Universal Body Mounting Bracket

**ABMB006**
- For use on chassis with 75mm & 100mm runners
- Epoxy coated 5mm pressed steel
- Check for suitability in all applications

**ABMB007**
- For use on chassis with 125mm & 150mm runners
- Epoxy coated 6mm pressed steel
- Check for suitability in all applications

**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

**ABMB022**
- For use on chassis with 100mm runners
- Epoxy coated 6mm pressed steel
- Check for suitability in all applications

**ABMB023**
- For use on chassis with 100mm runners
- Epoxy coated 6mm pressed steel
- Check for suitability in all applications
Universal Body Mounting Bracket

ABMB023/14
wgt. 0.36kg
- 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

Universal Body Mounting Bracket

ABMB028
wgt. 0.40kg
- For use on chassis with 125mm & 150mm runners
- Epoxy coated 6mm pressed steel
- Check for suitability in all applications

Universal Body Mounting Bracket

ABMB030
wgt. 0.43kg
- For use on chassis with 150mm runners
- Epoxy coated 6mm pressed steel
- Check for suitability in all applications

Universal Body Mounting Bracket

ABMB066
wgt. 0.35kg
- For use on chassis with 100mm runners
- Epoxy coated 6mm pressed steel
- Check for suitability in all applications

Universal Body Mounting Bracket

ABMB067
wgt. 0.42kg
- For use on chassis with 75mm runners
- Epoxy coated 6mm pressed steel
- Check for suitability in all applications
Universal Body Mounting Bracket

**ABMB069**  
- For use on chassis with 75mm & 100mm runners  
- Epoxy coated 5mm fabricated steel (8mm base)  
- Check for suitability in all applications

**ABMB069/GV**  
- For use on chassis with 75mm & 100mm runners  
- Galvanized 5mm fabricated steel (8mm base)  
- Check for suitability in all applications

**ABMB069/ALU**  
- For use on chassis with 75mm & 100mm runners  
- 6mm Fabricated aluminium (8mm base)  
- Check for suitability in all applications

**WEIGHT SAVING**

**ABMB072**  
- For use on chassis with 100mm runners  
- Epoxy coated 6mm pressed steel  
- Check for suitability in all applications

**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
<table>
<thead>
<tr>
<th>Pedestal Body Mounting Bracket</th>
<th></th>
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<tbody>
<tr>
<td><strong>ABMB705B</strong></td>
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<tr>
<td>For use on chassis with 100mm runners</td>
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<tr>
<td>Epoxy coated 4mm fabricated steel (5mm base)</td>
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<tr>
<td>Check for suitability in all applications</td>
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<th>Pedestal Body Mounting Bracket</th>
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<td><strong>ABMB706A</strong></td>
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<td>Epoxy coated 4mm fabricated steel (6mm base)</td>
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<td><strong>ABMB706B</strong></td>
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<td>Check for suitability in all applications</td>
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<td>For use on chassis with 100mm runners</td>
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<tr>
<td>Galvanized 4mm fabricated steel (6mm base)</td>
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<td>Check for suitability in all applications</td>
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<th>Pedestal Body Mounting Bracket</th>
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</thead>
<tbody>
<tr>
<td><strong>ABMB706B/140GV</strong></td>
<td>wgt. 0.89kg</td>
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<tr>
<td>For use on chassis with 150mm runners</td>
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<tr>
<td>Galvanized 4mm fabricated steel (6mm base)</td>
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<tr>
<td>Check for suitability in all applications</td>
<td></td>
</tr>
</tbody>
</table>
Pedestal Body Mounting Bracket

**ABMB707A**  
Wgt. 0.60kg  
- For use on chassis with 75mm runners  
- Epoxy coated 4mm fabricated steel (6mm base)  
- Check for suitability in all applications

Pedestal Body Mounting Bracket

**ABMB708A**  
Wgt. 0.65kg  
- For use on chassis with 75mm runners  
- Epoxy coated 4mm fabricated steel (5mm base)  
- Check for suitability in all applications

Pedestal Body Mounting Bracket

**ABMB709A**  
Wgt. 0.72kg  
- For use on chassis with 100mm runners  
- Epoxy coated 4mm fabricated steel (5mm base)  
- Check for suitability in all applications

Base Plate

**ABMB710A**  
Wgt. 0.38kg  
- Self colour 5mm steel  
- Check for suitability in all applications

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Head Office: 01707 371161  
Midlands Division: 0121 5200100  
sales@cbf.uk.com  
cbf.uk.com
ABMB006/16DF  
Upper  
wgt. 0.43kg  
Initial front  
- 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

ABMB007/16DF  
Upper  
wgt. 0.45kg  
Intermediate  
- For use on chassis with 125mm runners  
- Epoxy coated 6mm pressed steel  
- Suits: **Various LF, CF & XF Chassis**  
- Check for suitability in all applications

ABMB023/16DF  
Upper  
wgt. 0.36kg  
Intermediate  
- For use on chassis with 100mm runners  
- Epoxy coated 6mm pressed steel  
- Suits: **Various LF, CF & XF Chassis**  
- Check for suitability in all applications

ABMB045/DF  
Lower  
wgt. 0.71kg  
Front  
- For use on chassis with 100mm runners  
- Epoxy coated 6mm fabricated steel  
- Suits: **Various LF, CF & XF Chassis**  
- Check for suitability in all applications

ABMB062/DF  
Lower  
wgt. 0.88kg  
- Epoxy coated 6mm pressed steel  
- Suits: **Various LF, CF & XF Chassis**  
- Check for suitability in all applications
**DAF Body Mounting Bracket**

**ABMB064/DF**  
Upper  
wgt. 0.75kg  
- For use on chassis with 100mm runners  
- Epoxy coated 6mm pressed steel  
- Suits: **Various LF, CF & XF Chassis**  
- Check for suitability in all applications

**DAF Body Mounting Bracket**

**ABMB065/DF**  
Upper  
wgt. 0.75kg  
- For use on chassis with 100mm runners  
- Epoxy coated 6mm pressed steel  
- Suits: **Various LF, CF & XF Chassis**  
- Check for suitability in all applications

**DAF Guide Plate**

**ABMB52**  
wgt. 1.17kg  
- Epoxy coated 8mm steel  
- Suits: **Various LF, CF & XF Chassis**  
- Check for suitability in all applications

**DAF Retainer Plate**

**ABMB53**  
wgt. 1.20kg  
- 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)

**DAF Retainer Plate**

**ABMB53/6**  
wgt. 1.18kg  
- 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)
**ABMB754**  
435mm  
wgt. 0.62kg  
- ø16mm  
- Suitable for use in various applications

**ABMB755/335**  
335mm  
wgt. 0.28kg  
- ø12mm  
- Suitable for use in various applications

**ABMB755**  
380mm  
wgt. 0.32kg  
- ø12mm  
- Suitable for use in various applications

**Isuzu Body Mounting Bracket**

**ABMB051/14/IZU**  
Lower  
wgt. 0.34kg  
- Epoxy coated 6mm pressed steel  
- Suits: Various N Series Chassis  
- Check for suitability in all applications  
- See page 12 for body mounting springs

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**COMMERCIAL BODY FITTINGS**

**BODY MOUNTING SPRINGS**  
12

**CURTAIN TENSIONERS**  
49–51

**DROPLOCK FASTENERS**  
85–89
**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

**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

**Iveco/Cargo Body Mounting Bracket**

**ABMB692**

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

**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

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**BOLTS**

22-27

**MRF DOOR MECHANISMS**

62-78

**ROLLER BUFFERS**

36
Mercedes Body Mounting Bracket

**ABMB051**  
Lower  
wgt. 0.34kg  
- Epoxy coated 6mm pressed steel  
- Suits: *Various Antos, Atego & Econic Chassis*  
- Check for suitability in all applications

Mercedes Body Mounting Bracket

**ABMB058**  
Lower  
wgt. 0.33kg  
- Epoxy coated 6mm pressed steel  
- Suits: *Various Antos, Atego & Econic Chassis*  
- Check for suitability in all applications

Mercedes Body Mounting Bracket

**ABMB080**  
Front  
wgt. 0.72kg  
- Epoxy coated 10mm fabricated steel  
- Suits: *Various Antos, Atego & Econic Chassis*  
- Check for suitability in all applications

Mercedes Attachment Plate

**ABMB082**  
wgt. 0.59kg  
- Epoxy coated 8mm steel  
- Suits: *Various Antos, Atego & Econic Chassis*  
- Check for suitability in all applications

Mercedes Guide Plate

**ABMB083**  
wgt. 0.61kg  
- Epoxy coated 8mm steel  
- Suits: *Various Antos, Atego & Econic Chassis*  
- Check for suitability in all applications
Mercedes Guide Plate

ABMB084
wgt. 1.66kg
- Epoxy coated 8mm steel
- Suits: Various Antos, Atego & Econic Chassis
- Check for suitability in all applications

Mercedes Attachment Plate

ABMB085
wgt. 1.62kg
- Epoxy coated 8mm steel
- Suits: Various Antos, Atego & Econic Chassis
- Check for suitability in all applications

Mercedes Guide Plate

ABMB086
wgt. 1.31kg
- Epoxy coated 8mm steel
- Suits: Various Antos, Atego & Econic Chassis
- Check for suitability in all applications

Mercedes Attachment Plate

ABMB087
wgt. 1.31kg
- Epoxy coated 8mm steel
- Suits: Various Antos, Atego & Econic Chassis
- Check for suitability in all applications

Mercedes/Volkswagen Body Mounting Bracket

ABMB075/125GV
wgt. 1.17kg
- 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
**BODY MOUNTING FITTINGS**

**Mercedes/Volkswagen Body Mounting Bracket**

**ABMB088/MV**
- wgt. 0.80kg
- 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

**ABMB0237/SPR**
- wgt. 0.11kg
- 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

**ABMB049/SPR**
- wgt. 0.38kg
- 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

**ABMB049/WA/GV**
- wgt. 0.039kg
- Optional washer only
- Galvanized 6mm steel

**ABMB044/SPR**
- wgt. 0.28kg
- 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

**ABMB044/WA/GV**
- wgt. 0.026kg
- Optional washer only
- Galvanized 4mm steel

**ABMB049/SPR**
- wgt. 0.38kg
- 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

**ABMB049/WA/GV**
- wgt. 0.039kg
- Optional washer only
- Galvanized 6mm steel
**Scania Body Mounting Bracket**

**ABMB641/SCA**  
Upper  
Rigid fixing  
- 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

**Scania Body Mounting Bracket**

**ABMB642/SCA**  
Upper  
Flexible fixing  
- Bolt on  
- For use on chassis with 100mm, 125mm & 150mm runners  
- Epoxy coated 7.5mm fabricated steel  
- Suits: **Series 4 - P, R & S Rigid Series**  
- Check for suitability in all applications

**Scania Body Mounting Bracket**

**ABMB643/SCA**  
Upper  
Flexible fixing  
- Weld on  
- For use on chassis with 100mm, 125mm & 150mm runners  
- Epoxy coated 7.5mm fabricated steel  
- Suits: **Series 4 - P, R & S Rigid Series**  
- Check for suitability in all applications

**Scania Body Mounting Bracket**

**ABMB648/SCA/PRT**  
Lower  
Rigid fixing  
- 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

**Scania Body Mounting Bracket**

**ABMB649/SCA/PRT**  
Lower  
Flexible fixing  
- 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
**Scania Attachment Plate**

**ABMB650/SCA/PRT**  
Bolt on  
wgt. 2.33kg  
- Epoxy coated 12mm steel  
- Suits: **Series 4 - P, R & S Rigid Series**  
- Check for suitability in all applications

**Scania Attachment Plate**

**ABMB651/SCA/PRT**  
Weld on  
wgt. 2.33kg  
- Epoxy coated 12mm steel  
- Suits: **Series 4 - P, R & S Rigid Series**  
- Check for suitability in all applications

**Volvo Body Mounting Bracket**

**ABMB602/VO**  
Lower  
wgt. 0.92kg  
- Epoxy coated 5mm fabricated steel  
- Suits: **Various FH, FE & FL Chassis**  
- Check for suitability in all applications

**Volvo Body Mounting Bracket**

**ABMB603/VO**  
Upper  
wgt. 0.97kg  
- 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

**COMMERCIAL BODY FITTINGS**

**LASHING RINGS**  
169-176

**BUFFERS & FENDERS**  
28-36

**BEARER BRACKETS**  
19-21
**Volvo Rubber Pad**

**ABMB6037RP/VO**  
wgt. 0.10kg  
- Suitable for use with: ABMB603/VO  
- Black natural rubber  
- Check for suitability in all applications

**Volvo Washer**

**ABMB6037WA/VO**  
wgt. 0.12kg  
- Suitable for use with: ABMB603/VO  
- Epoxy coated 8mm steel  
- Check for suitability in all applications

**Volvo Body Mounting Bracket**

**ABMB605/VO**  
Lower  
wgt. 0.46kg  
- Epoxy coated 5mm fabricated steel  
- Suits: **Various FH, FE & FL Chassis**  
- A lower mounting bracket is recommended for pivoted and one way flexible mountings on FL618 & FS7 rigid trucks  
- Check for suitability in all applications

**ABMB608/VO**  
Upper  
wgt. 0.73kg  
- Epoxy coated 6mm fabricated steel  
- Suits: **Various FH, FE & FL Chassis**  
- Check for suitability in all applications

**ABMB609/VO**  
Upper  
wgt. 0.75kg  
- Epoxy coated 6mm fabricated steel  
- Suits: **Various FH, FE & FL Chassis**  
- For use with semi-rigid & rigid attachments  
- Check for suitability in all applications
Volvo Rubber Pad & Washer Set

**ABMB609RP/VO**
wgt. 0.14kg
- Set consists of: 1 x rubber pad & 2 x washers
- Suits: *Various Volvo Chassis*
- Suitable for use with: **ABMB609/VO**
- Rubber pad hardness: 75-85° shore A
- When tightened the rubber must be compressed by 4mm
- Also suits: *Renault Midlum & Renault Premium*
- Check for suitability in all applications

Volvo Attachment Plate

**ABMB635/VO**
wgt. 1.70kg
- Epoxy coated 8mm steel
- Suits: *Various Volvo Chassis*
- For use on steel sub-frame
- Check for suitability in all applications

Volvo Attachment Plate

**ABMB638/VO**
wgt. 1.00kg
- Epoxy coated 6mm steel
- Suits: *Various Volvo Chassis*
- For use on steel sub-frame
- Check for suitability in all applications

Disc Spring Washer

**ABMB03**
wgt. 0.50kg per 100
- 1mm Steel
- Zinc plated

Disc Spring Washer

**ABMB03/14**
wgt. 0.80kg per 100
- 1.5mm Steel
- Phospheric coated
**Body Clamp**

**ABMB760/36DP**
- wgt. 0.54kg
- Suits chassis thickness: 3mm-4mm, 5mm-6mm
- Diamond patterned face
- Drop forged steel
- Galvanized
- Check for suitability in all applications

**ABMB760/48**
- wgt. 0.83kg
- Suits chassis thickness: 4mm-5mm, 5mm-8mm
- Smooth face
- Drop forged steel
- Galvanized
- Check for suitability in all applications

**ABMB760/712**
- wgt. 0.70kg
- Suits chassis thickness: 7mm-8mm, 10mm-12mm
- Smooth face
- Drop forged steel
- Galvanized
- Check for suitability in all applications

**ABMB760/1016**
- wgt. 0.96kg
- Suits chassis thickness: 10mm-12mm, 14mm-16mm
- Smooth face
- Drop forged steel
- Galvanized
- Check for suitability in all applications
<table>
<thead>
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<th>Product Code</th>
<th>Width (mm) x Ply</th>
<th>Weight (kg)</th>
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<td>ABMBB3/50</td>
<td>50 x 3</td>
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<td>ABMBB5/50</td>
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<td>ABMBB3/50/30</td>
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<td>ABMBB3/85RD</td>
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</tbody>
</table>

**Balata Belting**

- 10 Metre roll
- 3 Ply thickness = 3.75mm (approx.)
- 5 Ply thickness = 7.00mm (approx.)

**Balata Belting**

- 30 Metre roll
- 3 Ply thickness = 3.75mm (approx.)

**Balata Packing Washer**

- 3 Ply
- ø12mm Hole
- 3 Ply thickness = 3.75mm (approx.)

**Balata Packing Washer**

- 5 Ply
- ø12mm Hole
- 5 Ply thickness = 7.00mm (approx.)

**Balata Packing Washer**

- 3 Ply
- ø16mm Hole
- Suitable for use with single bolt wing stays - see page 201
- 3 Ply thickness = 3.75mm (approx.)
ABMB9050/6/UNIGV
wgt. 0.38kg
- L90 x W50 x D50 x T6mm
- Galvanized
- Universal fitment (non-handed)
- 2 x ø6.5mm Fixing holes
- Supplied individually

Bearer Cleat Plate
Universal - Galvanized

ABMB9548/6/UNIZP
wgt. 0.27kg
- L95 x W48 x D48 x T3.5mm
- Zinc plated
- Universal fitment (non-handed)
- 2 x ø6.5mm Fixing holes
- Supplied individually

Bearer Cleat Plate
Universal - Zinc Plated

ABMB19040/6/UNIGV
wgt. 0.41kg
- 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

Runner Bearer Bracket
Universal - Galvanized

ABMB19050/8/UNIGV
wgt. 0.54kg
- 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

Runner Bearer Bracket
Universal - Galvanized
Runner Bearer Bracket
Zinc Plated

ABMB16540/6/PRZP
wgt. 0.68kg
● L165 x W40 x D40 x T4mm
● Zinc plated
● Suits: 100mm runner / 75mm bearer
● 4 x ø6.5mm Fixing holes per bracket
● Supplied in pairs

ABMB19040/6/PRZP
wgt. 0.81kg
● L190 x W40 x D40 x T4mm
● Zinc plated
● Suits: 100mm runner / 100mm bearer
● 4 x ø6.5mm Fixing holes per bracket
● Supplied in pairs

ABMB19040/8/PRZP
wgt. 0.85kg
● L190 x W40 x D40 x T4mm
● Zinc plated
● Suits: 100mm runner / 100mm bearer
● 4 x ø8.5mm Fixing holes per bracket
● Supplied in pairs

ABMB19050/8/PRZP
wgt. 1.26kg
● L190 x W50 x D50 x T5mm
● Zinc plated
● Suits: 100mm runner / 100mm bearer
● 4 x ø8.5mm Fixing holes per bracket
● Supplied in pairs
ABMB19050/10/PRZP
wgt. 1.26kg

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

ABMB19050/6/PRGV
wgt. 1.03kg

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

ABMB22050/10/PRGV
wgt. 1.44kg

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

ABMB24050/8/PRGV
wgt. 1.08kg

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

Runner Bearer Bracket
Zinc Plated

Runner Bearer Bracket
Galvanized

Runner Bearer Bracket
Galvanized

Runner Bearer Bracket
Galvanized
BOLT244/10
wgt. 0.20kg
- Bolt: ø10mm
- Bracket: L72 x W40 x T2.8mm
- Fixing holes: 4 x ø7.0mm

BOLT244/12P
wgt. 0.36kg
- Bolt: ø12mm
- Bracket: L86 x W41 x T4.0mm
- Fixing holes: 4 x ø5.5mm

BOLT244/12
wgt. 0.51kg
- Bolt: ø12mm
- Bracket: L122 x W40 x T5.0mm
- Fixing holes: 4 x ø6.5mm

BOLT244/16
wgt. 0.93kg
- Bolt: ø16mm
- Bracket: L133 x W50 x T5.0mm
- Fixing holes: 4 x ø6.5mm
### BOLT244/12PWB
- **wgt. 0.30kg**
- Bolt: ø12mm
- Weld on bracket: L75 x W28 x T4.8mm
- Zinc plated bolt / self colour bracket

### BOLT444/12
- **wgt. 0.35kg**
- Bolt: ø12mm
- Bracket: L75 x W40 x T5.0mm
- Fixing holes: 4 x ø6mm countersunk

### BOLT444/12SS
- **wgt. 0.35kg**
- Bolt: ø12mm
- Bracket: L75 x W40 x T4.0mm
- Fixing holes: 4 x ø6mm countersunk

### BOLT444/EX/12SS
- **wgt. 0.43kg**
- Bolt: ø12mm
- Bracket: L75 x W40 x T4.0mm
- Fixing holes: 4 x ø6mm countersunk

### Spring Loaded Bolt (Weld-on)
**Zinc Plated / Self Colour**

### Spring Loaded Bolt
**Zinc Plated**

### Spring Loaded Bolt
**304G Stainless Steel**

### Spring Loaded Bolt (Long Reach)
**304G Stainless Steel**
BOLTS

Spring Loaded Lock Bolt (Weld-on)
Zinc Plated

BOLT228/19ZP
wgt. 0.95kg
- Bolt: ø19mm
- Housing: L73 x ø38mm
- Supplied complete with grease nipple

Spring Loaded Bolt (Weld-on)
Zinc Plated

BOLT233/19ZP
wgt. 0.84kg
- Bolt: ø19mm
- Housing: L74 x ø38mm
- Supplied complete with grease nipple

Spring Loaded Twist Bolt (Weld-on)
Zinc Plated

BOLT255/12ZP
wgt. 0.21kg
- Bolt: ø12.5mm
- Housing: L53 x ø25mm
- Supplied complete with grease nipple

BOLT255/19ZP
wgt. 0.36kg
- Bolt: ø19mm
- Housing: L60 x ø30mm
- Supplied complete with grease nipple

BOLT255/25ZP
wgt. 0.59kg
- Bolt: ø25mm
- Housing: L74 x ø35mm
- Supplied complete with grease nipple

Open position
BOLT265/10BP
wgt. 0.16kg
- Bolt: Ø10mm
- Barrel: L58mm
- Back plate: W40 x L50mm
- 4 x 5.2mm Fixing holes
- Crimped on handle, cannot be dismantled

BOLT265/10FP
wgt. 0.15kg
- Bolt: Ø10mm
- Barrel: L55mm
- Front plate: W25 x L50mm
- 2 x Ø5.2mm Fixing holes
- Crimped on handle, cannot be dismantled

BOLT265/10PN
wgt. 0.14kg
- Bolt: Ø10mm
- Barrel: L58mm
- Handle secured by a pin, can be dismantled if required

BOLT265/12NP
wgt. 0.18kg
- Bolt: Ø12mm
- Barrel: L58mm
- Crimped on handle, cannot be dismantled
**Spring Loaded Barrel Bolt (Bolt-on)**

*Zinc Plated*

**BOLT266/12**
wgt. 0.18kg
- Bolt: ø12mm
- Barrel: L58 x ø20mm
- Supplied with 2 x M20 nuts
- Handle secured by a pin, can be dismantled if required

**Spring Loaded Bolt (Weld-on)**

*Zinc Plated*

**BOLT230/16**
wgt. 0.42kg
- Bolt: ø16mm
- Housing: L50 x W40 x D33 x T3.8mm

**Spring Loaded Bolt (Weld-on)**

*Self Colour*

**BOLT274/10SC**
wgt. 0.16kg
- Bolt: ø10mm
- Housing: L98 x ø19mm

**Spring Loaded Bolt**

*Zinc Plated*

**BOLT40/75**
wgt. 0.07kg
- L75 x W34 x T1.3mm
- Bolt: ø8mm
- Fixing holes: 4 x ø4mm
Spring Loaded Bolt (Bolt-on)
Chromium Plated Brass

