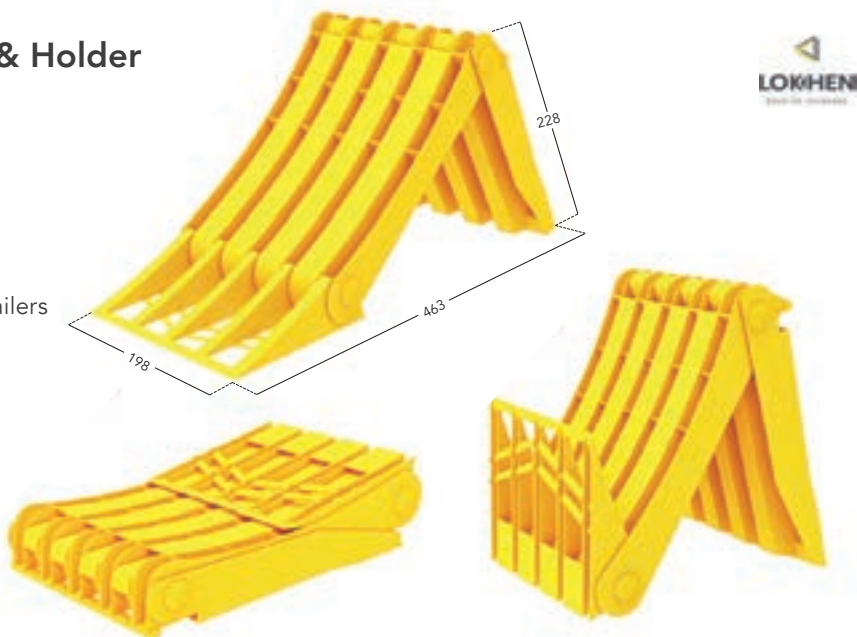
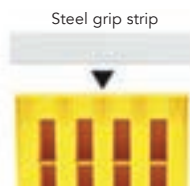
WNGM600250300/BLK

## 'Foldable' Large Wheel Chock & Holder

ORIGAMY 53 Series

**WNGM600500100/YEL**

- L463 x W198 x H228mm
- Foldable compact design
- Bright yellow moulded thermoplastic
- For use on large commercial vehicles and trailers
- Steel insert 'grip' strip
- Conforms to EC regulation DIN 76051-53
- Robust and durable
- wgt. 0.91kg



## Single Wheel Chock Holder

ORIGAMY 53 Series

**WNGM600740100/ALU**

- L69 x W35 x H65mm
- 2 x ø10mm Fixing holes
- 'R' Clip retainer
- Anodised aluminium
- Accommodates: 1 x WNGM600500100/YEL wheel chock
- wgt. 0.16kg



## Double Wheel Chock Holder

ORIGAMY 53 Series

**WNGM600740200/ALU**

- L124 x W35 x H65mm
- 2 x ø10mm Fixing holes
- 'R' Clip retainer
- Anodised aluminium
- Accommodates: 2 x WNGM600500100/YEL wheel chocks
- wgt. 0.23kg



## Wheel Chock

Rubber

**RUBF2024/CK**

- L235 x W160 x H200mm
- Natural rubber compound
- Complete with tie ring
- wgt. 6.80kg







## Package Control Groep

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