**BOLT104**
wgt. 0.05kg
- L36 x W30 x T4.0mm
- Bolt: ø6.3mm
- Fixing holes: 4 x ø4mm

Monkey Bolt
Zinc Plated

**BOLT2482/ZP**
wgt. 0.19kg
- L76 x W54 x T3.2mm
- Fixing holes: 4 x ø5.5mm

Spring Loaded Sword Pin
Zinc Plated

- All sword pins are supplied with ø40mm welded ring & 190mm x 3mm chain & chain tab

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<th>Part No.</th>
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<th>B (mm)</th>
<th>Diameter (mm)</th>
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</table>
**BUFFERS & FENDERS**

'D' Fender Mini

**RUBF3050/2550**  
wgt. 6.12kg  
- L2550 x W50 x D42mm  
- Un-drilled  
- 10mm Base thickness  
- Hardness: 75-85° shore A  
- All sizes are approximate

'D' Fender Mini

**RUBF3053/2550**  
wgt. 7.14kg  
- L2550 x W53 x D54mm  
- Un-drilled  
- 10mm Base thickness  
- Hardness: 75-85° shore A  
- All sizes are approximate

'D' Fender Mini

**RUBF21/8B**  
wgt. 4.50kg  
- L2438 x W50 x D41mm  
- Un-drilled  
- 9mm Base thickness  
- Hardness: 75-85° shore A  
- All sizes are approximate

'D' Fender Medium

**RUBF8033**  
wgt. 10.61kg  
- L2550 x W86 x 74mm  
- Un-drilled  
- 20mm Base thickness  
- Hardness: 75-85° shore A  
- All sizes are approximate
BUFFERS & FENDERS

'D' Fender

Medium

GRIP-TREAD

Large

GRIP-TREAD

RUBF6075/2550GP

wgt. 10.96kg

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

RUBF6085/2550GP

wgt. 19.63kg

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

RUBF832/08

wgt. 16.00kg

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

RUBF834

wgt. 4.61kg

- L850 x W97 x D87mm

RUBF834/08

wgt. 14.00kg

- L2550 x W97 x D87mm
- Un-drilled
- 16mm Base thickness
- Hardness: 75-85° shore A
- All sizes are approximate

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BUFFERS & FENDERS

**Trailer Buffer**

- **Heavy Duty**
- **RUBF1016**
  - Weight: 3.55kg
  - Dimensions: L365 x W100 x D115mm
  - Hole centres: 200mm
  - 2 x ø12mm Fixing holes
  - Supplied with steel washers in fixing holes

- **RUBF1075**
  - Weight: 1.52kg
  - Dimensions: L250 x W80 x D80mm
  - Hole centres: 120mm
  - 2 x ø12mm Fixing holes
  - Supplied with steel washers in fixing holes

- **RUBF1085**
  - Weight: 1.26kg
  - Dimensions: L195 x W80 x D80mm
  - Hole centres: 90mm
  - 2 x ø12mm Fixing holes
  - Supplied with steel washers in fixing holes

- **RUBF200150**
  - Weight: 2.32kg
  - Dimensions: L200 x W150 x D82mm
  - Hole centres: 117 x 78mm
  - 4 x ø10.5mm Fixing holes
  - Supplied with steel washers in fixing holes

**Rectangular Buffer**

- **Medium Duty**
- **RUBF1622**
  - Weight: 1.22kg
  - Dimensions: L406 x W54 x D50mm
  - Hole centres: 160mm
  - 3 x ø10mm Fixing holes
  - Supplied with steel washers in fixing holes
BUFFERS & FENDERS

Rectangular Buffer  
Medium Duty

RUBF1222  
wgt. 0.84kg  
- L295 x W50 x D50mm  
- Hole centres: 112mm  
- 3 x ø10mm Fixing holes  
- Supplied with steel washers in fixing holes

RUBF1022  
wgt. 0.78kg  
- L250 x W52 x D50mm  
- Hole centres: 88mm  
- 3 x ø10mm Fixing holes  
- Supplied with steel washers in fixing holes

Tapered Buffer  
Medium Duty

RUBF1725  
wgt. 1.46kg  
- Base: L450 x W40 (tapers to W37) x D60mm  
- Tapered design  
- Hole centres: 120mm  
- 4 x ø8.5mm Fixing holes  
- Supplied with steel washers in fixing holes

Rectangular Buffer  
Medium Duty

RUBF822  
wgt. 0.64kg  
- L200 x W52 x D50mm  
- Hole centres: 115mm  
- 2 x ø10mm Fixing holes  
- Supplied with steel washers in fixing holes

Rectangular Buffer  
Medium Duty

RUBF622  
wgt. 0.41kg  
- L152 x W52 x D46mm  
- Hole centres: 75mm  
- 2 x ø10mm Fixing holes  
- Supplied with steel washers in fixing holes
BUFFERS & FENDERS

Horsebox Ramp Buffer Foot
Polished Stainless Steel

RUBF511/RFSS
wgt. 0.90 kg
- L160 x W40 x H137mm (full dimensions on page 61)
- 5mm 304G Stainless steel angled bracket
- 2 x ø9mm Fixing holes
- Corrosion resistant
- Supplied complete with RUBF511 buffer fitted

Rectangular Domed Buffer
Medium Duty

RUBF511
wgt. 0.30kg
- L125 x W44 x D48mm
- Hole centres: 65mm
- 2 x ø8mm Fixing holes
- Supplied with steel washers in fixing holes

Rectangular Buffer
Medium Duty

RUBF511/EC
wgt. 0.23kg
- L124 x W41 x D42mm
- Hole centres: 65mm
- 2 x ø8mm Fixing holes
- Economy type (cavity in base)

Tapered Buffer
Medium Duty

RUBF1097
wgt. 0.79kg
- Base: L120 (tapers to L107) x W75 x D87mm
- Hole centres: 64mm
- 2 x ø10mm Fixing holes
- Supplied with steel washers in fixing holes

Tapered Buffer
Medium Duty

RUBF1129
wgt. 1.48kg
- Base: L150 (tapers to L137) x W100 x D94mm
- Hole centres: 90mm
- 2 x ø15mm Fixing holes
- Supplied with steel washers in fixing holes
**Domed Buffer**  
Medium Duty

**RUBF531**  
wgt. 0.45kg  
- L127 x W75 x D44mm  
- Hole centres: 67 x 30mm  
- 4 x ø8mm Fixing holes  
- Supplied with steel washers in fixing holes

**'D' Buffer**  
Medium Duty

**RUBF833**  
wgt. 1.07kg  
- L205 x W80 x D81mm  
- Hole centres: 134mm  
- 2 x ø10mm Fixing holes

**Top Hat / Tail-Lift Buffer**  
Medium Duty

**RUBF411**  
wgt. 0.10kg  
- L110 x W25 x D40mm  
- Hole centres: 85mm  
- 2 x ø5mm Fixing holes

**Top Hat / Tail-Lift Buffer**  
Medium Duty

**RUBF411/EC**  
wgt. 0.07kg  
- L103 x W25 x D37mm  
- Hole centres: 80mm  
- 2 x ø8mm Fixing holes  
- Economy type (cavity in base)

**Buffer & Bracket**  
Church Door

**RUBFCBF400/BU**  
Buffer  
wgt. 0.13kg  
- Buffer base: L94 x W48mm

**RUBFCBF400/BKT**  
Bracket  
wgt. 0.18kg  
- Bracket base: L100 x W50mm  
- Self colour steel

---

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Midlands Division: 0121 5200100  
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BUFFERS & FENDERS

Oval Buffer
Deep Type

RUBF458
wgt. 0.07kg
- Base: L68 x W34 x D36mm
- Hole centres: 48mm
- Solid construction
- 2 x ø6.5mm Fixing holes

Oval Buffer
Standard Type

RUBF1008
wgt. 0.02kg
- Base: L68 x W34 x D20mm
- Hole centres: 46mm
- Economy type (cavity in base)
- 2 x ø6.5mm Fixing holes

Oval Buffer
Standard Type

RUBF1008/S
wgt. 0.03kg
- Base: L68 x W34 x D20mm
- Hole centres: 46mm
- Solid construction
- 2 x ø6.5mm Fixing holes

Round Buffer
Large Diameter

RUBF112/36
wgt. 0.03kg
- H27 x ø36mm
- 1 x ø6.5mm Fixing hole

Round Buffer
Medium Diameter

RUBF118
wgt. 0.02kg
- H25 x ø28mm
- 1 x ø6.5mm Fixing hole
BUFFERS & FENDERS

Micro Buffer
Light Duty

RUBF1246
wgt. 0.002kg
- Height: 8mm
- Base: ø22mm
- 1 x ø4mm Fixing hole

Conical Buffer
Light Duty

RUBF1118
wgt. 0.03kg
- Height: 40mm
- Base: ø30mm
- Top: ø20mm
- 1 x ø6mm Fixing hole

Conical Buffer
Medium Duty

RUBF236
wgt. 0.29kg
- Height: 51mm
- Base: ø85mm
- Top: ø50mm
- 1 x ø9.5mm Fixing hole
- Supplied with steel washer in fixing hole

Refrigeration Door Conical Buffer
Medium Duty

RUBF1875
wgt. 0.22kg
- Height: 75mm
- Base: ø65mm
- Top: ø50mm
- 1 x ø9.5mm Fixing hole
**BUFFERS & FENDERS**

### Roller Buffers

#### Horizontal Fitment

**RUBF650/1HGV**
- wgt. 3.36kg
- L110 x H120 x D120mm
- 1 Roller
- 4 x ø13.0mm Fixing holes

**RUBF650/2HGV**
- wgt. 5.15kg
- L190 x H120 x D120mm
- 2 Roller
- 4 x ø13.0mm Fixing holes

**RUBF650/4HGV**
- wgt. 10.95kg
- L370 x H120 x D120mm
- 4 Roller
- 8 x ø13.0mm Fixing holes
- 25mm Axle
- Raised grip-tread
- Galvanized housing

#### Vertical Fitment

**RUBF750/1VGV**
- wgt. 3.10kg
- L106 x W80 x D120mm
- 1 Roller
- 4 x ø13.0mm Fixing holes

**RUBF750/2VGV**
- wgt. 5.28kg
- L226 x W80 x D120mm
- 2 Roller
- 6 x ø13.0mm Fixing holes

**RUBF750/3VGV**
- wgt. 7.70kg
- L336 x W80 x D120mm
- 3 Roller
- 8 x ø13.0mm Fixing holes
- 25mm Axles
- Flat grip-tread
- Galvanized housing - only 80mm wide

---

### Replacement Roller Buffer

Complete with Steel Tube Support

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

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

### Replacement Axle

#### Horizontal

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

Rubber Trim / Aluminium Carrier

RUBFCBF6015/25R Flexible PVC insert
wgt. 14.20kg
- W60 x D15mm
- Black PVC
- Supplied in 25 metre rolls

RUBFCBF6015/AC Aluminium carrier
wgt. 1.15kg
- Supplied in 3 metre lengths
- Mill finish

RUBFCBF6015/E End cap
wgt. 0.68kg
- Black plastic

Rub Rail

PVC Trim / Aluminium Carrier

RUBF604/15/BTI Flexible PVC insert
wgt. 5.12kg
- Black PVC
- Supplied in 15 metre rolls

RUBF604/365/AC Aluminium carrier
wgt. 2.88kg
- Supplied in 3.65 metre lengths
- Polished anodised finish

RUBF604/SSEC End cap
wgt. 0.17kg
- 304G Stainless steel
- 2 x Ø6.2mm Countersunk fixing holes

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BUFFERS & FENDERS

Rub Rail
PVC Profile

RUBF602030200/3/BP
wgt. 2.10kg
- L3000 x W33 x D37mm
- Black PVC
- Extremely robust
- Easy to fit using 8mm cup square bolts and nyloc nuts (not supplied)

Double ’D’ Fender
Manufactured from Tough Durable Black Neoprene

RUBFD101
wgt. 14.80kg
- W22mm x H14mm
- Supplied in 36.57 metre coils
- Stainless steel retaining strip: 8mm wide

RUBFD103
wgt. 29.00kg
- W44 x H19mm
- Supplied in 30.48 metre coils
- Stainless steel retaining strip: 13mm wide

RUBFD105
wgt. 32.00kg
- W60 x H32mm
- Supplied in 12.19 metre coils
- Stainless steel retaining strip: 16mm wide

End Cap

RUBF103/E
wgt. 0.06kg
- Suits: RUBFD103

RUBF105/E
wgt. 0.09kg
- Suits: RUBFD105
**Sponge Rubber Strip**

Self Adhesive Backing

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<th>Part No.</th>
<th>Width (mm)</th>
<th>Thickness (mm)</th>
<th>Length (mtr)</th>
<th>Weight (kgs)</th>
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- Black closed cell expanded EPDM
- Hardness: 40-50° shore A
- Temperature range: -40°C to +90°C
- Other sizes available upon request

**Sponge Cord**

EPDM Rubber

- 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

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Width (mm)</th>
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</table>

**Rubber Matting**

Fine Ribbed (Corrugated)

- 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
Rubber Matting
Heavy Duty

- Black NR / SBR blend rubber
- Hardness: 60-70° shore A
- Ameobic 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

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<th>Part No.</th>
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PVC Internal Rub Rail
Heavy Duty

RUMS220/50G
wgt. 4.48kg
- L5000 x H220 x T2.8mm
- Grey PVC
- Suitable for dry freight and refrigeration use
The Cool-Guard range of insulated bulkheads are now a regular feature with many of the leading refrigerated hauliers in the UK. 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 66mm EPS (expanded polystyrene), a closed-cell moisture resistant material designed to resist water ingress and bacteria forming. This is sandwiched between 5mm Polyethylene foam shock-resistant layers and a heavy-duty reinforced vinyl skin. An overall thickness of 78mm is achieved offering optimal temperature control and durability.

**Key Benefits**

- 78mm Overall thickness, 66mm EPS lightweight core
- 620gm Reinforced vinyl skin
- Extremely lightweight and robust design
- Unique GRP stiffeners are installed within the EPS core, these offer superior protection from impact damage, they also prevent the bulkhead from sagging when in the stowed position
- 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
- Can be manufactured to suit any size or shape of vehicle
- High impact skid-guard, can be supplied in 2 sizes, 150mm & 250mm heights
- K-Value tested to comply with ATP Classification – documentation available upon request
- Fast turnaround - generally available within a 7-10 day production time

**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. The skidguard can be supplied in heights of 150mm and 250mm.
BULKHEADS

Insulated Bulkheads
EPS Closed Cell Core

Easy-Lift Lifting & Storing Device
The ‘Easy-Lift’ mechanism is fitted as standard on all Roof Mounted Systems, which 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 230kgs, so you can be confident in the fact that once the bulkhead is stored, it will remain stored!

Easy-Glide Track & Roller System
The Easy-Glide rollers incorporate 4 Nylon wheels, which are used in conjunction with side-wall ‘J’ tracks and the unique centre tracks that are present in the two-piece units. These allow the bulkhead to be smoothly moved along the vehicle into the desired position.

Roof Mounted Bulkheads
- Ideally suited for trailers and rigid vehicles
- Once bulkheads are stowed the vehicle can be loaded/unloaded without the need to remove them
- Easy-Glide rollers allow the bulkhead to be effortlessly moved along the length of the vehicle
- ‘Easy-Lift’ Pulley system complete with integrated ‘CG-Cleat’, supplied as standard
- Thermostatic fan kits (optional)
- Various configurations available, including one-piece, two-piece, three-piece
- Side wings (optional)

Fully Portable Units
- Ideally suited for vans and small rigid vehicles
- Various configurations available including one-piece (plug) and Bi-fold
- Wheel box flaps (optional)
- Thermostatic fan kits (optional)
- Can be manufactured to suit any shape or style of van

Centre track
Easy-Glide roller
Two piece system
Panel van bulkhead
Options

- Wheel-Box flaps, commonly used on vans
- Corner cut-outs, can be shaped to accommodate ducting/conduit etc.
- Side wings, commonly used on rigid and trailer vehicles. Velcro tabs are sewn onto the polyester hinge allowing the wings to be held against the bulkhead when being stowed
- Ventilation flaps, three different styles are available:
  - VF-Flap, smaller bleed flap - commonly used on vans
  - TF-Flap MK1 & MK2, commonly used on trailers and rigid vehicles
- Thermostatic fan kits are used where dual temperature control is required
  - VF-Tech, suitable for smaller vehicles
  - TF-Tech, suitable for larger vehicles
- Many more options are available, please contact us for more information
Straight Link Chain
Galvanized & Zinc Plated

- Welded links
- Low carbon steel
- Various size and length options
- Compatible with chain tab, ACHN247/ZP - page 47

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Links (per Metre)</th>
<th>Diameter (mm)</th>
<th>Length (mtr)</th>
<th>Finish</th>
<th>Grade</th>
<th>Weight (kgs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACHN10/32P</td>
<td>48</td>
<td>3</td>
<td>10</td>
<td>Zinc Plated</td>
<td>Commercial</td>
<td>1.62</td>
</tr>
<tr>
<td>ACHN10/5GV</td>
<td>36</td>
<td>5</td>
<td>10</td>
<td>Galvanized</td>
<td>Commercial</td>
<td>6.09</td>
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<tr>
<td>ACHN10/6GV</td>
<td>24</td>
<td>6</td>
<td>10</td>
<td>Galvanized</td>
<td>Commercial</td>
<td>9.50</td>
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<tr>
<td>ACHN30/08GV</td>
<td>19</td>
<td>8</td>
<td>30</td>
<td>Galvanized</td>
<td>DIN763</td>
<td>34.00</td>
</tr>
</tbody>
</table>

Carbine Snap Hook & Nylon Eye
Zinc Plated

ACHN95/100
wgt. 0.12kg
A: 82mm  B: ø11.5mm
Wire: ø10mm
- Spring loaded catch
- Nylon eye can be removed if not required

Spring Hook
Zinc Plated

ACHN50
wgt. 0.03kg
A: 58mm  B: ø8mm
Wire: ø6.0mm
ACHN63
wgt. 0.04kg
A: 70mm  B: ø10mm
Wire: ø6.8mm
ACHN75
wgt. 0.06kg
A: 75mm  B: ø11.5mm
Wire: ø9.5mm
ACHN88
wgt. 0.08kg
A: 90mm  B: ø14.5mm
Wire: ø7.8mm
ACHN100
wgt. 0.13kg
A: 98mm  B: ø16mm
Wire: ø9.8mm
- Spring loaded catch
ACHN102/08  
wgt. 1.13kg  
- L920 x ø8mm Galvanized chain  
- Galvanized bolt-on plate

ACHN75/CH  
wgt. 0.09kg  
- Hook: 75mm  
- Chain: L150 x ø3mm  

ACHN75/12CH  
wgt. 0.11kg  
- Hook: 75mm  
- Chain: L300 x ø3mm  

ACHN100/CH  
wgt. 0.18kg  
- Hook: L100 x ø3mm  
- Chain: L300mm x ø3mm

Spring Hook & Chain  
Zinc Plated

Spring Hook & Chain  
Zinc Plated

Supplied complete with chain tab

Flat Cotter & Chain  
Zinc Plated

ACOT10A/ZP  
wgt. 0.10kg  
- Pin: L60 x W15 x T4.5mm  
- Supplied complete with welded ring and L190 x ø3mm chain  
- Compatible with chain tab, ACHN247/ZP - page 47

Cotter, Chain & Snap Ring  
Zinc Plated

ACOT13/ZP  
wgt. 0.10kg  
- Pin: L60 x W15 x T4.5mm  
- Supplied complete with snap ring and L190 x ø3mm chain  
- Compatible with chain tab, ACHN247/ZP - page 47
COTTERS, CHAINS & CHAIN FITTINGS

Lynch Pin complete with Sprung Security Loop
CP350 Surface Coated

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Pin Diameter (mm)</th>
<th>Pin Length (mm)</th>
<th>Ring Diameter (mm)</th>
<th>Weight (kgs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACOT9/045</td>
<td>4.5</td>
<td>32</td>
<td>36</td>
<td>0.02</td>
</tr>
<tr>
<td>ACOT9/06</td>
<td>6</td>
<td>44</td>
<td>50</td>
<td>0.03</td>
</tr>
<tr>
<td>ACOT9/08</td>
<td>8</td>
<td>44</td>
<td>50</td>
<td>0.03</td>
</tr>
<tr>
<td>ACOT9/08LR</td>
<td>8</td>
<td>44</td>
<td>54</td>
<td>0.04</td>
</tr>
<tr>
<td>ACOT9/11</td>
<td>11</td>
<td>44</td>
<td>50</td>
<td>0.05</td>
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</tbody>
</table>

Supplied complete with sprung security loop and L190 x ø3mm chain
Compatible with chain tab, ACHN247/ZP - page 47

Lynch Pin, Chain & Sprung Security Loop
CP350 Surface Coated

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Pin Diameter (mm)</th>
<th>Pin Length (mm)</th>
<th>Ring Diameter (mm)</th>
<th>Weight (kgs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACOT9/06CH</td>
<td>6</td>
<td>44</td>
<td>50</td>
<td>0.05</td>
</tr>
<tr>
<td>ACOT9/08CH</td>
<td>8</td>
<td>44</td>
<td>50</td>
<td>0.07</td>
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<tr>
<td>ACOT9/11CH</td>
<td>11</td>
<td>44</td>
<td>50</td>
<td>0.08</td>
</tr>
</tbody>
</table>

ACOT215/06
wgt. 0.09kg
- Pin: L90 x ø6mm

ACOT215/08
wgt. 0.11kg
- Pin: L73 x ø8mm

ACOT215/10
wgt. 0.14kg
- Pin: L98 x ø10mm
- Supplied complete with ring and L190 x ø3mm chain
- Compatible with chain tab, ACHN247/ZP - page 47

ACOT215/10WR
wgt. 0.09kg
- Pin: L98 x ø10mm
- Supplied complete with L190 x ø2.5mm wire and chain tab
ACOT351
wgt. 0.75kg
- Pin: L62 x ø9.5mm

ACNH247/ZP
wgt. 0.02kg
- 3mm Pressed mild steel
- ø8.5mm Hole

Pipe Lynch Pin
CP350 Surface Coated

Chain Tab
Zinc Plated

Commercial Grade Wire Rope Grips
Zinc Plated

AMSC272/05
wgt. 0.01kg
- Suits 2 x ø5mm cables

AMSC272/06
wgt. 0.01kg
- Suits 2 x ø6mm cables

AMSC272/10
wgt. 0.06kg
- Suits 2 x ø10mm cables

'D' Shackle - Screwed Pin
Galvanized Alloy Steel - U.S. Federal Spec. RR-C-271

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

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Pin ø (mm)</th>
<th>Shackle ø (mm)</th>
<th>Length (mm)</th>
<th>Width (mm)</th>
<th>SWL (kgs)</th>
<th>Weight (kgs)</th>
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<tbody>
<tr>
<td>AMSC38/050/GV</td>
<td>8.0</td>
<td>7.8</td>
<td>20.0</td>
<td>12.0</td>
<td>500</td>
<td>0.05</td>
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<tr>
<td>AMSC38/075/GV</td>
<td>9.2</td>
<td>8.5</td>
<td>26.5</td>
<td>13.5</td>
<td>750</td>
<td>0.07</td>
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<tr>
<td>AMSC38/100/GV</td>
<td>11.0</td>
<td>11.0</td>
<td>32.0</td>
<td>17.0</td>
<td>1000</td>
<td>0.13</td>
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<tr>
<td>AMSC38/200/GV</td>
<td>15.5</td>
<td>13.0</td>
<td>39.5</td>
<td>21.0</td>
<td>2000</td>
<td>0.28</td>
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</table>
## Round Spring Cotter 'Single Coil'

**Zinc Plated**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Length (mm)</th>
<th>Material (mm)</th>
<th>(D) Minimum (mm)</th>
<th>(D) Maximum (mm)</th>
<th>Weight (kgs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACOT15/14</td>
<td>43</td>
<td>Ø2.0</td>
<td>Ø8</td>
<td>Ø14</td>
<td>0.002</td>
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<tr>
<td>ACOT15/10</td>
<td>67</td>
<td>Ø3.5</td>
<td>Ø11</td>
<td>Ø18</td>
<td>0.010</td>
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<tr>
<td>ACOT15/08</td>
<td>74</td>
<td>Ø4.0</td>
<td>Ø12</td>
<td>Ø20</td>
<td>0.016</td>
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<tr>
<td>ACOT15/06</td>
<td>105</td>
<td>Ø5.0</td>
<td>Ø20</td>
<td>Ø30</td>
<td>0.034</td>
</tr>
</tbody>
</table>

- Medium carbon / spring steel

---

## Round Spring Cotter 'Double Coil'

**Zinc Plated**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Length (mm)</th>
<th>Material (mm)</th>
<th>(D) Minimum (mm)</th>
<th>(D) Maximum (mm)</th>
<th>Weight (kgs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACOT18/02</td>
<td>61</td>
<td>Ø2.0</td>
<td>Ø8</td>
<td>Ø14</td>
<td>0.003</td>
</tr>
<tr>
<td>ACOT18/03</td>
<td>74</td>
<td>Ø3.0</td>
<td>Ø14</td>
<td>Ø19</td>
<td>0.012</td>
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<tr>
<td>ACOT18/04</td>
<td>95</td>
<td>Ø4.0</td>
<td>Ø16</td>
<td>Ø24</td>
<td>0.026</td>
</tr>
<tr>
<td>ACOT18/05</td>
<td>107</td>
<td>Ø5.0</td>
<td>Ø19</td>
<td>Ø30</td>
<td>0.046</td>
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<tr>
<td>ACOT18/06</td>
<td>140</td>
<td>Ø6.0</td>
<td>Ø23</td>
<td>Ø35</td>
<td>0.092</td>
</tr>
</tbody>
</table>

- Medium carbon / spring steel
Armour-Tech 600 (AT600) surface coating used on all curtain tensioners
600+ hours salt spray tested - see full coating specification on page 201
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

Curtain Tensioner
AT600 Surface Coated

- 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

Curtain Tensioner Range

CARGCBF502TB/AT/LH Left hand
wgt. 1.93kg
CARGCBF502TB/AT/RH Right hand
wgt. 2.23kg

- Stainess steel handle

Curtain Tensioner
AT600 Surface Coated

- 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

CARGCBF502TH/AT/LH Left hand
CARGCBF502TH/AT/RH Right hand
wgt. 2.23kg

- Stainless steel handle

*Offside rear shown

The drawing above shows the positioning of all handed tensioners

Head Office: 01707 371161 Midlands Division: 0121 5200100 sales@cbf.uk.com cbf.uk.com 49
CURTAIN TENSIONERS

CARGCBF505/SLAT/LH  Left hand
CARGCBF505/SLAT/RH  Right hand
wgt. 1.79kg

- ø25mm Round shaft with 8mm slot
- 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

CAGRCE505/40AT/LH  Left hand
CAGRCE505/40AT/RH  Right hand
wgt. 1.82kg

- 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

CARGCBF506TB/AT/LH  Left hand
CARGCBF506TB/AT/RH  Right hand
wgt. 1.50kg

- 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
Curtain Tensioner
AT600 Surface Coated

CARGCBF506DH/AT/LH  Left hand
CARGCBF506DH/AT/RH  Right hand

wgt. 1.58kg

- 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

Universal Tensioner Handle
AT600 Surface Coated

CARGCBF507DH/AT/UNI  Universal

wgt. 1.48kg

- 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

Cotter & 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
MRF 22mm 'Falleba' Bushed Door Locking Mechanism
Zinc Plated
'D' Grip Handle

- Suits both left and right hand doors
- Bushed brackets (plastic inserts) to aid operation

**MRF202830101**
'D' Grip handle
Handle retainer mechanism & tube attachment hub
- Zinc plated

**MRF204080166**
Cam & keeper set
- Set consists of: 2 x weld-on cams
- 2 x bolt-on keepers
- Investment cast
- Zinc plated

**MRF203020156**
Tube clamp set
- Set consists of: 5 x brackets
- Plastic bushed
- Zinc plated

**Tube to suit**
**LKGR22/2500ZP**
ø22 x L2500mm
- Zinc plated
- See page 313 for our full range of tubes

---

**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
Comm-Lock 22mm Un-Bushed Door Locking Mechanism
Zinc Plated
Forged Handle

LKGR2022/UB
wgt. 2.24kg
- 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

Tube to suit
LKGR22/3000GV
wgt. 3.06kg
- ø22 x L3000 x 2mm Wall thickness
- Galvanized
- See page 313 for our full range of tubes

Comm-Lock 'Premium' 27mm Bushed Door Locking Mechanism
Galvanized
Forged Handle

LKGR2027/BUGV
wgt. 4.73kg
- Component set as shown, complete with forged handle, handle cover and gasket set (5 parts, 1mm rubber)
- Suits both left and right hand doors
- Gasket set provides a barrier between components and door panel face
- Bushed brackets (plastic inserts) to aid operation
- Robust galvanized finish — can be used unpainted
- Good gather, excellent anti-rack properties
- Investment cast cam & keepers
- Spare parts available to order

Tube to suit
LKGR27/3000GV
wgt. 4.50kg
- ø27 x L3000 x 2.5mm Wall thickness
- Galvanized
- See page 313 for our full range of tubes
# DOOR MECHANISMS

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

**Zinc Plated**

**Forged Handle**

<table>
<thead>
<tr>
<th>Component set as shown, complete with forged handle and handle cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suits both left and right hand doors</td>
</tr>
<tr>
<td>Un-bushed brackets (no plastic inserts)</td>
</tr>
<tr>
<td>Good gather, excellent anti-rack properties</td>
</tr>
<tr>
<td>Spare parts available - see page 60</td>
</tr>
</tbody>
</table>

### LKGR2027/UB

- wt. 4.94kg

<table>
<thead>
<tr>
<th>Gasket Set to suit</th>
</tr>
</thead>
<tbody>
<tr>
<td>LKGR2027/BUGS</td>
</tr>
<tr>
<td>wt. 0.03kg</td>
</tr>
<tr>
<td>5 Parts</td>
</tr>
<tr>
<td>Manufactured from 1mm natural rubber</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Tube to suit</th>
</tr>
</thead>
<tbody>
<tr>
<td>LKGR27/3000GV</td>
</tr>
<tr>
<td>wt. 4.50kg</td>
</tr>
<tr>
<td>ø27 x L3000 x 2.5mm Wall thickness</td>
</tr>
<tr>
<td>Galvanized</td>
</tr>
<tr>
<td>See page 313 for our full range of tubes</td>
</tr>
</tbody>
</table>

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

**Zinc Plated**

**'D' Grip Handle**

<table>
<thead>
<tr>
<th>Component set as shown, complete with 'D' grip handle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suits both left and right hand doors</td>
</tr>
<tr>
<td>Un-bushed brackets (no plastic inserts)</td>
</tr>
<tr>
<td>Good gather, excellent anti-rack properties</td>
</tr>
<tr>
<td>Spare parts available - see page 60</td>
</tr>
</tbody>
</table>

### LKGR2027/UBDG

- wt. 5.15kg

<table>
<thead>
<tr>
<th>Gasket Set to suit</th>
</tr>
</thead>
<tbody>
<tr>
<td>LKGR2027/BUGS</td>
</tr>
<tr>
<td>wt. 0.03kg</td>
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<tr>
<td>5 Parts</td>
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<tr>
<td>Manufactured from 1mm natural rubber</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Tube to suit</th>
</tr>
</thead>
<tbody>
<tr>
<td>LKGR27/3000GV</td>
</tr>
<tr>
<td>wt. 4.50kg</td>
</tr>
<tr>
<td>ø27 x L3000 x 2.5mm Wall thickness</td>
</tr>
<tr>
<td>Galvanized</td>
</tr>
<tr>
<td>See page 313 for our full range of tubes</td>
</tr>
</tbody>
</table>
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 60

**Gasket Set to suit**

**LKGR2027/BUGS**

- 5 Parts
- Manufactured from 1mm natural rubber

**Tube to suit**

**LKGR27/3000GV**

- ø27 x L3000 x 2.5mm Wall thickness
- Galvanized
- See page 313 for our full range of tubes

---

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 60

**Gasket Set to suit**

**LKGR2027/BUGS**

- 5 Parts
- Manufactured from 1mm natural rubber

**Tube to suit**

**LKGR27/3000GV**

- ø27 x L3000 x 2.5mm Wall thickness
- Galvanized
- See page 313 for our full range of tubes
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
- Ø27 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
- Spare parts available - see page 60

**Gasket Set to suit**

**LKGR2027/BUGS**

- 5 Parts
- Manufactured from 1mm natural rubber
- It is recommended that a zinc rich, cold galvanising solution is used to protect the top cam weld

**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 grip handle and handle cover
- Supplied in pairs comprising of:
  - 1 x left hand set
  - 1 x right hand set
- Ø27 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
- Spare parts available - see page 60

**Gasket Set to suit**

**LKGR2027/BUGS**

- 5 Parts
- Manufactured from 1mm natural rubber
- It is recommended that a zinc rich, cold galvanising solution is used to protect the top cam weld
LKGR2034/BU
wgt. 5.10kg
- 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

Tube to suit
LKGR34/3000GV
wgt. 7.43kg
- ø34 x L3000 x 3mm Wall thickness
- Galvanized
- See page 313 for our full range of tubes

MRF 22mm 'Falleba' Bushed Door Locking Mechanism
304G Stainless Steel
'D' Grip Handle

- Suits both left and right hand doors
- Bushed brackets (plastic inserts) to aid operation

MRF202830201
'D' Grip handle
wgt. 1.34kg
- Handle retainer mechanism & tube attachment hub
- Polished 304G stainless steel

MRF204100261
Cam & keeper set
wgt. 1.24kg
- Set consists of: 2 x weld-on cams
- 2 x bolt-on keepers
- Investment cast
- 304G Stainless steel

MRF203020256
Tube clamp set
wgt. 0.55kg
- Set consists of: 5 x brackets
- Plastic bushed
- 304G Stainless steel
- Alternative tube clamp set - MRF203020266, see page 74

Tube to suit
LKGR22/2500SS
ø22 x L2500mm
wgt. 2.35kg
- Polished 304G stainless steel
- See page 313 for our full range of tubes
27mm Bushed Door Locking Mechanism
304G Stainless Steel
Forged Handle

**LKGR2010N**
wgt. 3.75kg
- Component set as shown, complete with forged handle
- Suits both left and right hand doors
- Bushed brackets (plastic inserts) to aid operation
- Polished 304G stainless steel - corrosion resistant
- Narrow based keepers, only 29mm wide
- Supplied with one small bracket - see below for additional brackets
- Spare parts available to order

**Tube to suit**
- **LKGR27/2500SS**  \(\varnothing27 \times L2500\)
wgt. 2.87kg  2mm Wall thickness
- **LKGR27/3000SS**  \(\varnothing27 \times L3000\)
wgt. 3.45kg  2mm Wall thickness
- Polished 304G stainless steel
- See page 313 for our full range of tubes

**Additional Bracket & Plastic Bush (Optional)**
- **LKGR/BCSP14094/V2** Bracket
  wgt. 0.10kg
  - Suits: LKGR/BCP14089/BU
- **LKGR/BCP14089/BU** Plastic bush (2 parts)
  wgt. 0.02kg
  - Suits: LKGR/BCSP14094/V2

27mm Bushed Door Locking Mechanism
304G Stainless Steel
‘D’ Grip Handle

**LKGR2010N/PG**
wgt. 3.85kg
- Component set as shown, complete with wire style ‘D’ grip handle
- Suits both left and right hand doors
- Bushed brackets (plastic inserts) to aid operation
- Polished 304G stainless steel - corrosion resistant
- Narrow based keepers, only 29mm wide
- Supplied with one small bracket - see below for additional brackets
- Spare parts available to order

**Tube to suit**
- **LKGR27/2500SS**  \(\varnothing27 \times L2500mm\)
wgt. 2.87kg  2mm Wall thickness
- **LKGR27/3000SS**  \(\varnothing27 \times L3000\)
wgt. 3.45kg  2mm Wall thickness
- Polished 304G stainless steel
- See page 313 for our full range of tubes

**Additional Bracket & Plastic Bush (Optional)**
- **LKGR/BCSP14094/V2** Bracket
  wgt. 0.10kg
  - Suits: LKGR/BCP14089/BU
- **LKGR/BCP14089/BU** Plastic bush (2 parts)
  wgt. 0.02kg
  - Suits: LKGR/BCSP14094/V2
27mm Bushed Pre-Welded Door Locking Mechanism
304G Stainless Steel / Welded Cams / Variable Height
Forged Handle
No welding required, simply cut the top tube to the desired length and fasten together

LKGR2010N/VFH
wgt. 8.15kg
- Full set as shown, c/w forged handle
- No welding required - bottom and top cams are pre-welded to the relevant tubes. Cut top tube to length and fasten top and bottom tubes together within the handle hub assembly, using the 2 spirol pins
- Ø27 x L3000mm 304G Stainless steel tube
- Suits both left and right hand doors
- Bushed brackets (plastic inserts) to aid operation
- Polished 304G stainless steel - corrosion resistant
- Narrow based keepers, only 29mm wide
- Spare parts available to order

Additional Bracket & Plastic Bush (Optional)
LKGR/BCSP14094/V2
wgt. 0.10kg
- Bracket
- Suits: LKGR/BCP14089/BU

LKGR/BCP14089/BU
wgt. 0.02kg
- Plastic bush (2 parts)
- Suits: LKGR/BCSP14094/V2

27mm Bushed Pre-Welded Door Locking Mechanism
304G Stainless Steel / Welded Cams / Variable Height
'D' Grip Handle
No welding required, simply cut the top tube to the desired length and fasten together

LKGR2010N/VPG
wgt. 8.15kg
- Full set as shown, c/w wire style 'D' grip handle
- No welding required - bottom and top cams are pre-welded to the relevant tubes. Cut top tube to length and fasten top and bottom tubes together within the handle hub assembly, using the 2 spirol pins
- Ø27 x L3000mm 304G Stainless steel tube
- Suits both left and right hand doors
- Bushed brackets (plastic inserts) to aid operation
- Polished 304G stainless steel - corrosion resistant
- Narrow based keepers, only 29mm wide
- Spare parts available to order

Additional Bracket & Plastic Bush (Optional)
LKGR/BCSP14094/V2
wgt. 0.10kg
- Bracket
- Suits: LKGR/BCP14089/BU

LKGR/BCP14089/BU
wgt. 0.02kg
- Plastic bush (2 parts)
- Suits: LKGR/BCSP14094/V2
### Comm-Lock Door Locking Mechanism Spare Parts

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Suitable for use with:</th>
</tr>
</thead>
<tbody>
<tr>
<td>LKGR2027/CAM</td>
<td>Cam. Zinc plated</td>
<td>✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓</td>
</tr>
<tr>
<td>LKGR2027/KEP</td>
<td>Keeper. Zinc plated</td>
<td>✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓</td>
</tr>
<tr>
<td>LKGR2027/FH</td>
<td>Forged handle (zinc plated) c/w handle cover</td>
<td>✓ ✓ ✓ ✓ ✓ ✓ ✓</td>
</tr>
<tr>
<td>LKGR2027/DG</td>
<td>‘D’ Grip handle. Zinc plated</td>
<td>✓ ✓ ✓ ✓ ✓ ✓ ✓</td>
</tr>
<tr>
<td>LKGR2027/HRM</td>
<td>Handle retainer mechanism. Includes: hub, catch, retainer, spacer &amp; rivet</td>
<td>✓ ✓ ✓ ✓ ✓ ✓ ✓</td>
</tr>
<tr>
<td>LKGR2027/BU/SBKT/ZP</td>
<td>Small bracket. Bushed. Zinc plated</td>
<td>✓ ✓ ✓ ✓ ✓ ✓ ✓</td>
</tr>
<tr>
<td>LKGR2027/BU/LBKT/ZP</td>
<td>Large bracket. Bushed. Zinc plated</td>
<td>✓ ✓ ✓ ✓ ✓ ✓ ✓</td>
</tr>
<tr>
<td>LKGR2027/UB/SBKT/ZP</td>
<td>Small bracket. Un-bushed. Zinc plated</td>
<td>✓ ✓ ✓ ✓ ✓ ✓ ✓</td>
</tr>
<tr>
<td>LKGR2027/UB/LBKT/ZP</td>
<td>Large bracket. Un-bushed. Zinc plated</td>
<td>✓ ✓ ✓ ✓ ✓ ✓ ✓</td>
</tr>
<tr>
<td>LKGR2027/BUGS</td>
<td>Gasket set. 5 parts. 1mm Natural rubber</td>
<td>✓ ✓ ✓ ✓ ✓ ✓ ✓</td>
</tr>
<tr>
<td>LKGR2027/BU/SM/BLK</td>
<td>Small bush. Black nylon</td>
<td>✓ ✓ ✓ ✓ ✓ ✓ ✓</td>
</tr>
<tr>
<td>LKGR2027/BU/LG/BLK</td>
<td>Large bush. Black nylon</td>
<td>✓ ✓ ✓ ✓ ✓ ✓ ✓</td>
</tr>
</tbody>
</table>

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

**Part No. Description**

- 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

**Suitable for use with:**

- LKGR2027/UBDG
- LKGR2027/UBLG
- LKGR2027/UBDLR
- LKGR2027/UHFLR
**Horsebox Ramp Closing Mechanism**  
304G Stainless Steel

- **LKGR20/1475FHLR/SS**  
- **LKGR20/14750SHLR/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 ø20mm solid stainless steel bars, complete with either a flat or off-set handle - 1420mm cam centres
- 304G Brushed stainless steel

**Horsebox Ramp Buffer Foot**  
304G Stainless Steel

- **RUBF511/RFSS**
- **wgt. 0.90kg**

- L160 x W40 x H137mm
- 304G Polished stainless steel (5mm) angled bracket
- 2 x ø9mm Fixing holes
- Corrosion resistant
- Supplied complete with **RUBF511** buffer fitted
**3-Way Rod Latch**
Zinc Plated

**LKGRCBF300/LH** Left hand
**LKGRCBF300/RH** Right hand (shown)
wgt. 1.85kg

- Supplied complete with 2 x rod guides and keeper
- Rod: ø10mm
- Length extended: 2264mm
- Length retracted: 2230mm
- Tongue length: 46mm
- Can be used in conjunction with various handles - see pages 134-137

---

**MRF Solutions**

MRF Solutions is a Spanish based design and manufacturer of high-quality truck mounted hardware. With over 50 years experience predominantly specialising in stainless steel recessed and surface mounted door locks, cam and keeper sets, various bracketry and many other associated products. CBF have been working in partnership with MRF for over 20 years, establishing their premium range of products in the UK marketplace.
MRF ‘BOREAS’ Surface Mounted Slam Lock
304G Stainless Steel
Ideally suited to the Home Delivery / Refrigerated Transport Industry

MRF485000200
wgt. 1.40kg
- L216.5 x W143 x D52.5mm
- Robust construction, tested to 40,000 cycles (opening-closing)
- 304G Polished stainless steel
- Direct opening system
- 4 x ø8.5mm Fixing holes
  DIN7991, M8 countersunk screws recommended
- Supplied with adjustable keeper & 2 keys
- Installation instructions available upon request
- Spares available, see page 78

MRF485000200/BC
wgt. 0.06kg
- Replacement barrel & cam to suit

Spacer Set
Suits MRF485000200 BOREAS Lock

MRF485000201
wgt. 0.53kg
- Raises slam latch and keeper to clear door seals
- Set consists of: 1 x 3mm handle spacer
  1 x 3mm keeper spacer
  1 x 1.5mm keeper spacer
- 304G Stainless steel

Internal ‘Twist’ Release

MRF202930603
wgt. 0.16kg
- Suitable for door thickness up to 100mm
- Complete with luminous handle
MRF 'BOREAS' Recessed Mounted Slam Lock  
304G Stainless Steel  
Ideally suited to the Home Delivery / Refrigerated Transport Industry

MRF485000220  
wgt. 1.05kg  
- L252 x W164 x D47mm  
- Robust construction, tested to 40,000 cycles (opening-closing)  
- 304G Polished stainless steel  
- Direct opening system  
- 4 x ø6.2mm Fixing holes in pan  
- Supplied with adjustable keeper & 2 keys  
- Keeper can be adjusted up and down until the correct position is achieved  
- Installation instructions available upon request  
- Internal release available please contact us for more information

MRF301050101  
wgt. 0.05kg  
- Replacement barrel & 2 keys

MRF202110205  
wgt. 0.01kg  
- Barrel cam to suit

ANTI-SLIP GRIP TAPE  
297

MARKER LAMPS  
114-121

SEALANTS & ADHESIVES  
263-273
MRF Mini 'Atlas' Series
Recessed Door Lock
304G Stainless Steel
Suits ø16mm Tube

**MRF202310203**

- wgt. 0.68kg
- L225 x W124 x D25.6mm
- 304G Polished stainless steel
- Thumb release mechanism
- Supplied with 2 keys
- Spares available, see page 78

**Tube to suit**

**LKGR16/2000SS**  
ø16 x L2000mm  
wgt. 0.66kg  
1mm Wall thickness

**LKGR16/2500SS**  
ø16 x L2500mm  
wgt. 1.60kg  
2mm Wall thickness

- 304G Polished stainless steel
- See page 313 for our full range of tubes

**Cam & Keeper Set**
304G Stainless Steel

**MRF204060243**

- wgt. 0.38kg
- Set consists of: 2 x weld-on cams  
2 x bolt-on keepers
- Investment cast
- 304G Stainless steel

**Internal 'Push' Release**

**MRF202740680**

- wgt. 0.13kg
- Suitable for door thickness up to 100mm
- Complete with luminous handle
**MRF '1031' Plus Series**

**Recessed Door Lock**

*304G Stainless Steel*

*Suits ø16mm Tube*

---

**MRF202730203**

wgt. 1.32kg

- L314 x W144 x D32.5mm
- 304G Polished stainless steel
- Thumb release mechanism
- Supplied with 2 keys
- Internal release not available
- Spares available, see page 78

**Tube to suit**

<table>
<thead>
<tr>
<th>Tube Code</th>
<th>Details</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>LKGR16/2000SS</td>
<td>ø16 x L2000mm 1mm Wall thickness</td>
<td>0.66kg</td>
</tr>
<tr>
<td>LKGR16/2500SS</td>
<td>ø16 x L2500mm 2mm Wall thickness</td>
<td>1.60kg</td>
</tr>
</tbody>
</table>

- 304G Polished stainless steel
- See page 313 for our full range of tubes

---

**Cam & Keeper Set**

*304G Stainless Steel*

**MRF204060243**

wgt. 0.38kg

- Set consists of: 2 x weld-on cams
  - 2 x bolt-on keepers
- Investment cast
- 304G Stainless steel

---

**Tube Guides**

*Black Nylon*

**MRF301010633**

wgt. 0.03kg

- L91.5 x W25mm
- 2 Guides per set
- Suitable for use with ø16mm tube
MRF 'Breogan' Series
Recessed Door Lock
304G Stainless Steel
Suits ø16mm Tube

MRF202580253
wgt. 1.83kg
- L320 x W164 x D26.5mm
- 304G Polished stainless steel
- Thumb release mechanism
- Supplied with key cover & 2 keys
- Internal release not available
- Spares available, see page 78

Tube to suit
LKGR16/2000SS  ø16 x L2000mm
wgt. 0.66kg  1mm Wall thickness
LKGR16/2500SS  ø16 x L2500mm
wgt. 1.60kg  2mm Wall thickness
- 304G Polished stainless steel
- See page 313 for our full range of tubes

Cam & Keeper Set
304G Stainless Steel

MRF204060243
wgt. 0.38kg
- Set consists of: 2 x weld-on cams
- 2 x bolt-on keepers
- Investment cast
- 304G Stainless steel

Tube Guides
Black Nylon

MRF301010633
wgt. 0.03kg
- L91.5 x W25mm
- 2 Guides per set
- Suitable for use with ø16mm tube

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cbf.uk.com  67
MRF 'ULISES' Premium - 25.6 Series
Recessed Door Lock
304G Stainless Steel
Suits ø16mm Tube

MRF202330254
wgt. 1.66kg
- L300 x W148 x D27.1mm
- 304G Polished stainless steel
- Handle release mechanism / pull handle to release
- Direct opening system
- Supplied with key cover, 2 keys and gasket
- Spares available, see page 78

Tube to suit
LKGR16/2000SS ø16 x L2000mm
wgt. 0.66kg
- 1mm Wall thickness
LKGR16/2500SS ø16 x L2500mm
wgt. 1.60kg
- 2mm Wall thickness
- 304G Polished stainless steel
- See page 313 for our full range of tubes

Cam & Keeper Set
304G Stainless Steel
MRF204060243
wgt. 0.38kg
- Set consists of: 2 x weld-on cams
- 2 x bolt-on keepers
- Investment cast
- 304G Stainless steel

Tube Guides
Black Nylon
MRF301010633
wgt. 0.03kg
- L91.5 x W25mm
- 2 Guides per set
- Suitable for use with ø16mm tube

Internal 'Push' Release
MRF202740680
wgt. 0.13kg
- Suitable for door thickness up to 100mm
- Complete with luminous handle

See page 313 for our full range of tubes
MRF 'ULISES' Premium - 29 Series
Recessed Door Lock
304G Stainless Steel
Suits ø16mm Tube

MRF202320254
wgt. 1.66kg
- L300 x W148 x D30.5mm
- 304G Polished stainless steel
- Handle release mechanism / pull handle to release
- Direct opening system
- Supplied with key cover, 2 keys and gasket
- Spares available, see page 78

Tube to suit
LKGR16/2000SS  ø16 x L2000mm
wgt. 0.66kg  1mm Wall thickness
LKGR16/2500SS  ø16 x L2500mm
wgt. 1.60kg  2mm Wall thickness
- 304G Polished stainless steel
- See page 313 for our full range of tubes

Cam & Keeper Set
304G Stainless Steel
MRF204060243
wgt. 0.38kg
- Set consists of: 2 x weld-on cams
- 2 x bolt-on keepers
- Investment cast
- 304G Stainless steel

Tube Guides
Black Nylon
MRF301010633
wgt. 0.03kg
- L91.5 x W25mm
- 2 Guides per set
- Suitable for use with ø16mm tube

Internal 'Push' Release
MRF202740680
wgt. 0.13kg
- Suitable for door thickness up to 100mm
- Complete with luminous handle

LKGR16/2000SS
ø16 x L2000mm
wgt. 0.66kg  1mm Wall thickness
LKGR16/2500SS
ø16 x L2500mm
wgt. 1.60kg  2mm Wall thickness
- 304G Polished stainless steel
- See page 313 for our full range of tubes

Head Office: 01707 371161    Midlands Division: 0121 5200100    sales@cbf.uk.com
cbf.uk.com
MRF '1031' Plus Series
Recessed Door Lock
Zinc Plated
Suits Ø16mm Tube

MRF202730103
wgt. 1.32kg
- L314 x W144 x D32.5mm
- Zinc plated
- Thumb release mechanism
- Supplied with 2 keys
- Internal release not available
- Spares available, see page 78

Tube to suit
LKGR16/3000ZP  Ø16 x L3000mm
wgt. 1.71kg  1.5mm Wall thickness
- Zinc plated
- See page 313 for our full range of tubes

Cam & Keeper Set
Zinc Plated

MRF204060142
wgt. 0.53kg
- Set consists of: 2 x weld-on cams
  2 x bolt-on keepers
- Zinc plated

Tube Guides
Black Nylon

MRF301010633
wgt. 0.03kg
- L91.5 x W25mm
- 2 Guides per set
- Suitable for use with Ø16mm tube
MRF 'Breogan' Series
Recessed Door Lock
Zinc Plated
Suits Ø16mm Tube

MRF202580153
wgt. 1.83kg
- L320 x W164 x D26.5mm
- Zinc plated
- Thumb release mechanism
- Supplied with key cover & 2 keys
- Internal release not available
- Spares available, see page 78

Tube to suit
LKGR16/3000ZP  Ø16 x L3000mm
wgt. 1.71kg  1.5mm Wall thickness
- Zinc plated
- See page 313 for our full range of tubes

Cam & Keeper Set
Zinc Plated

MRF204060142
wgt. 0.53kg
- Set consists of: 2 x weld-on cams
- 2 x bolt-on keepers
- Zinc plated

Tube Guides
Black Nylon

MRF301010633
wgt. 0.03kg
- L91.5 x W25mm
- 2 Guides per set
- Suitable for use with Ø16mm tube
MRF 'ENIDE' Series
Surface Mounted Door Lock
304G Stainless Steel
Suits Ø16mm Tube

MRF202730263
wgt. 0.72kg
- L238 x W92 x D45.4mm
- 304G Polished stainless steel
- Thumb release mechanism
- Supplied with 2 keys
- Spares available, see page 78

Tube to suit
LKGR16/2000SS  Ø16 x L2000mm
wgt. 0.66kg  1mm Wall thickness
- 304G Polished stainless steel
- See page 313 for our full range of tubes

Cam & Keeper Set
304G Stainless Steel

MRF204100275
wgt. 0.71kg
- Set consists of: 2 x weld-on cams
  2 x bolt-on keepers
- Investment cast
- 304G Stainless steel

Tube Clamp Set
304G Stainless Steel

MRF203020257
wgt. 0.28kg
- 4 Brackets per set
- Plastic bushed
- 304G Polished stainless steel

Internal 'Push' Release

MRF202740680
wgt. 0.13kg
- Suitable for door thickness up to 100mm
- Complete with luminous handle
MRF 'LIR' Series
Surface Mounted Door Lock
304G Stainless Steel
Suits Ø16mm Tube

MRF202990253
wgt. 1.03kg
- L230 x W117 x D45.5mm
- 304G Polished stainless steel
- Thumb release mechanism
- Supplied with key cover & 2 keys
- Spares available, see page 78

Tube to suit
LKGR16/2000SS Ø16 x L2000mm
wgt. 0.66kg 1mm Wall thickness
LKGR16/2500SS Ø16 x L2500mm
wgt. 1.60kg 2mm Wall thickness
- 304G Polished stainless steel
- See page 313 for our full range of tubes

Cam & Keeper Set
304G Stainless Steel

MRF204100275
wgt. 0.71kg
- Set consists of: 2 x weld-on cams
- 2 x bolt-on keepers
- Investment cast
- 304G Stainless steel

Tube Clamp Set
304G Stainless Steel

MRF203020257
wgt. 0.28kg
- 4 Brackets per set
- Plastic bushed
- 304G Polished stainless steel

Internal 'Push' Release

MRF202740680
wgt. 0.13kg
- Suitable for door thickness up to 100mm
- Complete with luminous handle
**MRF 'LIR' Series**

**Surface Mounted Door Lock**

304G Stainless Steel

Suits ø22mm Tube

---

**MRF202960253**

wgt. 1.53kg

- L258.5 x W121.5 x D39mm
- 304G Polished stainless steel
- Thumb release mechanism
- Supplied with key cover & 2 keys
- Spares available, see page 78

---

**Tube to suit**

**LKGR22/2500SS**

ø22 x L2500mm

wgt. 2.35kg

2mm Wall thickness

- 304G Polished stainless steel
- See page 313 for our full range of tubes

---

**Cam & Keeper Set**

304G Stainless Steel

---

**MRF204100261**

wgt. 1.24kg

- Set consists of: 2 x weld-on cams
  2 x bolt-on keepers
- Investment cast
- 304G Stainless steel

---

**Tube Clamp Set**

304G Stainless Steel

---

**MRF203020266**

wgt. 0.93kg

- Set consists of: 2 x large brackets
  1 x intermediate bracket
- Plastic bushed
- 304G Polished stainless steel
- 5 x Intermediate bracket set available - **MRF203020256** - see page 57 for more info.

---

**Internal 'Push' Release**

---

**MRF202740680**

wgt. 0.13kg

- Suitable for door thickness up to 100mm
- Complete with luminous handle
**MRF 'ULISES' Series**

*Surface Mounted Door Lock*

*304G Stainless Steel*

**Suits ø22mm Tube**

---

**MRF202930253**

* wgt. 2.13kg

- L261 x W139 x D40mm
- 304G Polished stainless steel
- Handle release mechanism / pull handle to release
- Direct opening system
- Supplied with key cover & 2 keys
- Spares available, see page 78

**Tube to suit**

**LKGR22/2500SS**  
ø22 x L2500mm  
wgt. 2.35kg  
2mm Wall thickness

- 304G Polished stainless steel
- See page 313 for our full range of tubes

---

**Cam & Keeper Set**

*304G Stainless Steel*

**MRF204100261**  
wgt. 1.24kg

- Set consists of: 2 x weld-on cams  
  2 x bolt-on keepers
- Investment cast
- 304G Stainless steel

---

**Tube Clamp Set**

*304G Stainless Steel*

**MRF203020266**  
wgt. 0.93kg

- Set consists of: 2 x large brackets  
  1 x intermediate bracket
- Plastic bushed
- 304G Polished stainless steel
- 5 x Intermediate bracket set available - MRF203020256 - see page 57 for more info.

---

**Internal 'Twist' Release**

**MRF202930601**  
wgt. 0.16kg

- Suitable for door thickness up to 70mm
- Complete with luminous handle

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Head Office: 01707 371161  
Midlands Division: 0121 5200100  
sales@cbf.uk.com  
cbf.uk.com
MRF ’LIR’ Series
Surface Mounted Door Lock
304G Stainless Steel
Suits ø27mm Tube

MRF202950253
wtg. 1.82kg
- L293 x W121 x D42mm
- 304G Polished stainless steel
- Thumb release mechanism
- Supplied with key cover & 2 keys
- Spares available, see page 78

Tube to suit
LKGR27/2500SS ø27 x L2500mm
wtg. 2.87kg 2mm Wall thickness
LKGR27/3000SS ø27 x L3000mm
wtg. 3.45kg 2mm Wall thickness
- 304G Polished stainless steel
- See page 313 for our full range of tubes

Cam & Keeper Set
304G Stainless Steel

MRF204110246
wtg. 1.98kg
- Set consists of: 2 x weld-on cams 2 x bolt-on keepers
- Investment cast
- 304G Stainless steel

Tube Clamp Set
304G Stainless Steel

MRF203020209
wtg. 1.42kg
- Set consists of: 2 x large brackets 2 x intermediate brackets
- Plastic bushed
- 304G Polished stainless steel

Internal ’Push’ Release

MRF202740680
wtg. 0.13kg
- Suitable for door thickness up to 100mm
- Complete with luminous handle
**MRF 'ULISES' Series**

**Surface Mounted Door Lock**

304G Stainless Steel

**Suits Ø27mm Tube**

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**MRF202940253**

wgt. 2.62kg

- L318 x W156 x D42mm
- 304G Polished stainless steel
- Handle release mechanism / pull handle to release
- Direct opening system
- Supplied with key cover & 2 keys
- Spares available, see page 78

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**Tube to suit**

**LKGR27/2500SS**

ø27 x L2500mm

wgt. 2.87kg  
2mm Wall thickness

**LKGR27/3000SS**

ø27 x L3000mm

wgt. 3.45kg  
2mm Wall thickness

- 304G Polished stainless steel
- See page 313 for our full range of tubes

---

**Cam & Keeper Set**

304G Stainless Steel

**MRF204110246**

wgt. 1.98kg

- Set consists of: 2 x weld-on cams
  2 x bolt-on keepers
- Investment cast
- 304G Stainless steel

---

**Tube Clamp Set**

304G Stainless Steel

**MRF203020209**

wgt. 1.42kg

- Set consists of: 2 x large brackets
  2 x intermediate brackets
- Plastic bushed
- 304G Polished stainless steel

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**Internal 'Twist' Release**

**MRF202940601**

wgt. 0.16kg

- Suitable for door thickness up to 70mm
- Complete with luminous handle
### MRF Door Mechanism Spare Parts

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Suitable for use with:</th>
</tr>
</thead>
<tbody>
<tr>
<td>MRF301050101</td>
<td>Replacement barrel &amp; 2 keys</td>
<td>✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔</td>
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<tr>
<td>MRF202040205</td>
<td>Cam to suit MRF301050101</td>
<td>✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔</td>
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<tr>
<td>MRF202110205</td>
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<td>✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔</td>
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<td>MRF202120205</td>
<td>Cam to suit MRF301050101</td>
<td>✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔</td>
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<td>MRF202130205</td>
<td>Cam to suit MRF301050101</td>
<td>✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔</td>
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<td>MRF202200205</td>
<td>Cam to suit MRF301050101</td>
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</tr>
<tr>
<td>MRF202320204</td>
<td>Cam to suit MRF301050101</td>
<td>✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔</td>
</tr>
<tr>
<td>MRF202930250</td>
<td>Cam to suit MRF301050101</td>
<td>✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔</td>
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<tr>
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<td>Cam to suit MRF301050101</td>
<td>✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔</td>
</tr>
<tr>
<td>MRF301020209</td>
<td>Handle spring</td>
<td>✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔</td>
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<tr>
<td>MRF485000200/BC</td>
<td>Barrel, cam &amp; keys to suit: MRF485000200</td>
<td>✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔ ✔</td>
</tr>
</tbody>
</table>

- 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.

![Images of various MRF parts](image-url)
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 delamination 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 reinforced polyester resin
- Multi-ply core
- All edges and holes must be sealed during fitment. Failure to do so can lead to delamination problems, due to water ingress

Melamine Faced Door Panels
Heavy Duty

- **PLY8418/WGMDB**
  - L2440 x W1220 x T18mm
  - wgt. 39.40kg

- 13 Ply 'Finnish' birch plywood
- 440gm Smooth white paintable exterior
- 220gm Smooth grey interior
- Cost effective
- All edges and holes must be sealed during fitment. Failure to do so can lead to delamination problems, due to water ingress
CBF Door Seals

We stock a large range of door seals manufactured exclusively for CBF, 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

RUSLCP/40/100B
wtg. 0.17kg per 100
- A: 40mm
- Black flexible PVC

RUSLCP/65/100B
wtg. 0.28kg per 100
- A: 65mm
- Black flexible PVC

RUSLCP/70/100G
wtg. 0.28kg per 100
- A: 70mm
- Grey flexible PVC

- All corner pieces are pre-cut and supplied in bags of 100
- It is recommended that a one-part or two-part cyanocrylate 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

Door Seal

18mm

RUSL18/5000/WB
wtg. 1.80kg
- Length: 5000mm
- Black flippers / white carrier
- CBF Door seals are manufactured from impact modified rigid PVC, the carriers are co-extruded with nitrile rubber / PVC seals

Door Seal

19mm

RUSL19/4000/WB
wtg. 1.48kg
- Length: 4000mm
- Black flippers / white carrier
- CBF Door seals are manufactured from impact modified rigid PVC, the carriers are co-extruded with nitrile rubber / PVC seals
**Door Seal**

19mm

**RUSL19/5000/WB**

- wgt. 1.85kg
- Length: 5000mm
- Black flippers / white carrier
- CBF Door seals are manufactured from impact modified rigid PVC, the carriers are co-extruded with nitrile rubber / PVC seals

**Door Capping**

19mm

**RUSL19/3000/CAP/W**

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

**Door Seal**

21mm

**RUSL21/5000/WB**

- wgt. 1.90kg
- Length: 5000mm
- Black flippers / white carrier
- CBF Door seals are manufactured from impact modified rigid PVC, the carriers are co-extruded with nitrile rubber / PVC seals

**Door Seal**

27mm

**RUSL27/5000/WB**

- wgt. 2.10kg
- Length: 5000mm
- Black flippers / white carrier
- CBF Door seals are manufactured from impact modified rigid PVC, the carriers are co-extruded with nitrile rubber / PVC seals
Door Seal
30mm

**RUSL30/5000/GG**
wgt. 2.40kg

- Length: 5000mm
- Grey flippers / grey carrier
- Commonly used in refrigerated applications
- CBF Door seals are manufactured from impact modified rigid PVC, the carriers are co-extruded with nitrile rubber / PVC seals

Door Seal
42mm

**RUSL42/5000/GG**
wgt. 2.60kg

- Length: 5000mm
- Grey flippers / grey carrier
- Commonly used in refrigerated applications
- CBF Door seals are manufactured from impact modified rigid PVC, the carriers are co-extruded with nitrile rubber / PVC seals

Door Seal
55mm

**RUSL55/5000/GG**
wgt. 3.10kg

- Length: 5000mm
- Grey flippers / grey carrier
- Commonly used in refrigerated applications
- CBF Door seals are manufactured from impact modified rigid PVC, the carriers are co-extruded with nitrile rubber / PVC seals

Door Seal
55mm

**RUSL55/5000/WB**
wgt. 3.10kg

- Length: 5000mm
- Black flippers / white carrier
- Commonly used in refrigerated applications
- CBF Door seals are manufactured from impact modified rigid PVC, the carriers are co-extruded with nitrile rubber / PVC seals
Door Seal
55mm

**RUSL55/5000/WG**
wgt. 2.90kg

- Length: 5000mm
- Grey flippers / white carrier
- Commonly used in refrigerated applications
- CBF Door seals are manufactured from impact modified rigid PVC, the carriers are co-extruded with nitrile rubber / PVC seals

Door Capping
55mm

**RUSL55/5000/CAP/W**
wgt. 2.90kg

- Length: 5000mm
- White capping (no flippers)
- Commonly used in refrigerated applications
- CBF Door seals are manufactured from impact modified rigid PVC, the carriers are co-extruded with nitrile rubber / PVC seals

Door Seal
65mm

**RUSL65/5000/WB**
wgt. 3.60kg

- Length: 5000mm
- Black flippers / white carrier
- Commonly used in refrigerated applications
- CBF Door seals are manufactured from impact modified rigid PVC, the carriers are co-extruded with nitrile rubber / PVC seals

Door Seal
65mm

**RUSL65/5000/GG**
wgt. 3.60kg

- Length: 5000mm
- Grey flippers / grey carrier
- Commonly used in refrigerated applications
- CBF Door seals are manufactured from impact modified rigid PVC, the carriers are co-extruded with nitrile rubber / PVC seals
**Door Seal**

83mm

**RUSL83/5000/WB**

- Length: 5000mm
- Black flippers / white carrier
- Commonly used in refrigerated applications
- CBF Door seals are manufactured from impact modified rigid PVC, the carriers are co-extruded with nitrile rubber / PVC seals

**RUSL83/5000/GG**

- Length: 5000mm
- Grey flippers / grey carrier
- Commonly used in refrigerated applications
- CBF Door seals are manufactured from impact modified rigid PVC, the carriers are co-extruded with nitrile rubber / PVC seals

**Door Seal**

85mm

**RUSL85/5000/GG**

- Length: 5000mm
- Grey flippers / grey carrier
- Commonly used in refrigerated applications
- CBF Door seals are manufactured from impact modified rigid PVC, the carriers are co-extruded with nitrile rubber / PVC seals

**Rain Guard Strip**

J Section

**RUSL1136/2550B**

- L2550 x W25 x D16mm
- Black rigid carrier / flexible flipper
- Diverts water away from the top edge of doors
'Mini' Droplock Fastener
Weld-on
Zinc Plated

DROP74
wgt. 0.03kg
- 12.5mm Neck
- 8 x 10mm Threaded shank
- Suits 6mm ironwork

Droplock Fastener
Weld-on / Bolt-on
Zinc Plated

DROP43
wgt. 0.08kg
- 19mm Neck
- 12mm Square plain shank
- M8 Tapped hole in base of shank
- Suits 6mm ironwork

Droplock Fastener
Weld-on
Zinc Plated

DROP32
wgt. 0.09kg
- 19mm Neck
- 12 x 12mm Plain shank
- Suits 6mm ironwork

Droplock Fastener
Weld-on
Zinc Plated

DROP65
wgt. 0.12kg
- 19mm Neck
- 12 x 9mm Plain shank
- Suits 22mm ironwork
'Mini' Droplock Fastener
Bolt-on
Zinc Plated

DROP85
wgt. 0.04kg
- 12.5mm Neck
- 21mm Threaded shank
- M8 Thread
- Supplied with nyloc nut and washer
- Suits 6mm ironwork

DROP85/SS
wgt. 0.04kg
- 12.5mm Neck
- 21mm Threaded shank
- M8 Thread
- Supplied with nyloc nut and washer
- Suits 6mm ironwork

DROP85/3010
wgt. 0.06kg
- 12.5mm Neck
- 30mm Threaded shank
- M10 Thread
- Suits 6mm ironwork

DROP85/38
wgt. 0.05kg
- 12.5mm Neck
- 38mm Threaded shank
- M8 Thread
- Supplied with nyloc nut and washer
- Suits 6mm ironwork

DROP85/38SS
wgt. 0.05kg
- 12.5mm Neck
- 38mm Threaded shank
- M8 Thread
- Supplied with nyloc nut and 2 washers
- Suits 6mm ironwork

'Mini' Droplock Fastener
Bolt-on
304G Stainless Steel

DROP85/3010
wgt. 0.06kg
- 12.5mm Neck
- 30mm Threaded shank
- M10 Thread
- Suits 6mm ironwork

DROP85/38SS
wgt. 0.05kg
- 12.5mm Neck
- 38mm Threaded shank
- M8 Thread
- Supplied with nyloc nut and 2 washers
- Suits 6mm ironwork
DROP45
wgt. 0.09kg
- 19mm Neck
- 24mm Threaded shank
- 12 x 12mm Square shoulder
- M12 Thread
- Suits 4.5mm ironwork
- Nyloc nut to suit: DROPM12/ZP

DROP63
wgt. 0.09kg
- 19mm Neck
- 26mm Threaded shank
- M12 Thread
- Suits 6mm ironwork
- Nyloc nut to suit: DROPM12/ZP

DROP63/M12/ZP
wgt. 0.10kg
- 19mm Neck
- 26mm Threaded shank
- M12 Thread
- Suits 6mm ironwork
- Supplied complete with M12 nyloc nut

DROP63/SS
wgt. 0.09kg
- 19mm Neck
- 26mm Threaded shank
- M12 Thread
- Suits 6mm ironwork
- Nyloc nut to suit: DROPM12/SS

DROP75
wgt. 0.11kg
- 19mm Neck
- 34mm Threaded shank
- M12 Thread
- Suits 6mm ironwork
- Nyloc nut to suit: DROPM12/ZP
**DROP84**

**wgt. 0.18kg**

- 19mm Neck
- 22mm Threaded shank
- Spring loaded
- M12 Thread
- Suits 19mm I.D. tubular side rail and 8 to 12mm ironwork
- For use with DROP84/EYE/SC

**DROP84/EYE/SC**

**wgt. 0.23kg**

- Generally used on brewery delivery vehicles incorporating side rails
- For use with DROP84

**DROP75/M12/ZP**

**wgt. 0.12kg**

- 19mm Neck
- 34mm Threaded shank
- M12 Thread
- Suits 6mm ironwork
- Supplied complete with M12 nyloc nut

**DROP89**

**wgt. 0.13kg**

- 19mm Neck
- 34mm Threaded shank
- M12 Thread
- Suits 14mm ironwork
- Nyloc nut to suit: DROPM12/ZP

**DROP89/45**

**wgt. 0.13kg**

- 19mm Neck
- 45mm Threaded shank
- M12 Thread
- Suits 14mm ironwork
- Nyloc nut to suit: DROPM12/ZP

**'Brewery' Droplock Fastener**

**Bolt-on**

**CP350 Surface Coated**

- DROP84

**'Brewery' Eye Plate**

**Weld-on**

**Self Colour**

- DROP84/EYE/SC
### DROPLOCKS

**Droplock Fastener**

**Bolt-on**

**Zinc Plated**

**DROP25**
- wgt. 0.14kg
- 19mm Neck
- 76mm Threaded shank
- M12 Thread
- Supplied with nyloc nut and washer
- Suits 6mm ironwork

**DROP32/PLATE/ZP**
- wgt. 0.19kg
- **Plate**
  - L75 x W40 x T5mm
  - 2 x 6.5mm Countersunk fixing holes
- **Droplock (welded to plate)**
  - 19mm Neck
  - Suits 6mm ironwork

**DROP44**
- wgt. 0.14kg
- 19mm Neck
- 76mm Threaded shank
- M12 Thread
- 4.5 x 65mm Slotted keyway
- Supplied with nyloc nut and drilled washer
- alleviates rotation issues
- Suits 6mm ironwork

**Droplock Spacing Washers**

**Zinc Plated**

**DROP3254/RD**
- wgt. 0.31kg
- 200 Per pack
- 1mm Thick
- Suits all M12 threaded Droplocks

**Nyloc Nut**
- 304G Stainless Steel / Zinc Plated

**DROP30/SLZP**
- wgt. 0.06kg
- Tapered neck - ø16 to ø18mm
- 22mm Threaded shank
- M12 Thread
- Suits 6.5mm ironwork
**Eyeplate**
Self Colour & Zinc Plated

- **AEYE70/05SC**
  - wgt. 0.28kg
  - Self colour
  - Thickness: 5mm

- **AEYE70/06SC**
  - wgt. 0.33kg
  - Self colour
  - Thickness: 6mm

- **AEYE70/05ZP**
  - wgt. 0.28kg
  - Zinc plated
  - Thickness: 5mm

- **AEYE70/06ZP**
  - wgt. 0.33kg
  - Zinc plated
  - Thickness: 6mm

**Eyeplate**
Self Colour & Zinc Plated

- **AEYE11/08SC**
  - wgt. 0.58kg
  - Self colour
  - Thickness: 8mm

- **AEYE11/08ZP**
  - wgt. 0.58kg
  - Zinc plated
  - Thickness: 8mm

**Eyeplate**
Aluminium with Steel Bush

- **AALL3113**
  - wgt. 0.22kg
  - Aluminium with steel bush
  - Thickness: 9.5mm
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).

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**Single Core Auto Cable**
Thin Wall

500 Metre drums available on request

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Sheath Colour</th>
<th>Conductor Specification (mm)</th>
<th>Conductor Cross Section (mm²)</th>
<th>Nominal Current Rating (Amps)</th>
<th>Maximum Overall Dia. of Cable (mm)</th>
<th>Maximum Loading (Watts)</th>
<th>Resistance per Metre at 20°C (Ohms)</th>
<th>Roll Length (Metres)</th>
<th>Weight (kgs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CABLTW1.0/100BLK</td>
<td>Black</td>
<td>32/0.20</td>
<td>1.0</td>
<td>16.5</td>
<td>2.1</td>
<td>198, 396</td>
<td>0.01850</td>
<td>100</td>
<td>1.16</td>
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<td>CABLTW1.0/100BLU</td>
<td>Blue</td>
<td>32/0.20</td>
<td>1.0</td>
<td>16.5</td>
<td>2.1</td>
<td>198, 396</td>
<td>0.01850</td>
<td>100</td>
<td>1.16</td>
</tr>
<tr>
<td>CABLTW1.0/100RED</td>
<td>Red</td>
<td>32/0.20</td>
<td>1.0</td>
<td>16.5</td>
<td>2.1</td>
<td>198, 396</td>
<td>0.01850</td>
<td>100</td>
<td>1.16</td>
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<tr>
<td>CABLTW1.0/100WHT</td>
<td>White</td>
<td>32/0.20</td>
<td>1.0</td>
<td>16.5</td>
<td>2.1</td>
<td>198, 396</td>
<td>0.01850</td>
<td>100</td>
<td>1.16</td>
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<tr>
<td>CABLTW2.0/100BLK</td>
<td>Black</td>
<td>28/0.30</td>
<td>2.0</td>
<td>25.0</td>
<td>2.8</td>
<td>300, 600</td>
<td>0.00942</td>
<td>100</td>
<td>2.22</td>
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<tr>
<td>CABLTW2.0/100RED</td>
<td>Red</td>
<td>28/0.30</td>
<td>2.0</td>
<td>25.0</td>
<td>2.8</td>
<td>300, 600</td>
<td>0.00942</td>
<td>100</td>
<td>2.22</td>
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<tr>
<td>CABLTW3.0/100BLK</td>
<td>Black</td>
<td>44/0.30</td>
<td>3.0</td>
<td>33.0</td>
<td>3.4</td>
<td>396, 792</td>
<td>0.00600</td>
<td>100</td>
<td>3.35</td>
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<tr>
<td>CABLTW3.0/100RED</td>
<td>Red</td>
<td>44/0.30</td>
<td>3.0</td>
<td>33.0</td>
<td>3.4</td>
<td>396, 792</td>
<td>0.00600</td>
<td>100</td>
<td>3.35</td>
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<tr>
<td>CABLTW4.5/100BLK</td>
<td>Black</td>
<td>65/0.30</td>
<td>4.5</td>
<td>42.0</td>
<td>4.1</td>
<td>504, 1008</td>
<td>0.00406</td>
<td>100</td>
<td>4.39</td>
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<tr>
<td>CABLTW4.5/100RED</td>
<td>Red</td>
<td>65/0.30</td>
<td>4.5</td>
<td>42.0</td>
<td>4.1</td>
<td>504, 1008</td>
<td>0.00406</td>
<td>100</td>
<td>4.39</td>
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### Twin Core Auto Cable (Flat Twin)
**Thin Wall**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Sheath Colour</th>
<th>Core Colours</th>
<th>Conductor Specification</th>
<th>Conductor Cross Section</th>
<th>Nominal Current Rating</th>
<th>Maximum Overall Dia. of Cable</th>
<th>Roll Length (Metres)</th>
<th>Weight (kgs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CABLTW02/06/30BRB</td>
<td>Black</td>
<td>Black/Red</td>
<td>2 x 16/0.20</td>
<td>2 x 0.50</td>
<td>11.0</td>
<td>2.7 x 4.6</td>
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<tr>
<td>CABLTW02/06/100BRB</td>
<td>Black</td>
<td>Black/Red</td>
<td>2 x 16/0.20</td>
<td>2 x 0.50</td>
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<td>2.7 x 4.6</td>
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</tr>
<tr>
<td>CABLTW02/04/30BRB</td>
<td>Black</td>
<td>Black/Red</td>
<td>2 x 24/0.20</td>
<td>2 x 0.75</td>
<td>14.0</td>
<td>3.1 x 4.9</td>
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<tr>
<td>CABLTW02/04/100BRB</td>
<td>Black</td>
<td>Black/Red</td>
<td>2 x 24/0.20</td>
<td>2 x 0.75</td>
<td>14.0</td>
<td>3.1 x 4.9</td>
<td>100</td>
<td>3.50</td>
</tr>
<tr>
<td>CABLTW02/01/30BRB</td>
<td>Black</td>
<td>Black/Red</td>
<td>2 x 32/0.20</td>
<td>2 x 1.00</td>
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<td>3.0 x 5.0</td>
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<tr>
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<td>Black/Red</td>
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<td>2 x 1.00</td>
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<td>3.0 x 5.0</td>
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</tr>
<tr>
<td>CABLTW02/01/100BBRW</td>
<td>Black</td>
<td>Brown/White</td>
<td>2 x 32/0.20</td>
<td>2 x 1.00</td>
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<td>3.70</td>
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<tr>
<td>CABLTW02/02/30BRB</td>
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<td>Black/Red</td>
<td>2 x 28/0.30</td>
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<td>Black/Red</td>
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<td>Black</td>
<td>Black/Red</td>
<td>2 x 44/0.30</td>
<td>2 x 3.00</td>
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<td>4.3 x 7.5</td>
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<td>8.98</td>
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</table>

### 3 Core Auto Cable
**Thin Wall**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Sheath Colour</th>
<th>Core Colours</th>
<th>Conductor Specification</th>
<th>Conductor Cross Section</th>
<th>Nominal Current Rating</th>
<th>Maximum Overall Dia. of Cable</th>
<th>Roll Length (Metres)</th>
<th>Weight (kgs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CABLTW03/03/30B</td>
<td>Black</td>
<td>Black/Green/Red</td>
<td>3 x 24/0.20</td>
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<tr>
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<td>Black</td>
<td>Black/Green/Red</td>
<td>3 x 24/0.20</td>
<td>3 x 0.75</td>
<td>14.0</td>
<td>5.7</td>
<td>100</td>
<td>3.50</td>
</tr>
<tr>
<td>CABLTW03/01/30B</td>
<td>Black</td>
<td>Black/Green/Red</td>
<td>3 x 32/0.20</td>
<td>3 x 1.00</td>
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<td>Black/Green/Red</td>
<td>3 x 32/0.20</td>
<td>3 x 1.00</td>
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<td>5.7</td>
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</table>

### 4 Core Auto Cable
**Thin Wall**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Sheath Colour</th>
<th>Core Colours</th>
<th>Conductor Specification</th>
<th>Conductor Cross Section</th>
<th>Nominal Current Rating</th>
<th>Maximum Overall Dia. of Cable</th>
<th>Roll Length (Metres)</th>
<th>Weight (kgs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CABLTW04/01/30B</td>
<td>Black</td>
<td>Brown/Green/Red/White</td>
<td>4 x 32/0.20</td>
<td>4 x 1.00</td>
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<td>2.18</td>
</tr>
<tr>
<td>CABLTW04/01/100B</td>
<td>Black</td>
<td>Brown/Green/Red/White</td>
<td>4 x 32/0.20</td>
<td>4 x 1.00</td>
<td>16.5</td>
<td>5.8</td>
<td>100</td>
<td>7.27</td>
</tr>
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</table>
5 Core Auto Cable
Thin Wall

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Sheath Colour</th>
<th>Core Colours</th>
<th>Conductor Specification (mm)</th>
<th>Conductor Cross Section (mm²)</th>
<th>Nominal Current Rating (Amps)</th>
<th>Maximum Overall Dia. of Cable (mm)</th>
<th>Roll Length (Metres)</th>
<th>Weight (kgs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CABLT05/01/30B</td>
<td>Black</td>
<td>Brown/Green/Red/White/Yellow</td>
<td>5 x 32/0.20</td>
<td>5 x 1.00</td>
<td>16.5</td>
<td>6.3</td>
<td>30</td>
<td>2.47</td>
</tr>
<tr>
<td>CABLT05/01/100B</td>
<td>Black</td>
<td>Brown/Green/Red/White/Yellow</td>
<td>5 x 32/0.20</td>
<td>5 x 1.00</td>
<td>16.5</td>
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7 Core Auto Cable
Thin Wall

<table>
<thead>
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<th>Part No.</th>
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<th>Core Colours</th>
<th>Conductor Specification (mm)</th>
<th>Conductor Cross Section (mm²)</th>
<th>Nominal Current Rating (Amps)</th>
<th>Maximum Overall Dia. of Cable (mm)</th>
<th>Roll Length (Metres)</th>
<th>Weight (kgs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CABLT07/01/30B</td>
<td>Black</td>
<td>Black/Blue/Brown/Green/Red/White/Yellow</td>
<td>7 x 24/0.20</td>
<td>7 x 0.75</td>
<td>14.0</td>
<td>6.8</td>
<td>30</td>
<td>2.87</td>
</tr>
<tr>
<td>CABLT07/01/100B</td>
<td>Black</td>
<td>Black/Blue/Brown/Green/Red/White/Yellow</td>
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<td>CABLT07/02/30B</td>
<td>Black</td>
<td>Black/Blue/Brown/Green/Red/White/Yellow</td>
<td>6 x 32/0.20 1 x 28/0.30</td>
<td>6 x 1.0 1 x 2.0</td>
<td>16.5 25.0</td>
<td>8.3</td>
<td>30</td>
<td>3.87</td>
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<tr>
<td>CABLT07/02/100B</td>
<td>Black</td>
<td>Black/Blue/Brown/Green/Red/White/Yellow</td>
<td>6 x 32/0.20 1 x 28/0.30</td>
<td>6 x 1.0 1 x 2.0</td>
<td>16.5 25.0</td>
<td>8.3</td>
<td>100</td>
<td>12.82</td>
</tr>
</tbody>
</table>

'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

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Sheath Colour</th>
<th>Conductor Specification (mm)</th>
<th>Conductor Cross Section (mm²)</th>
<th>Nominal Current Rating (Amps)</th>
<th>Maximum Overall Dia. of Cable (mm)</th>
<th>Roll Length (Metres)</th>
<th>Weight (kgs)</th>
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</thead>
<tbody>
<tr>
<td>CABLPVC16/100B</td>
<td>Black</td>
<td>206/0.30</td>
<td>16</td>
<td>110</td>
<td>8.30</td>
<td>100</td>
<td>18.34</td>
</tr>
<tr>
<td>CABLPVC16/100R</td>
<td>Red</td>
<td>206/0.30</td>
<td>16</td>
<td>110</td>
<td>8.30</td>
<td>100</td>
<td>18.34</td>
</tr>
<tr>
<td>CABLPVC25/30B</td>
<td>Black</td>
<td>322/0.30</td>
<td>25</td>
<td>170</td>
<td>10.10</td>
<td>30</td>
<td>9.00</td>
</tr>
<tr>
<td>CABLPVC25/30R</td>
<td>Red</td>
<td>322/0.30</td>
<td>25</td>
<td>170</td>
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<td>30</td>
<td>9.00</td>
</tr>
<tr>
<td>CABLPVC35/30B</td>
<td>Black</td>
<td>451/0.30</td>
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<td>11.80</td>
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<td>11.77</td>
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<tr>
<td>CABLPVC35/30R</td>
<td>Red</td>
<td>451/0.30</td>
<td>35</td>
<td>240</td>
<td>11.80</td>
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<td>11.77</td>
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<td>40</td>
<td>300</td>
<td>12.70</td>
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<td>13.29</td>
</tr>
<tr>
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<td>539/0.30</td>
<td>40</td>
<td>300</td>
<td>12.70</td>
<td>30</td>
<td>13.29</td>
</tr>
<tr>
<td>CABLPVC50/30B</td>
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<td>345</td>
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</tr>
<tr>
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<td>640/0.30</td>
<td>50</td>
<td>345</td>
<td>13.50</td>
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<td>16.00</td>
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<tr>
<td>CABLPVC60/30B</td>
<td>Black</td>
<td>805/0.30</td>
<td>60</td>
<td>415</td>
<td>15.00</td>
<td>30</td>
<td>18.66</td>
</tr>
<tr>
<td>CABLPVC60/30R</td>
<td>Red</td>
<td>805/0.30</td>
<td>60</td>
<td>415</td>
<td>15.00</td>
<td>30</td>
<td>18.66</td>
</tr>
<tr>
<td>CABLPVC70/30B</td>
<td>Black</td>
<td>905/0.30</td>
<td>70</td>
<td>485</td>
<td>15.40</td>
<td>30</td>
<td>21.87</td>
</tr>
<tr>
<td>CABLPVC70/30R</td>
<td>Red</td>
<td>905/0.30</td>
<td>70</td>
<td>485</td>
<td>15.40</td>
<td>30</td>
<td>21.87</td>
</tr>
</tbody>
</table>

Suzy Cable
3 & 5 Core

CABL3/075/500
wgt. 0.27kg
- 3 Core
- L500 x ø27mm Closed coil
- 60 Coils
- 2 x 100mm Tails

CABL5/075/470
wgt. 0.28kg
- 5 Core
- L470 x ø23mm Closed coil
- 60 Coils
- 2 x 250mm Tails
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 UL94V2
- Tensile strength: MIL 23190 E
- Temperature range: -40°C to +85°C

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Length (mm)</th>
<th>Width (mm)</th>
<th>Quantity per Pack</th>
<th>Colour</th>
<th>Weight per Pack (kgs)</th>
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<tbody>
<tr>
<td>CABLHFC100/BLK</td>
<td>100</td>
<td>2.50</td>
<td>100</td>
<td>Black</td>
<td>0.03</td>
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<td>140</td>
<td>3.60</td>
<td>100</td>
<td>Black</td>
<td>0.07</td>
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<tr>
<td>CABLHFC160/BLK</td>
<td>160</td>
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<td>100</td>
<td>Black</td>
<td>0.11</td>
</tr>
<tr>
<td>CABLHFC200/BLK</td>
<td>200</td>
<td>4.80</td>
<td>100</td>
<td>Black</td>
<td>0.15</td>
</tr>
<tr>
<td>CABLHFC240H/BLK</td>
<td>240</td>
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<td>100</td>
<td>Black</td>
<td>0.40</td>
</tr>
<tr>
<td>CABLHFC300/BLK</td>
<td>300</td>
<td>4.80</td>
<td>100</td>
<td>Black</td>
<td>0.22</td>
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<tr>
<td>CABLHFC365/BLK</td>
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<td>710</td>
<td>9.00</td>
<td>100</td>
<td>Black</td>
<td>1.34</td>
</tr>
</tbody>
</table>

Small Cable Tie Base
Self Adhesive

- CABLHFC1/4BLK
  - wgt. 0.14kg
  - L20 x W20mm
  - Black
  - 4 Way entry
  - Maximum tie width: 4.0mm
  - Supplied in packs of 100

Large Cable Tie Base
Self Adhesive

- CABLHFC2/4BLK
  - wgt. 0.17kg
  - L28 x W28mm
  - Black
  - 4 Way entry
  - Maximum tie width: 5.0mm
  - Supplied in packs of 100

Cable Ties
Releasable

- CABLDE863220/S
  - wgt. 0.12kg
  - L300 x W6mm
  - Black
  - Material: Polyamide 6.6 heat stabilised
  - Flame resistance in accordance with UL94V2
  - Supplied in packs of 50
  - Minimum tensile strength: 135N
  - Temperature range: -40°C to +105°C

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
PVC Insulation Tape
Self Adhesive

**CABLTAPE/BLACK**
- **Black**
- **wgt. 0.08kg**
- 20 Metre rolls
- W19 x T0.15mm
- Flame retardant - BS EN60454-2

**CABLTAPE/RED**
- **Red**
- **wgt. 0.08kg**
- 20 Metre rolls
- W19 x T0.15mm
- Flame retardant - BS EN60454-2

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

**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

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Inside Dia. before Heating (mm)</th>
<th>Inside Dia. after Heating (mm)</th>
<th>Wall Thickness after Heating (mm)</th>
<th>Colour</th>
<th>Length (mm)</th>
<th>Quantity (per bag)</th>
</tr>
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<tbody>
<tr>
<td>CABLHR6/64/15</td>
<td>6.4</td>
<td>3.2</td>
<td>0.6</td>
<td>Black</td>
<td>150</td>
<td>15</td>
</tr>
<tr>
<td>CABLHR7/95/15</td>
<td>9.5</td>
<td>4.8</td>
<td>0.6</td>
<td>Black</td>
<td>150</td>
<td>15</td>
</tr>
<tr>
<td>CABLHR8/127/10</td>
<td>12.7</td>
<td>6.4</td>
<td>0.6</td>
<td>Black</td>
<td>150</td>
<td>10</td>
</tr>
</tbody>
</table>

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

**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

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Inside Dia. before Heating (mm)</th>
<th>Inside Dia. after Heating (mm)</th>
<th>Wall Thickness after Heating (mm)</th>
<th>Colour</th>
<th>Length (mm)</th>
</tr>
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<tbody>
<tr>
<td>CABLHA3/60/1</td>
<td>6.0</td>
<td>2.0</td>
<td>1.2</td>
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<tr>
<td>CABLHA4/90/1</td>
<td>9.0</td>
<td>3.0</td>
<td>1.4</td>
<td>Black</td>
<td>1220</td>
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<tr>
<td>CABLHA5/120/1</td>
<td>12.0</td>
<td>4.0</td>
<td>1.7</td>
<td>Black</td>
<td>1220</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Outside Dia. (mm)</th>
<th>Inside Dia. (mm)</th>
<th>Minimum Bending Radius (mm)</th>
<th>Weight per roll (kgs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CABL/FCT710</td>
<td>9.9</td>
<td>6.9</td>
<td>15</td>
<td>0.62</td>
</tr>
<tr>
<td>CABL/FCT1115</td>
<td>15.6</td>
<td>12.0</td>
<td>20</td>
<td>1.10</td>
</tr>
<tr>
<td>CABL/FCT1317</td>
<td>15.8</td>
<td>12.9</td>
<td>22</td>
<td>1.12</td>
</tr>
<tr>
<td>CABL/FCT1418</td>
<td>18.3</td>
<td>14.5</td>
<td>25</td>
<td>1.35</td>
</tr>
<tr>
<td>CABL/FCT1621</td>
<td>21.0</td>
<td>16.8</td>
<td>30</td>
<td>1.55</td>
</tr>
<tr>
<td>CABL/FCT23</td>
<td>28.0</td>
<td>23.7</td>
<td>42</td>
<td>2.50</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Outside Dia. (mm)</th>
<th>Inside Dia. (mm)</th>
<th>Minimum Bending Radius (mm)</th>
<th>Weight per roll (kgs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CABL/FCT710</td>
<td>9.9</td>
<td>6.9</td>
<td>15</td>
<td>0.62</td>
</tr>
<tr>
<td>CABL/FCT1013</td>
<td>12.7</td>
<td>10.1</td>
<td>18</td>
<td>0.94</td>
</tr>
<tr>
<td>CABL/FCT1115</td>
<td>15.6</td>
<td>12.0</td>
<td>20</td>
<td>1.10</td>
</tr>
<tr>
<td>CABL/FCT1317</td>
<td>15.8</td>
<td>12.9</td>
<td>22</td>
<td>1.12</td>
</tr>
<tr>
<td>CABL/FCT1621</td>
<td>21.0</td>
<td>16.8</td>
<td>30</td>
<td>1.55</td>
</tr>
</tbody>
</table>
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
![2 Way Female Connector](image)

**CABLSS2F**
wgt. 0.01kg
- Suitable for cable sizes: 0.5mm² to 1.5mm²

**CABLSS2M**
wgt. 0.01kg
- Suitable for cable sizes: 0.5mm² to 1.5mm²

### 2 Way Male
![2 Way Male Connector](image)

### 3 Way Female
![3 Way Female Connector](image)

**CABLSS3F**
wgt. 0.01kg
- Suitable for cable sizes: 0.5mm² to 1.5mm²

**CABLSS3M**
wgt. 0.01kg
- Suitable for cable sizes: 0.5mm² to 1.5mm²

### 3 Way Male
![3 Way Male Connector](image)

### 4 Way Female
![4 Way Female Connector](image)

**CABLSS4F**
wgt. 0.01kg
- Suitable for cable sizes: 0.5mm² to 1.5mm²

**CABLSS4M**
wgt. 0.01kg
- Suitable for cable sizes: 0.5mm² to 1.5mm²
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 0.5mm² to 1.5mm²
- Blue insulation: conductor size 1.5mm² to 2.5mm²

### Ring Terminals - Pre-Insulated
Bolt-on

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Insulation Colour</th>
<th>Ring Size (mm)</th>
<th>Pack Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>CABLBR64</td>
<td>Blue</td>
<td>ø6.0</td>
<td>100</td>
</tr>
<tr>
<td>CABLBR84</td>
<td>Blue</td>
<td>ø8.0</td>
<td>100</td>
</tr>
</tbody>
</table>

### Male Tabs - Pre-Insulated
Vibration Resistant

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Tab Thickness (mm)</th>
<th>Tab Size (mm)</th>
<th>Insulation Colour</th>
<th>Pack Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>CABLBM63/VR</td>
<td>0.8</td>
<td>6.3</td>
<td>Blue</td>
<td>100</td>
</tr>
<tr>
<td>CABLRM63/VR</td>
<td>0.8</td>
<td>6.3</td>
<td>Red</td>
<td>100</td>
</tr>
</tbody>
</table>

### Female Tab Receptacle - Pre-Insulated
Vibration Resistant

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Insulation Colour</th>
<th>Tab Size (mm)</th>
<th>Tab Thickness (mm)</th>
<th>Pack Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>CABLB66/08/VR</td>
<td>Blue</td>
<td>6.3</td>
<td>0.8</td>
<td>100</td>
</tr>
<tr>
<td>CABLR66/08/VR</td>
<td>Red</td>
<td>6.3</td>
<td>0.8</td>
<td>100</td>
</tr>
</tbody>
</table>

### Male Piggy Back Tabs - Pre-Insulated
Vibration Resistant

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Insulation Colour</th>
<th>Tab Size (mm)</th>
<th>Tab Thickness (mm)</th>
<th>Pack Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>CABLBP63/VR</td>
<td>Blue</td>
<td>6.3</td>
<td>0.8</td>
<td>100</td>
</tr>
<tr>
<td>CABLRPB63/VR</td>
<td>Red</td>
<td>6.3</td>
<td>0.8</td>
<td>100</td>
</tr>
</tbody>
</table>
## Female Tab Receptacle - Fully-Insulated
Vibration Resistant

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Male Tab Size (mm)</th>
<th>Male Tab Thickness (mm)</th>
<th>Insulation Colour</th>
<th>Pack Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>CABLBF66/FI/VR</td>
<td>6.3</td>
<td>0.8</td>
<td>Blue</td>
<td>100</td>
</tr>
<tr>
<td>CABLRF66/FI/VR</td>
<td>6.3</td>
<td>0.8</td>
<td>Red</td>
<td>100</td>
</tr>
</tbody>
</table>

## Male Bullets - Pre-Insulated
Vibration Resistant

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Bullet Dia. (mm)</th>
<th>Insulation Colour</th>
<th>Pack Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>CABLBMB50/VR</td>
<td>5.0</td>
<td>Blue</td>
<td>100</td>
</tr>
<tr>
<td>CABLRMB40/VR</td>
<td>4.0</td>
<td>Red</td>
<td>100</td>
</tr>
</tbody>
</table>

## Female Bullets Receptacle - Fully-Insulated
Vibration Resistant

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Male Bullet Dia. (mm)</th>
<th>Insulation Colour</th>
<th>Pack Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>CABLBF50/VR</td>
<td>5.0</td>
<td>Blue</td>
<td>100</td>
</tr>
<tr>
<td>CABLRFB40/VR</td>
<td>4.0</td>
<td>Red</td>
<td>100</td>
</tr>
</tbody>
</table>

## Butt Connectors
Fully-Insulated

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Internal Dia. (mm)</th>
<th>Insulation Colour</th>
<th>Pack Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>CABLBB45</td>
<td>5.0</td>
<td>Blue</td>
<td>100</td>
</tr>
<tr>
<td>CABLRBC4</td>
<td>4.0</td>
<td>Red</td>
<td>100</td>
</tr>
</tbody>
</table>

## Heat Shrink Butt Connectors

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Suitable for Cables (mm²)</th>
<th>Insulation Colour</th>
<th>Pack Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>CABLHT207/RED</td>
<td>0.5 to 1.5</td>
<td>Red</td>
<td>100</td>
</tr>
<tr>
<td>CABLHT208/BLUE</td>
<td>1.5 to 2.5</td>
<td>Blue</td>
<td>100</td>
</tr>
<tr>
<td>CABLHT209/YELL</td>
<td>3.0 to 6.0</td>
<td>Yellow</td>
<td>100</td>
</tr>
</tbody>
</table>

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 100
- All terminals feature an inspection hole
- Suitable for crimping or soldering
- Manufactured from tinned copper
- Other sizes available upon request

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Suitable for Cables (mm²)</th>
<th>Entry Cable (mm)</th>
<th>Stud Hole Size (mm)</th>
<th>Length (mm)</th>
<th>Width (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CABLCTT16/6</td>
<td>16</td>
<td>5.5</td>
<td>6</td>
<td>30.0</td>
<td>10.8</td>
</tr>
<tr>
<td>CABLCTT16/8</td>
<td>8</td>
<td>8</td>
<td>30.0</td>
<td>13.5</td>
<td></td>
</tr>
<tr>
<td>CABLCTT25/6</td>
<td>25</td>
<td>7.0</td>
<td>6</td>
<td>32.5</td>
<td>13.8</td>
</tr>
<tr>
<td>CABLCTT25/8</td>
<td>8</td>
<td>8</td>
<td>32.5</td>
<td>13.8</td>
<td></td>
</tr>
</tbody>
</table>

**Chassis Cable & Pipe Clip**

Grips ø6mm Cable

- Grips ø6mm cable
- Zinc plated
- Manufactured from carbon spring steel
- Supplied in packs of 250

**Cable & Pipe Clip**

Grips ø8mm Cable

- Grips ø8mm cable
- Manufactured from black nylon 6 material
- Supplied in packs of 100

**Cable Clip**

Grips ø4 to ø8mm Cable

- Grips ø4 - ø8mm cable
- Self-adhesive base - 19 x 16mm
- Manufactured from aluminium
- Supplied in packs of 250

**Cable Clip**

Grips ø10 to ø11mm Cable

- Grips ø10 - ø11mm cable
- Suits 4 - 7mm steel
- Manufactured from carbon spring steel
- Black painted
- Supplied in packs of 250

**CABL87187/250**

wgt. 1.00kg per 250

- Grips ø6mm cable
- Zinc plated
- Manufactured from carbon spring steel
- Supplied in packs of 250

**CABL87185/250**

wgt. 1.00kg per 250

- Grips ø8mm cable
- Zinc plated
- Manufactured from carbon spring steel
- Supplied in packs of 250

**CABLCPC25/100**

wgt. 0.048kg per 100

- Grips ø8mm cable
- Manufactured from black nylon 6 material
- Supplied in packs of 100

**CABLACC02/250**

wgt. 0.19kg per 250

- Grips ø4 - ø8mm cable
- Self-adhesive base - 19 x 16mm
- Manufactured from aluminium
- Supplied in packs of 250

**CABL1011/250**

wgt. 0.56kg per 250

- Grips ø10 - ø11mm cable
- Suits 4 - 7mm steel
- Manufactured from carbon spring steel
- Black painted
- Supplied in packs of 250

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Head Office: 01707 371161    Midlands Division: 0121 5200100    sales@cbf.uk.com  cbf.uk.com  101
**Mega Fuses**

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

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Rating (Amps)</th>
<th>Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>CABLMF100/10</td>
<td>100</td>
<td>Yellow</td>
</tr>
<tr>
<td>CABLMF125/10</td>
<td>125</td>
<td>Green</td>
</tr>
<tr>
<td>CABLMF150/10</td>
<td>150</td>
<td>Orange</td>
</tr>
<tr>
<td>CABLMF175/10</td>
<td>175</td>
<td>White</td>
</tr>
<tr>
<td>CABLMF200/10</td>
<td>200</td>
<td>Blue</td>
</tr>
<tr>
<td>CABLMF225/10</td>
<td>225</td>
<td>Light Brown</td>
</tr>
<tr>
<td>CABLMF250/10</td>
<td>250</td>
<td>Pink</td>
</tr>
<tr>
<td>CABLMF300/10</td>
<td>300</td>
<td>Grey</td>
</tr>
<tr>
<td>CABLMF500/10</td>
<td>500</td>
<td>Brown</td>
</tr>
</tbody>
</table>

**Mega Fuse Holder**

- CABLFH569/1
  - wgt. 0.09kg
  - 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

**Blade Fuses**

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

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Rating (Amps)</th>
<th>Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>CABLFA05/50</td>
<td>5</td>
<td>Tan</td>
</tr>
<tr>
<td>CABLFA10/50</td>
<td>10</td>
<td>Red</td>
</tr>
<tr>
<td>CABLFA15/50</td>
<td>15</td>
<td>Blue</td>
</tr>
</tbody>
</table>

**Blade Fuse Holder**

- CABLFH445
  - wgt. 0.002kg
  - Supplied individually
  - Suitable for use with CABLFA blade fuses
  - Maximum: 30 amp
  - Cable conductor cross section: 3.3mm²
  - Fitted with a lid to prevent water ingress

**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

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Number of Fuses</th>
<th>Male Blade</th>
<th>Size W x H x D (mm)</th>
<th>Weight (kgs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LTMSFBB4L</td>
<td>4</td>
<td>4 x 6.3mm</td>
<td>45 x 35 x 85</td>
<td>0.06</td>
</tr>
<tr>
<td>LTMSFBB6L</td>
<td>6</td>
<td>6 x 6.3mm</td>
<td>65 x 35 x 85</td>
<td>0.08</td>
</tr>
<tr>
<td>LTMSFBB10L</td>
<td>10</td>
<td>10 x 6.3mm</td>
<td>95 x 35 x 85</td>
<td>0.10</td>
</tr>
</tbody>
</table>
**Junction Box**

8 Way

**LTMS/CB8/01**

wgt. 0.30kg

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

**Junction Box**

8 Way Mapped Circuitry

**LTMS120/01/02**

wgt. 0.34kg

- 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

**Weatherproof Junction Box**

Square

**LTMS607/5G**

wgt. 0.20kg

- 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
**2-Way Switch**

- LTMS/GW27833
- IP55 Rated
- W66 x H82 x D65mm
- Grey plastic
- 1 x Membrane gland

**LED Rocker Switch**

- LTMS133/12
- LTMS133/24
- On/Off
- 12v / 30amp
- 24v / 25amp
- Red LED indicator
- Single pole switch
- Suits 4mm panel thickness with ø12.2mm hole

**LED Rocker Switch**

- LTMS053105
- On/Off
- 12/24v
- 10 Amp
- Red LED indicator
- Single pole switch
- Snap fits into ø20mm panel hole

**Battery Master Switch**

- CABL/BIS-1
- 100 Amps
- 12/24v
- 10 Amp
- Red LED indicator
- Single pole switch
- Snap fits into ø20mm panel hole
- Supplied with 2 x removable keys
- Weatherproof seals
- 2 x M8 Studs

**Limit Switch**

- Snap or Slow Action
- ø6.5
- ø5.3
- ø7.3
- ø20mm
- ø5.3
- ø7.3
- ø44
- ø78
- ø141
- ø218
- ø30
- ø40
- ø60
- ø30
- ø40
- ø60
- ø78
- ø141
- ø218

**Batter Master Switch**

- CABLD/4BSN6100
- Zinc die-cast body
- Operating speed: 0.005mm - 2m/second
- 2 x ø7.3mm & 1 x ø5.3mm Fixing holes
- Earthing point
- Rising clamp terminals
- M20 Cable entry
- IP67 Rated
- Conforms to EN 50041
- Temperature range: -25°C to +80°C
- Full specification available upon request
2 Button Control Box
Mafelec

CABL8/1001/S
wgt. 0.13kg
- W110 x H62 x D54mm
- Genuine Mafelec product
- Two-way – ‘up’ & ‘down’
- Yellow and grey plastic

Recessed Panic Button
Emergency Stop Switch

LTMS9/01463
wgt. 0.07kg
- W125 x H125 x D43mm
- 304G Stainless steel pan, gasket & contact block
- Allows an engine or power supply to be shut down immediately
- Highly visible ‘punch’ button
- Switch is tested for make & break to 6 amps at 415 volts
- Suitable for 12-240 volts AC/DC with thermal current rating of 10 amps

Master PIR Sensor
5 Minute Timer

LTMSTSWP5PIR/12  12v
LTMSTSWP5PIR/2/24  24v
wgt. 0.22kg
- 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°C to +40°C
Dashboard Sounder
72dB

LTMS562/62/12
12v
wgt. 0.02kg
- Two terminal
- Single hole fixing
- Two tone
- 72dB
- Not suitable for exterior use

LTMS562/74/24
24v

Battery Connector
175 Amp

CABL6325G1/GREY
wgt. 0.11kg
- 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

7 Pin Plastic Plug

8JA001930003
wgt. 0.07kg
- 7 Screw contacts
- Maximum load: 16A at 12v (lead size 1.5mm²)
  25A at 12v (lead size 2.5mm²)

7 Pin Plastic Socket & Rubber Gasket Cover

8JB001943003
wgt. 0.08kg
- 7 Pin plastic socket
- 7 Screw contacts
- Spring loaded lid
- Maximum load: 16A at 12v (lead size 1.5mm²)
  25A at 12v (lead size 2.5mm²)

9GD735641151
wgt. 0.02kg
- Rubber gasket cover
- Suits 8JB001943003 7 pin socket
Round Interior Light  
**Surface Mounted**

**LTRF22758/DV**  
wgt. 0.18kg  
- ø155 x D16mm  
- 420 Lumens  
- Multi-voltage  
- IP67 Rated  
- 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

**Round Interior Light**  
PIR Sensor - Detects the movement of body heat to activate a 5 minute timer

**LTRF22777/PIR/DV**  
wgt. 0.19kg  
- 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

**Round Interior Light**  
**Surface Mounted**

**LTRF22781/DV**  
wgt. 0.25kg  
- 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

**Recessed Bezel**  
Converts Surface Mounted Lights into Recessed Mounted units

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

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Head Office: 01707 371161    Midlands Division: 0121 5200100    sales@cbf.uk.com  
cbf.uk.com
<table>
<thead>
<tr>
<th>Model</th>
<th>Type</th>
<th>Feature</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Oval Interior Light</strong></td>
<td>Surface Mounted</td>
<td>L235 x W125 x D13mm, 300 Lumens, Multi-voltage, IP67 Rated, Ultra-slim design, Frosted polycarbonate lens, 15 'Superbright' LED's, Temperature range: -30°C to +50°C, 90mm Fly lead, 3 Year warranty</td>
</tr>
<tr>
<td><strong>Rectangular Interior Light</strong></td>
<td>Surface &amp; Recess Mounted</td>
<td>L485 x W170 x D22mm, 1200 Lumens, Multi-voltage, IP67 Rated, Clear polycarbonate lens, 12 'Superbright' LED's, Temperature range: -30°C to +50°C, 420mm Fly lead, 3 Year warranty</td>
</tr>
<tr>
<td><strong>Awning Light</strong></td>
<td>Surface Mounted</td>
<td>L456 x W53 x D33mm, 300 Lumens, Multi-voltage, IP67 Rated, Frosted polycarbonate lens, 18 '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</td>
</tr>
<tr>
<td><strong>'GIANNA' Interior Strip Light</strong></td>
<td>Surface Mounted</td>
<td>L400 x W25 x D15.5mm, 520 Lumens, Multi-voltage, IP67 Rated, Ultra-slim design, Frosted polycarbonate lens, 18 'Superbright' LED's, Temperature range: -30°C to +50°C, 100mm Fly lead, Low power consumption, 3 Year warranty</td>
</tr>
</tbody>
</table>
Interior Strip Light complete with PIR Sensor
Surface Mounted

- 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

LTMS5015/300/PIR/DV
wgt. 0.13kg
L300 x W33 x D19mm
400 Lumens / 12 LED's

LTMS5015/600/PIR/DV
wgt. 0.26kg
L600 x W33 x D19mm
800 Lumens / 24 LED's

LTMS5015/900/PIR/DV
wgt. 0.39kg
L900 x W33 x D19mm
1250 Lumens / 36 LED's

'ROSA' Interior Strip Light - 245mm
Surface Mounted

LTMS76728/245/DV
LTMS76728/245/DVSW
wgt. 0.05kg
L245 x W25 x D16mm
Un-switched
Integrated switch
110 Lumens
9 x Brilliant white LED's
90mm Fly lead
Low power consumption
3 Year warranty

'LMTS576728' Interior Strip Light complete with PIR Sensor Surface Mounted

LTMS5015/300/PIR/DV
wgt. 0.13kg
L300 x W33 x D19mm
400 Lumens / 12 LED's

LTMS5015/600/PIR/DV
wgt. 0.26kg
L600 x W33 x D19mm
800 Lumens / 24 LED's

LTMS5015/900/PIR/DV
wgt. 0.39kg
L900 x W33 x D19mm
1250 Lumens / 36 LED's

● 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

109
Scene-Light
Surface Mounted
Angled Light Projection Covering over 30m²

LTMS22792/CKB/DV
wgt. 0.41kg

- 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
### Orizon Interior Strip Light
Surface Mounted

<table>
<thead>
<tr>
<th>Model</th>
<th>Voltage</th>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>LTMSCW500/PV3/12</td>
<td>12v</td>
<td>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</td>
</tr>
<tr>
<td>LTMSCW500/PV3/2/24</td>
<td>24v</td>
<td>wgt. 0.08kg</td>
</tr>
</tbody>
</table>

### Nebula Interior Strip Light
Surface Mounted

<table>
<thead>
<tr>
<th>Model</th>
<th>Voltage</th>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>LTMSSI5CW500/12</td>
<td>12v</td>
<td>Un-switched</td>
</tr>
<tr>
<td>LTMSSI5CW500/SW12</td>
<td>12v</td>
<td>Integrated switch</td>
</tr>
<tr>
<td>LTMSSI5CW500/24</td>
<td>24v</td>
<td>Un-switched</td>
</tr>
<tr>
<td>LTMSSI5CW500/SW24</td>
<td>24v</td>
<td>Integrated switch</td>
</tr>
<tr>
<td>wgt. 0.46kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td>L626 x W44 x D15mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>640 Lumens</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IP66 Rated (switched version - IP60 rated)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ultra-slim design</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Robust aluminium housing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>24 x High intensity CREE LED’s</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Temperature range: -30°C to +40°C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>400mm Fly lead</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Low power consumption</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10 Year warranty</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Megalux
Surface Mounted

<table>
<thead>
<tr>
<th>Model</th>
<th>Lumens</th>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>LTRFPD1/41/EMV/DV*</td>
<td>480</td>
<td>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</td>
</tr>
<tr>
<td>LTRFPD1/43/DV</td>
<td>1248</td>
<td>ENVIRO SERIES - cost effective option, Built-in PIR version available upon request</td>
</tr>
<tr>
<td>wgt. 0.15kg</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

**NOTE:**
- Head Office: 01707 371161
- Midlands Division: 0121 5200100
- sales@cbf.uk.com
- cbf.uk.com

---

**ELECTRICAL**

**Orizon Interior Strip Light**
Surface Mounted

**Nebula Interior Strip Light**
Surface Mounted

**Megalux**
Surface Mounted
Superlux - SI3
Surface Mounted

LTMSI3/23/DV
wgt. 0.17kg
- 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

Powerlux - SI3
Surface Mounted

LTMSI3/6/1/DV
wgt. 0.46kg
- 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

Hyperlux - SI3
Surface Mounted

LTMSI3/6/3/DV
wgt. 0.46kg
- 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
**Scenelite - SI6**
Surface Mounted

**Unique Light Projection Covering over 50m²**

**LTMSSI6/63/DV**
wgt. 0.45kg

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

**Scenelite - SI7**
Surface Mounted

**Unique Curved Light Projection Covering over 30m²**

**LTMSSI7/53/B/DV**
Black
wgt. 0.30kg

- 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

**Scenelite - SI8**
Surface Mounted

**Compact Design Covering over 20m²**

**LTMSSI8/43/B/DV**
wgt. 0.15kg

- 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
**LED Front Marker Lamp**  
Surface Mounted

- LTMS26279C/FDV  
  - wgt. 0.08kg  
  - L116 x W47 x D18mm  
  - Multi-voltage  
  - IP67 Rated  
  - Fully sealed  
  - Integral reflector  
  - 500mm Fly lead  
  - Optical light guide technology - Unique light pattern

**LED Rear Marker Lamp**  
Surface Mounted

- LTMS26279R/RDV  
  - wgt. 0.08kg  
  - L116 x W47 x D18mm  
  - Multi-voltage  
  - IP67 Rated  
  - Fully sealed  
  - Integral reflector  
  - 500mm Fly lead  
  - Optical light guide technology - Unique light pattern

**LED Side Marker Lamp**  
Surface Mounted

- LTMS26279A/SDV  
  - wgt. 0.08kg  
  - L116 x W47 x D18mm  
  - Multi-voltage  
  - IP67 Rated  
  - Fully sealed  
  - Integral reflector  
  - 500mm Fly lead  
  - Optical light guide technology - Unique light pattern

**LED Side Marker Lamp**  
Horizontal Bracket

- LTMS26279A/SHDV  
  - wgt. 0.09kg  
  - 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
**LED Front, Rear & Side Marker Lamps**

*Surface Mounted*

**LTMS316801050/DV**
- Front
- Rear
- Side

**LTMS316801052/DV**
- Front
- Rear
- Side

**LTMS316801051/DV**
- Front
- Rear
- Side

- L59 x W36 x D27mm
- Multi-voltage
- IP68 Rated
- 500mm Fly lead

**LED Side Marker Lamp**

*Horizontal Bracket*

**LTMS30141/SHDV**
- L113 x W53 x D17mm
- Multi-voltage
- IP56 Rated
- Fully sealed
- Integral reflector
- 60mm Deep bracket
- 500mm Fly lead

**LED Side Marker Lamp**

*Surface Mounted*

**LTMS30158/SDV**
- L112 x W38 x D20mm
- Multi-voltage
- IP56 Rated
- Fully sealed
- Integral reflector
- Gasket seal
- 500mm Fly lead
LED Side Marker Lamp
Horizontal Bracket

- L100 x W35 x D20mm
- Multi-voltage
- IP56 Rated
- Fully sealed
- Integral reflector
- 30mm Deep bracket
- 500mm Fly lead

LED Front, Rear & Side Marker Lamps
Surface Mounted

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

LTMS30157/SHDV
wgt. 0.06kg

LTMS30157/FDV
LTMS30157/RDV
LTMS30157/SDV
wgt. 0.05kg

COMMERICAL BODY FITTINGS   PRODUCT CATALOGUE   EDITION 9
LED Front, Rear & Side Marker Lamps
Surface Mounted

LTMSFM18/12NB  12v  Front
LTMSFM18/24NB  24v  Front
LTMSRM18/12NB  12v  Rear
LTMSRM18/24NB  24v  Rear
LTMSSM18/12NB  12v  Side
LTMSSM18/24NB  24v  Side

wgt. 0.12kg
- L100 x W50 x D33mm
- IP67 Rated
- Integral reflector
- Terminal block connection

LTMS/F857
wgt. 0.01kg
- Horizontal bracket
- Suits all lamps above

LED Side Marker Lamp
Horizontal & Vertical Bracket Options

LTMSSM18/12  12v
LTMSSM18/24  24v
wgt. 0.13kg
- Supplied with vertical bracket - 60mm deep

LTMSSM18/12H  12v
LTMSSM18/24H  24v
wgt. 0.13kg
- Supplied with horizontal bracket - 40mm deep

- L100 x W50 x D33mm
- IP67 Rated
- Integral reflector
- Terminal block connection

LED Rear Marker Lamp
Surface Mounted

LTMSRM20/24  24v
wgt. 0.08kg
- L100 x W50 x D20mm
- IP67 Rated
- Integral reflector
- 400mm Fly-lead
**LED Front, Rear & Side Marker Lamps**

- **Surface Mounted**

**LTMSFM50/DVFB**
- Front: 500mm Fly lead

**LTMSFM50/DVFB/SS**
- Front: Superseal connector

**LTMSRM50/DVFB**
- Rear: 500mm Fly lead

**LTMSRM50/DVFB/SS**
- Rear: Superseal connector

**LTMSM50/DVFB**
- Side: 500mm Fly lead

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

**LTMSM50/HB**
- wgt. 0.01kg
- Horizontal bracket
- Suits all lamps above

---

**LED Side Marker Lamp**

- **Horizontal Bracket**

**LTMSM50/DVHB**
- 500mm Fly lead

**LTMSM50/DVHB/SS**
- Superseal connector

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

---

**LED Front & Rear Marker Lamps**

- **Surface Mounted**

**LTMSFM60/DVFB**
- Front: 500mm Fly lead

**LTMSRM60/DVFB**
- Rear

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

**Horizontal Bracket**

2PS345600077  
wgt. 0.09kg  
- L110 x W48 x D25mm  
- 24v  
- IP6K7 Rated  
- Integral reflector  
- 23mm Deep bracket  
- 500mm Fly lead

**LED Front & Rear End Outline Marker Lamp**

**Semi-Recessed Mounted**

2PF959590207  
Front  
Clear  
2XA959790407  
Rear  
Clear lens, red when illuminated  
wgt. 0.02kg  
- L80 x W23 x D6mm  
- Multi-voltage  
- IP6K7 Rated  
- Integral reflector  
- Gasket included  
- 500mm Fly lead

**LED Front & Rear, End Outline Marker Lamp**

**Surface Mounted**

2PF959570207  
Front  
Clear  
2XA959560407  
Rear  
Clear lens, red when illuminated  
wgt. 0.02kg  
- L60 x W37 x D34mm  
- Multi-voltage  
- IP6K7 Rated  
- Integral reflector  
- Gasket included  
- 500mm Fly lead

**Docking Lights**

**Halogen**

1NB998546811  
wgt. 0.35kg  
- Supplied with 24v x 70W halogen bulb  
- Wide & long range illumination  
- 6.3mm Flat plug connectors  
- Complete with self-adhesive gasket  
- Ideally suited for use with horseboxes, race car transporters, etc.  
- Can be used with a 12v system by simply changing the bulbs  
- Supplied in pairs
LED Rear Combination Lamps
Fog, Reverse & Stop / Tail / Indicator

**LTMS26034/1/DV**
wgt. 0.46kg
- Ø140 x D31mm
- Multi-voltage
- IP67 Rated
- Low power consumption
- Modern design
- Low profile - only 31mm
- 3000mm Fly lead

LED Rear Combination Lamp
Stop/Tail/Indicator

**LTMSRF800/12**
12v Rear fog
- Ø140 x D85mm
- Multi-voltage
- IP67 Rated
- Integral reflector
- No visible fixings
- 500mm Fly lead
- No tools are required to replace the unit

**GTMSPL115/S10/DV**
Surface mounted
wgt. 0.14kg
- Ø140 x W8 x D20mm
- Multi-voltage
- IP67 Rated
- Crystal optic lens system
- Low power consumption
- Internal male tab (spade) connector terminals
- Modular housing option
- Superseal connection available upon request

**LTMSPL115/S11/DV**
Horizontal bracket

**LTMSRF800/24**
24v Rear fog
- Ø140 x D85mm
- Multi-voltage
- IP67 Rated
- Integral reflector
- No visible fixings
- 500mm Fly lead
- No tools are required to replace the unit

**LTMSRV800/24**
24v Reverse
- Ø140 x D85mm
- Multi-voltage
- IP67 Rated
- Integral reflector
- No visible fixings
- 500mm Fly lead
- No tools are required to replace the unit

**LTMS26034/1/DV**
Surface mounted
wgt. 0.46kg
- Ø140 x D31mm
- Multi-voltage
- IP67 Rated
- Low power consumption
- Modern design
- Low profile - only 31mm
- 3000mm Fly lead

**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.
### Bulb Rear Combination Lamp

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

<table>
<thead>
<tr>
<th>Model</th>
<th>Side</th>
<th>Characteristics</th>
</tr>
</thead>
<tbody>
<tr>
<td>LTMSL0302001/LH</td>
<td>Left hand</td>
<td>L350 x W130 x D83mm, Multi-voltage (bulbs not included), Cable gland exit, Horizontal mounting, Terminal block connection</td>
</tr>
<tr>
<td>LTMSL0303001/RH</td>
<td>Right hand</td>
<td>L350 x W130 x D83mm, Multi-voltage (bulbs not included), Cable gland exit, Horizontal mounting, Terminal block connection</td>
</tr>
</tbody>
</table>

### LED Rear Combination Lamp

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

<table>
<thead>
<tr>
<th>Model</th>
<th>Side</th>
<th>Characteristics</th>
</tr>
</thead>
<tbody>
<tr>
<td>LTMSL7800L/DV</td>
<td>Left hand</td>
<td>L345 x W126 x D35mm, Multi-voltage, Direct replacement for many O.E. lights, Low power consumption, 450mm Fly lead, 5 Year warranty</td>
</tr>
<tr>
<td>LTMSL7801L/DV</td>
<td>Right hand</td>
<td>L345 x W126 x D35mm, Multi-voltage, Direct replacement for many O.E. lights, Low power consumption, 450mm Fly lead, 5 Year warranty</td>
</tr>
</tbody>
</table>

### LED Triple Function Lamp

Rubber Housing

<table>
<thead>
<tr>
<th>Model</th>
<th>Side</th>
<th>Characteristics</th>
</tr>
</thead>
<tbody>
<tr>
<td>LTMS31740105000/DV</td>
<td>Left hand</td>
<td>L170mm, 24v, IP67 Rated, Flexible rubber arm, Heavy duty rubber housing, 500mm Fly lead</td>
</tr>
<tr>
<td>LTMS31740105100/DV</td>
<td>Right hand</td>
<td>L170mm, 24v, IP67 Rated, Flexible rubber arm, Heavy duty rubber housing, 500mm Fly lead</td>
</tr>
</tbody>
</table>

### LED Stop Lamp - 3rd Brake Light

Surface Mounted

<table>
<thead>
<tr>
<th>Model</th>
<th>Voltage</th>
<th>Characteristics</th>
</tr>
</thead>
<tbody>
<tr>
<td>LTMS313630252/12</td>
<td>12v</td>
<td>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</td>
</tr>
<tr>
<td>LTMS313630252/24</td>
<td>24v</td>
<td>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</td>
</tr>
</tbody>
</table>
**Bulb Number Plate Lamp**

**LTMS26256/DV**
- L80 x W27 x D33mm
- Multi-voltage
- Black plastic body
- Bulbs required: 12v x 5w
  - 24v x 5w
- Suitable for both square and rectangular plates
- 2 Lamps required for ECE approval

**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

**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

---

**LED Number Plate Lamp**

**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

**LTMS26256/DV**
- L86 x W39 x D37mm
- Multi-voltage
- Grey plastic body
- Surface mounted bracket
- 450mm Fly lead
- Suitable for rectangular plates only
- 2 Lamps required for ECE approval

---

**LED Number Plate Lamp**

**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
LED Beacon
Slimline

LTMSRCV9811/DV
wgt. 0.18kg
- ø87 Beacon (ø130 base) x H53mm
- Multi-voltage
- IP67 Rated
- 20 x High intensity LED’s
- 3 Bolt fixing - ø6mm
- Adjustable flash patterns - rotate/pulse & flash
- Supplied with auxiliary on/off rocker switch & 900mm cable
- Polycarbonate lens
- 200mm Fly lead

LED Beacon
Compact

LTMSRCV9810/DV
wgt. 0.61kg
- 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

LED Beacon
Compact

LTMS26910/DV
wgt. 0.60kg
- ø115 Beacon (ø160 base) x H88mm
- Multi-voltage
- IP69K Rated
- 12 x High intensity LED’s
- 3 Bolt fixing - ø5.8mm
- Foam base gasket seal
- 5 Flash patterns
- Aluminium base
- Polycarbonate lens
- 340mm Fly lead
- Regulation 65 approved
LED Hazard Warning Lamp
Surface / Bracket Mounted

LTMS497022/DV
wgt. 0.19kg
- 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

Optional Auxiliary Bracket
LTMS26906CA/BKT
- Bracket only
- Mounts directly to the rear of the light

LED Hazard Warning Lamp
Surface Mounted

LTMSPL355/S01/DV
wgt. 0.15kg
- L136 x W56 x D25mm
- Multi-voltage
- IP67 Rated
- Clear lens / amber LED’s
- 12 x High intensity LED’s
- 18 Flash pattern, can be synchronized with other units
- 2 Part construction with hidden fixings
- 240mm Fly lead
- 3 Year warranty

LED Hazard Warning Lamp
Surface Mounted with Optional Auxiliary Bracket

LTMS26906CA/DV
wgt. 0.38kg
- 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
LED Hazard Warning Lamp  
Surface Mounted with Optional Recessed Bracket

**LTMS26908CA/DV**  
wgt. 0.11kg  
- 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

**Optional Recessed Bracket**  
**LTMS26906CA/BKT**  
- Bracket only  
- Converts the lights into a recessed version

---

LED Hazard Warning Lamp  
Surface Mounted

**LTMS266091CA/DV**  
wgt. 0.10kg  
- 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

---

LED Hazard Warning Lamp  
Surface Mounted

**LTMS26903CA/DV**  
wgt. 0.13kg  
- 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
**LTMS88876/DV**

wgt. 1.50kg

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

**LED Light Bar**
Compact Design

---

**LTMS881150/DV**

wgt. 10.80kg

- 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
- 10 Flash patterns
- 360° Visibility
- 500mm Fly lead
- 3 Year warranty
- Regulation 65 approved

**LED Light Bar**
Low Profile

---
LED ‘Mini’ Worklamp
800 Lumens

LTMS377/228/DV
wgt. 0.17kg
- 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

LED Worklamp / Reversing Lamp
1200 Lumens

LTMS388/228/DV
wgt. 0.52kg
- 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°

LED Worklamp
1200 Lumens

LTMS250/228/DV
wgt. 0.44kg
- 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
LED Worklamp
2160 Lumens

LTMS344/228/DV
wgt. 0.58kg
- 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

LED Worklamp
3200 Lumens

LTMS399/228/DV
wgt. 0.52kg
- 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

Magnetic Mount
Stainless Steel Bracket

LTMS690032/MAG
wgt. 0.90kg
- H48 x Ø78mm (bases)
- Includes: 2 x magnetic bases, bracket, nuts & bolts
- Tested to withstand 18kg of pulling resistance
- Suitable for all worklamps
Vari-Force Gas Springs

Gas Struts

Vari-Force 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

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Rod Dia. (mm)</th>
<th>Open Length (mm)</th>
<th>Eye/Eye end Dia. (mm)</th>
<th>Stroke (mm)</th>
<th>Newton (N)</th>
<th>Weight (kgs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>GASV08NAY0650/EE</td>
<td>8</td>
<td>485</td>
<td>8</td>
<td>200</td>
<td>650</td>
<td>0.27</td>
</tr>
<tr>
<td>GASV08PBC0650/EE</td>
<td>8</td>
<td>585</td>
<td>8</td>
<td>250</td>
<td>650</td>
<td>0.33</td>
</tr>
<tr>
<td>GASV10NAY1200/EE</td>
<td>10</td>
<td>515</td>
<td>10</td>
<td>200</td>
<td>1200</td>
<td>0.32</td>
</tr>
<tr>
<td>GASV10PBC1200/EE</td>
<td>10</td>
<td>605</td>
<td>10</td>
<td>250</td>
<td>1200</td>
<td>0.38</td>
</tr>
</tbody>
</table>

Vari-Force 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:

**GASEFB012Z/8BS**
- Ball joint end fitting to suit ø8mm rod

**GASEFB006Z/10BS**
- Ball joint end fitting to suit ø10mm rod

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

**Alternative End Fitting:**

**GASEFB012Z/8BS**
- Ball joint end fitting to suit ø8mm rod

---

For Gas Spring Identification, please complete the form on page 130
Gas Spring
Identification / Order Form

Please photocopy this page and fill in the relevant details, then email or fax it to your local sales office for identification

PLEASE USE BLOCK CAPITALS

<table>
<thead>
<tr>
<th>Company Name:</th>
<th>Contact Name:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Telephone No.:</td>
<td>Fax No.:</td>
</tr>
<tr>
<td>E-Mail:</td>
<td>Order No.:</td>
</tr>
</tbody>
</table>

Please complete the following information for all new Gas Strut requests

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

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

Where is the hinge pivot point on the lid?
Top face of lid
Lower face of lid

Existing Gas Spring Identification
please complete the following:

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>Newtons</th>
<th>Eye End</th>
<th>Ball Joint</th>
</tr>
</thead>
<tbody>
<tr>
<td>Open Length</td>
<td>Stroke</td>
<td>Body Diameter</td>
<td>Rod Diameter</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### HANDLES

**HAPL9200**
- **Weight**: 0.03kg
- **Dimensions**: L170 x W28 x H38mm
- **Hole Centres**: 134mm
- **Fixing Holes**: 2 x L8 x W4.2mm Slotted fixing holes
- **Other**: Complete with fixing hole retaining flaps

**HAPL9207**
- **Weight**: 0.05kg
- **Dimensions**: L245 x W23 x H36mm
- **Hole Centres**: 205mm
- **Fixing Holes**: 2 x ø6mm Fixing holes

**HAPL9208**
- **Weight**: 0.18kg
- **Dimensions**: L245 x W31 x H54mm
- **Hole Centres**: 220mm
- **Fixing Holes**: 2 x ø8mm Fixing holes

**HAPL3850/165BLK**
- **Weight**: 0.18kg
- **Dimensions**: L194 x W24 x H50 mm
- **Hole Centres**: 165mm

**HAPL3850/165YEL**
- **Weight**: 0.18kg
- **Dimensions**: L194 x W24 x H50 mm
- **Hole Centres**: 165mm

**HAPL3850/245BLK**
- **Weight**: 0.26kg
- **Dimensions**: L272 x W24 x H50 mm
- **Hole Centres**: 245mm
- **Fixing Holes**: 2 x ø6mm Fixing holes
- **Other**: All handles are supplied with 2 x plastic hole caps

**HAPL3850/245YEL**
- **Weight**: 0.26kg
- **Dimensions**: L272 x W24 x H50 mm
- **Hole Centres**: 245mm
- **Fixing Holes**: 2 x ø6mm Fixing holes
- **Other**: All handles are supplied with 2 x plastic hole caps

**HANDLE**
- **HAPL9200**
  - **Weight**: 0.03kg
  - **Dimensions**: L170 x W28 x H38mm
  - **Hole Centres**: 134mm
  - **Fixing Holes**: 2 x L8 x W4.2mm Slotted fixing holes
  - **Other**: Complete with fixing hole retaining flaps

**HANDLE**
- **HAPL9207**
  - **Weight**: 0.05kg
  - **Dimensions**: L245 x W23 x H36mm
  - **Hole Centres**: 205mm
  - **Fixing Holes**: 2 x ø6mm Fixing holes

**HANDLE**
- **HAPL9208**
  - **Weight**: 0.18kg
  - **Dimensions**: L245 x W31 x H54mm
  - **Hole Centres**: 220mm
  - **Fixing Holes**: 2 x ø8mm Fixing holes

**HANDLE**
- **HAPL3850/165BLK**
  - **Weight**: 0.18kg
  - **Dimensions**: L194 x W24 x H50 mm
  - **Hole Centres**: 165mm

**HANDLE**
- **HAPL3850/165YEL**
  - **Weight**: 0.18kg
  - **Dimensions**: L194 x W24 x H50 mm
  - **Hole Centres**: 165mm

**HANDLE**
- **HAPL3850/245BLK**
  - **Weight**: 0.26kg
  - **Dimensions**: L272 x W24 x H50 mm
  - **Hole Centres**: 245mm
  - **Fixing Holes**: 2 x ø6mm Fixing holes

**HANDLE**
- **HAPL3850/245YEL**
  - **Weight**: 0.26kg
  - **Dimensions**: L272 x W24 x H50 mm
  - **Hole Centres**: 245mm
  - **Fixing Holes**: 2 x ø6mm Fixing holes
  - **Other**: All handles are supplied with 2 x plastic hole caps

---

*Head Office: 01707 371161  Midlands Division: 0121 5200100  sales@cbf.uk.com  cbf.uk.com*
HAPL4800/250YEL
wgt. 0.43kg
- 250mm Hole centres
- Heavy duty 'raised' construction
- Ø35mm Diamond pattern grip
- 2 x ø8mm Fixing holes

HAPL4800/340YEL
wgt. 0.53kg
- 340mm Hole centres
- Heavy duty construction
- Ø35mm Smooth grip
- 2 x ø8mm Fixing holes

HAPL4800/550YEL
wgt. 0.73kg
- 550mm Hole centres
- Heavy duty 'raised' construction
- Ø35mm Diamond pattern grip
- 2 x ø8mm Fixing holes

HAPL4800/720YEL
wgt. 1.00kg
- 720mm Hole centres
- Heavy duty 'raised' construction
- Ø35mm Diamond pattern grip
- 2 x ø8mm Fixing holes

HANDLES

Patterned Surface Handle
Polyurethane / Steel Core

HAPL4870/300BLK
Black
HAPL4870/300YEL
Yellow
wgt. 0.48kg
- Patterned padded surface, shaped for good grip - approx. ø28mm
- Steel core with polyurethane body
- Supplied with plastic hole caps
- 4 x ø6.8mm Concealed fixing holes

Steel Grab Handle - Smooth Grip
Yellow Powder Coated

HAPL4650/360YEL
wgt. 0.49kg
- 360mm Hole centres
- Heavy duty construction
- Ø35mm Smooth grip
- 2 x ø8mm Fixing holes
### Recessed Grab Handle
**AT600 Surface Coated**

**HAFL8000/100AT**  
wgt. 0.52kg  
- L176 x W110 x H40mm  
- Cut-out required: L145 x W79 x D39mm  
- 4 x ø6.5mm Fixing holes  
- Suitable for use in 125mm wide rear frames  
- Off-set Ø10mm grab handle  
- Suitable for nearside & offside fitment  
- Armour-Tech 600 (AT600) surface coating  
- 600 Hours+ salt spray tested

### Handle
**Chromium Plated Diecast Steel**

**HAPL2923/150**  
wgt. 0.19kg  
- L195 x W40 x H45mm  
- 150mm Hole centres  
- 2 x ø6mm Countersunk fixing holes

### Handle
**304G Stainless Steel**

**HAPL2550/265SS**  
wgt. 0.24kg  
- L286 x W35 x H40mm  
- 265mm Hole centres  
- 304G Stainless steel  
- 2 x ø10mm Fixing holes

### Recessed Flush Handle
**Black Plastic**

**HAFL414/PL**  
wgt. 0.05kg  
- L133 x W60mm  
- Recess: L90 x W45 x D20mm  
- 4 x ø6.5mm Countersunk fixing holes

### Recessed Flush Handle
**Black Steel**

**HAFL414**  
wgt. 0.12kg  
- L133 x W60mm  
- Recess: L90 x W50 x D20mm  
- 4 x ø6.5mm Countersunk fixing holes
# Handles & Locks

## Recessed Grab Handle
- **Black Steel**
- **HAFL9/01115**
  - wt. 0.16kg
  - L125 x W125mm
  - Recess: L105 x W105 x D16mm
  - 4 x ø5mm Countersunk fixing holes

## Chest Handle
- **Zinc Plated**
- **HAFL246**
  - wt. 0.16kg
  - L100 x W75mm
  - 4 x ø7mm Fixing holes

## Recessed Chest Handle
- **Zinc Plated**
- **HAFL65260/ZP**
  - wt. 0.35kg
  - L160 x W107mm
  - Recess: L129 x W76 x D10mm
  - Robust design
  - Plastic grip
  - Spring loaded handle
  - 10 x ø5mm Fixing holes

## 'L' Shaped Handle
- **Chromium Plated**
- **HALK1620/L**
  - Locking, complete with 2 keys
  - wt. 0.25kg
  - 2 Way - 180° operation
  - Handle: L101mm
  - 45mm Hole centres
  - Shaft: L105 x 7.8mm square
  - Supplied with gasket
  - 2 x ø5.5mm Countersunk fixing holes
- **HALK1620/P**
  - Non-locking

## 'L' Shaped Handle
- **Chromium Plated**
- **HALK4012/L**
  - Locking, complete with 2 keys
  - wt. 0.25kg
  - 1 Way - 90° operation
  - Handle: L101mm
  - 45mm Hole centres
  - Shaft: L105 x 7.8mm square
  - Supplied with gasket
  - 2 x ø5.5mm Countersunk fixing holes
**'T' Shaped Handle**  
Chromium Plated

**HALK9012/L**
- Locking, complete with 2 keys
- wgt. 0.23kg
- 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

**Padlockable Handle**  
Stainless Steel

**HALK1000/LSS**
- wgt. 0.38kg
- 2 Way - 360° operation
- Handle: L152mm
- Shaft: L82 x 7.8mm square
- 3 x ø6.5mm Fixing holes

**Recessed Pan Locking Handle**  
Chromium Plated Handle / Black Pan

**HALK9/00156**
- Locking, complete with 2 keys
- wgt. 0.44kg
- 90° Right hand operation
- Recess: L135 x W135 x D19mm
- Shaft: L120 x 7.8mm square
- 3 x ø4.3mm Fixing holes

**Slam Lock**  
Zinc Plated

**LKSL55/LH**
- Left hand
- wgt. 0.29kg
- Backplate: L85 x W50mm
- Handle: L90mm
- Accepts 7.8mm square shaft
- 4 x ø5.8mm Fixing holes

**Slam Lock**  
Zinc Plated

**LKSL394**
- wgt. 0.27kg
- Backplate: L87 x W68mm
- Accepts 7.8mm square shaft
- 4 x ø5mm Fixing holes
Inside Handle
Chromium Plated

**HAINCBF155**

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

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight</th>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inside Handle</td>
<td>0.12kg</td>
<td>Overall size: L124mm, Accepts 7.8mm square shaft, Numerous mounting angles, Grub screw fixing, Diecast steel</td>
</tr>
</tbody>
</table>

Compartment Lock
Chromium Plated

**LKMS90**

- 90° Rotation
- Body: ø17.5mm x L20mm
- Offset tongue: L50 x W15mm
- Supplied with 2 keys

**LKMS180**

- 180° Rotation

Cylinder Cam Lock and Wing Knob
Zinc Plated

**HALK468267**

- 90° Rotation
- 18mm Grip range
- Supplied with 2 keys

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight</th>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cylinder Cam Lock and Wing Knob</td>
<td>0.14kg</td>
<td>90° Rotation, 18mm Grip range, Supplied with 2 keys</td>
</tr>
</tbody>
</table>

Padlock
Brass Body

**LPAD150**

- Body: L38 x W38mm

**LPAD250**

- Body: L50 x W50mm
- Supplied with 2 keys
- Can be supplied with 'keys alike' to order

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight</th>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>Padlock</td>
<td>0.16kg</td>
<td>Body: L38 x W38mm, Supplied with 2 keys, Can be supplied with 'keys alike' to order</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight</th>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>Padlock</td>
<td>0.33kg</td>
<td>Body: L50 x W50mm, Supplied with 2 keys</td>
</tr>
</tbody>
</table>

Pull-out Access Steps
285-287

Body Mounting Springs
12

Tail-Lift Flags
256
**Medium-Duty Budget Lock**  
Zinc Plated & Stainless Steel

- **LKBD9656/SS**  
  304G Stainless steel  
  wgt. 0.06kg  
  - L85 x W23mm  
  - Held positively in open or closed position by concealed spring  
  - Suitable for both left & right hand fitment  
  - 2 x Ø6.5mm Fixing holes

- **LKBD9656/ZP**  
  Zinc plated  
  wgt. 0.06kg  
  - L85 x W23mm  
  - Held positively in open or closed position by concealed spring  
  - Suitable for both left & right hand fitment  
  - 2 x Ø6.5mm Fixing holes

**Heavy-Duty Budget Lock**  
Zinc Plated

- **LKBD9050/ZP**  
  wgt. 0.08kg  
  - 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 Ø5.2mm Fixing holes

- **LKBD9070/ZP**  
  wgt. 0.18kg  
  - 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 Ø6.5mm Fixing holes

**Tee Key**  
Zinc Plated

- **LKBD3840/83ZP**  
  L83 x W62mm  
  wgt. 0.07kg

- **LKBD3840/125ZP**  
  L125 x W70mm  
  wgt. 0.12kg  
  - Zinc plated

**Spring Loaded Escutcheon**  
Chromium Plated Steel

- **HAES106**  
  wgt. 0.02kg  
  - Overall: Ø28mm  
  - Ø13mm Hole  
  - Opens 110°  
  - 2 x Ø3.4mm Countersunk fixing holes
**Recessed 'Mini' Paddle Handle**

304G Stainless Steel

LPAD1100/LSS

wgt. 0.29kg

- L82 x W82 x D35mm
- Cut-out required: L64 x W62 x D37mm
- Supplied with gasket & 2 keys
- 4 x ø5mm Fixing holes

**Recessed Paddle Handle**

304G Stainless Steel

LPAD1300/LSS

wgt. 0.40kg

- L120 x W95 x D40mm
- Cut-out required: L94 x W65 x D42mm
- Supplied with gasket & 2 keys
- 4 x ø5mm Fixing holes

**Recessed Paddle Handle**

304G Stainless Steel & Zinc Plated

LPAD1500/LSS

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

**MRF Recessed Paddle Handle**

304G Stainless Steel

MRF202520203

wgt. 0.60kg

- 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

MRF301010650

wgt. 0.002kg

- Optional gasket
HANDLES & LOCKS

Recessed Drop 'T' Handle
304G Stainless Steel

HALK1503/NL
Non-locking
wgt. 0.58kg
- 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 ø5mm Fixing holes

Recessed Drop 'T' Handle
304G Stainless Steel

HALK1503
Locking
wgt. 0.68kg
- 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 ø5mm Fixing holes

Recessed Drop 'T' Handle & 3 Way Catch System
304G Stainless Steel

HALK1504/3WCS
wgt. 2.09kg
- L120 x W124 x D43mm
- Cut-out required: L98 x W78 x D48mm
- Rod dimensions: L1145 x ø9.5mm (each)
- Provides a complete latching system for large doors
- Supplied with 2 rod guides, gasket & 2 keys
- 4 x ø7.5mm Fixing holes
**Halke1619010/L**
- Grip range: 1-25mm
- Wgt. 0.23kg
  - 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
  - Operated by depressing front face
  - Minimal front face protrusion
  - Mounted via the rear with a 'U' shaped bracket

**Halke1619010/KEY**
- Wgt. 0.003kg
  - Additional keys (x2)

**HalkeC52115/3**
- Grip range: 1-11mm
- Wgt. 0.31kg
  - 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

**HalkeC5/82**
- Gasket to suit

**Halke7183/L**
- Grip range: 1-48mm
- Wgt. 0.45kg
  - 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
**Vector 'T' Handle**
Black Nylon Composite Body / Die Cast Zinc Handle

HALK275021/06/S1
wgt. 0.48kg
- 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 ø5mm Countersunk fixing holes
- Stainless steel version available upon request

**Recessed Compression Locking Latch**
Black Nylon Composite Body / Die Cast Zinc Handle

HALK9/03000/01
wgt. 0.75kg
- L120 x W150 x D72mm (max.)
- 55mm Latch bar adjustment
- Latching point can be fixed above or below the handle
- Water and corrosion resistant
- Invisible fixing — 2 x M8 locknuts
- Gasket seal
- 6mm "Take-up" to make seal against gasketed doors
- Supplied with 2 keys
- Unit fits through aperture and is clamped against the panel by 2 brackets
- Panel cut-out dimensions available upon request
**Eccentric Fastener & Catch**
Galvanized - Bolt-on

<table>
<thead>
<tr>
<th>ATBF7655/BGV</th>
<th>wgt. 0.89kg</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>●</strong> Adjustable threaded shank: 94 to 118mm (approx.)</td>
<td></td>
</tr>
<tr>
<td><strong>●</strong> Bolt-on</td>
<td></td>
</tr>
<tr>
<td><strong>●</strong> 4 x ø9mm Fixing holes</td>
<td></td>
</tr>
<tr>
<td><strong>●</strong> Heavy duty robust design</td>
<td></td>
</tr>
<tr>
<td><strong>●</strong> Finger release safety catch</td>
<td></td>
</tr>
<tr>
<td><strong>●</strong> Supplied with weld-on catch</td>
<td></td>
</tr>
<tr>
<td><strong>●</strong> Widely used on tippers and car trailers. Other applications include toolboxes &amp; transport containers</td>
<td></td>
</tr>
<tr>
<td><strong>●</strong> Requires periodic maintenance (i.e. lubrication, adjustment or replacement of wearing parts)</td>
<td></td>
</tr>
</tbody>
</table>

**Eccentric Fastener & Catch**
Self Colour - Weld-on

<table>
<thead>
<tr>
<th>ATBF7666/WSC</th>
<th>wgt. 0.89kg</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>●</strong> Adjustable threaded shank: 94 to 118mm (approx.)</td>
<td></td>
</tr>
<tr>
<td><strong>●</strong> Weld-on</td>
<td></td>
</tr>
<tr>
<td><strong>●</strong> Heavy duty robust design</td>
<td></td>
</tr>
<tr>
<td><strong>●</strong> Finger release safety catch</td>
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<td><strong>●</strong> Widely used on tippers and car trailers. Other applications include toolboxes &amp; transport containers</td>
<td></td>
</tr>
<tr>
<td><strong>●</strong> Requires periodic maintenance (i.e. lubrication, adjustment or replacement of wearing parts)</td>
<td></td>
</tr>
</tbody>
</table>

**Overcentre Fastener**
Zinc Plated - Bolt-on

<table>
<thead>
<tr>
<th>ATBF80600</th>
<th>wgt. 0.27kg</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>●</strong> Adjustable threaded shank: 65 to 80mm (approx.)</td>
<td></td>
</tr>
<tr>
<td><strong>●</strong> Bolt-on</td>
<td></td>
</tr>
<tr>
<td><strong>●</strong> 3 x ø5.3mm Fixing holes</td>
<td></td>
</tr>
<tr>
<td><strong>●</strong> Medium duty design</td>
<td></td>
</tr>
<tr>
<td><strong>●</strong> Supplied with bolt-on catch plate</td>
<td></td>
</tr>
<tr>
<td><strong>●</strong> Widely used on tippers and car trailers. Other applications include toolboxes &amp; transport containers</td>
<td></td>
</tr>
<tr>
<td><strong>●</strong> Requires periodic maintenance (i.e. lubrication, adjustment or replacement of wearing parts)</td>
<td></td>
</tr>
</tbody>
</table>
**HANDLES & LOCKS**

### Recessed Overcentre 'T' Lock

**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

Weight: 1.77kg

### Recessed 'Locking' Overcentre 'T' Lock

**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

Weight: 1.30kg

### Surface Mounted Overcentre Lock

**ATBF746B**

- Backplate: L150 x W80mm
- 4 x ø8mm fixing holes
- Spring loaded handle & loose toggle
- Supplied with self colour weld-on catch plate

Weight: 1.01kg

### Optional Catches to Suit

- **ATBF894/BCSS** Bolt-on / 304G Stainless steel
- **ATBF894/BCZP** Bolt-on / Zinc plated

Weight: 0.09kg

### Overcentre Lock Catch Plate

**ATBF894/WCSC**

- Self Colour / Weld-on

Weight: 0.06kg

- 5mm Mild steel

**ATBF894/BCSS** 304G Stainless steel & Zinc Plated / Bolt-on

Weight: 0.09kg

- 2 x ø6.5mm Fixing holes
- Compatible with: ATBF746B, ATBF894/ZPSS & ATBF894/SS

---

Head Office: 01707 371161    Midlands Division: 0121 5200100    sales@cbf.uk.com  
cbf.uk.com
**HANDLE & LOCKS**

**Recessed Overcentre Lock**
Zinc Plated with Stainless Steel Toggle

**ATBF894/ZPSS**
- wgt. 1.44kg
- 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

**Catches to Suit**

- **ATBF894/BCSS**  Bolt-on / 304G Stainless steel
- **ATBF894/BCZP**  Bolt-on / Zinc plated
- **ATBF894/WCSC**  Weld-on / Self colour

**Recessed Overcentre Lock**
304G Polished Stainless Steel

**ATBF894/SS**
- wgt. 1.44kg
- 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

**Catches to Suit**

- **ATBF894/BCSS**  Bolt-on / 304G Stainless steel
- **ATBF894/BCZP**  Bolt-on / Zinc plated
- **ATBF894/WCSC**  Weld-on / Self colour

**Recessed Overcentre Lock**
Zinc Plated

**ATBF794B**
- wgt. 1.47kg
- 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

**Optional Catches to Suit**

- **ATBF894/BCSS**  Bolt-on / 304G Stainless steel
- **ATBF894/BCZP**  Bolt-on / Zinc plated
**Handrail Tube**
Chromium Plated Steel

**MISC425**
- wgt. 1.50kg
- L4000 x ø25mm (o.d.)
- Suits all handrail sockets - shown below
- Suitable for internal use only

**Handrail Socket**
Chromium Plated Brass

**MISC1080/C**
- Centre
- wgt. 0.19kg
- Suits all handrail sockets - shown below
- Suitable for internal use only

**MISC1080/E**
- End
- wgt. 0.24kg
- 3 x ø4.8mm Countersunk fixing holes
- To be used in conjunction with MISC425 handrail tube
- Suitable for internal use only

**Handrail Tee Socket**
Chromium Plated Brass

**MISC1298**
- 3 Way
- wgt. 0.19kg
- To be used in conjunction with MISC425 handrail tube
- Suitable for internal use only

**MISC3249**
- 2 Way
- wgt. 0.14kg
- To be used in conjunction with MISC425 handrail tube
- Suitable for internal use only

**Handrail Elbow Socket**
Chromium Plated Brass

**MISC3127/E**
- End
- wgt. 0.08kg
- 3 x ø4.8mm Countersunk fixing holes
- To be used in conjunction with MISC425 handrail tube
- Suitable for internal use only

**Handrail End Socket**
Chromium Plated Brass

**MISC3127/E**
- End
- wgt. 0.08kg
- 3 x ø4.8mm Countersunk fixing holes
- To be used in conjunction with MISC425 handrail tube
- Suitable for internal use only
**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.

<table>
<thead>
<tr>
<th>Model</th>
<th>Voltage</th>
<th>Weight (kg)</th>
<th>Dimensions (mm)</th>
<th>Features</th>
</tr>
</thead>
</table>
| WSH/TEALWASH12 | 12v     | 4.70        | H440 x W300 x D230 (360mm when open) | - 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 |
| WSH/TEALWASH24 | 24v     |             |                 |                                                                          |

**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.

<table>
<thead>
<tr>
<th>Model</th>
<th>Voltage</th>
<th>Weight (kg)</th>
<th>Dimensions (mm)</th>
<th>Features</th>
</tr>
</thead>
</table>
| WSH/HANDEMANXTRA/12 | 12v     | 3.00        | H370 x W310 x D220 (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 |
| WSH/HANDEMANXTRA/24 | 24v     |             |                 |                                                                          |
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
wgt. 3.60kg
● 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

SEALWONDERWIPES/100
wgt. 0.57kg
● Pack size: H245 x ø110mm
● 100 Wipes per pack
● For full specification see page 268

DEB ‘Stoko’ Cleanse Washroom Dispenser
4 Litre Capacity

WSH/HVY4LDREN
wgt. 1.22kg
● H345 x W180 x D160mm
● 4 Litre capacity
● Soap not included
● Dispenser pump ensures a fixed product dose

Swarfega Van Cradle System
Three step skin care system to protect, cleanse & sanitise skin

WSH/SVC01SP
wgt. 2.90kg
● H260 x W305 x D100mm
● 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
Door Hinge - Flat Blade
304G Stainless Steel & Zinc Plated

HNVN7118/SS
wgt. 0.14kg
- 304G Polished stainless steel
- Complete with 304G stainless steel pin & nylon bush
HNVN7118/ZP
wgt. 0.14kg
- Zinc plated
- Complete with 304G stainless steel pin & nylon bush

Door Hinge - Raised Blade
304G Stainless Steel & Zinc Plated

HNVN7516/SS
wgt. 0.16kg
- 304G Polished stainless steel
- Complete with 304G stainless steel pin & nylon bush
HNVN7516/ZP
wgt. 0.16kg
- Zinc plated
- Complete with 304G stainless steel pin & nylon bush

Door Hinge - Flat Blade
304G Stainless Steel & Zinc Plated

HNVN7090/SS
wgt. 0.25kg
- 304G Polished stainless steel
- Complete with 304G stainless steel pin
HNVN7090/ZP
wgt. 0.25kg
- Zinc plated
- Complete with 304G stainless steel pin

Door Hinge - Raised Blade
304G Stainless Steel & Zinc Plated

HNVN7110/SS
wgt. 0.20kg
- 304G Polished stainless steel
- Complete with 304G stainless steel pin
HNVN7110/ZP
wgt. 0.20kg
- Zinc plated
- Complete with 304G stainless steel pin

Nylon bush
**Door Hinge - Raised Blade**
304G Stainless Steel

HNVN7355/SS
wgt. 0.34kg
- 304G Polished stainless steel
- Complete with 304G stainless steel pin

**Door Hinge - Raised Blade**
304G Stainless Steel & Zinc Plated

HNVN7930/SS
wgt. 0.42kg
- 304G Polished stainless steel
- Complete with 304G stainless steel pin
HNVN7930/ZP
wgt. 0.42kg
- Zinc plated
- Complete with 304G stainless steel pin

**Door Hinge - Flat Blade**
304G Stainless Steel & Zinc Plated

HNVN7920/SS
wgt. 0.77kg
- 304G Polished stainless steel
- Complete with 304G stainless steel pin
HNVN7920/ZP
wgt. 0.77kg
- Zinc plated
- Complete with 304G stainless steel pin

**Door Hinge - Raised Blade**
304G Stainless Steel

HNVN7417/SS
wgt. 0.70kg
- 'Long reach' designed to clear refrigeration door seal
- 304G Polished stainless steel
- Complete with 304G stainless steel pin
**Door Hinge - Raised Blade**
304G Stainless Steel

**HNVN7966/SS**
wgt. 0.54kg
- 304G Polished stainless steel
- Complete with 304G stainless steel pin

**Door Hinge - Off-Set / Raised Blade**
304G Stainless Steel

**HNVN7920/18SS**
wgt. 0.48kg
- 304G Polished stainless steel
- Complete with 304G stainless steel pin

**Door Hinge - Raised Blade**
304G Stainless Steel & Zinc Plated

**HNVN7314/SS**
wgt. 0.88kg
- 304G Polished stainless steel
- Complete with 304G stainless steel pin

**HNVN7314/ZP**
wgt. 0.88kg
- Zinc plated
- Complete with 304G stainless steel pin

**Recessed 'Double-Knuckle' Hinge**
304G Stainless Steel

**MRF401240208**
wgt. 0.97kg
- 304G Polished stainless steel
- Allows doors to open 180°
- Supplied complete with 2 x back-plates
- 6 x ø6.5mm Countersunk fixing holes
**52mm SERIES Hinge Set Complete**

**Zinc Plated**

**HNVN52280/HSZP**

wgt. 0.90kg

- Zinc plated
- 4 x ø8.5mm Fixing holes in the hinge & 3 x ø8.5mm fixing holes in the bracket
- Complete with nylon bushes
- Each set comprises of: 1 x hinge blade
  - 1 x bracket
  - 1 x nut, bolt & 2 x washers

---

**52mm SERIES Hinge Set Complete**

**304G Stainless Steel**

**HNVN52280/HSSS**

wgt. 0.90kg

- 304G Stainless steel
- 4 x ø8.5mm Fixing holes in the hinge & 3 x ø8.5mm fixing holes in the bracket
- Complete with nylon bushes
- Each set comprises of: 1 x hinge blade
  - 1 x bracket
  - 1 x nut, bolt & 2 x washers
63mm SERIES Hinge Set Complete
Galvanized

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

63mm SERIES Hinge Blade
Galvanized

HNVN63300/HBGV
wgt. 0.80kg
- Nylon bushed
- Galvanized
- Replacement bush to suit: HNVN74310/BUSH

63mm SERIES Pressed Bracket
Galvanized

HNVN63300/BBGV
wgt. 0.34kg
- Galvanized
- 2 x ø10.2mm Fixing holes

Gasket Set
Recommended in all Applications

HNVN64295/GAS10
wgt. 0.18kg
- 10 Per set
- 1mm Natural rubber
- Provides a barrier between the hinge base and door panel
- Anti-corrosion advantages
- Suits all HNVN63300 & HNVN64295 hinges

Bolt & Nyloc Nut
304G Stainless Steel

HNVN63300/NBSS
wgt. 0.11kg
- L90mm x M12
- 304G Stainless steel

Pin & Circlip
304G Stainless Steel

HNVN64295/PCSS
wgt. 0.10kg
- L88 x ø12mm
- 304G Stainless steel
64mm SERIES Hinge Set Complete
Zinc Plated

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

HNVN64295/HSSZP
wgt. 1.23kg
- Zinc plated
- Each set comprises of:
  HNVN64295/BBZP
  HNVN64295/BBZP
  HNVN64295/NBSS
- 304G Stainless steel nut & bolt
- Component parts can be purchased individually

64mm SERIES Hinge Blade
Zinc Plated

HNVN64295/HBZP
wgt. 0.78kg
- Nylon bushed
- Zinc plated
- Replacement bush to suit: HNVN74310/BUSH

HNVN64360/HBZP
wgt. 1.10kg
- Nylon bushed
- Zinc plated
- Replacement bush to suit: HNVN74310/BUSH

HNVN64310/HBCZP
wgt. 1.70kg
- Nylon bushed
- Heavy-duty forged steel
- Zinc plated

Gasket Set
Recommended in all Applications

HNVN64295/GAS10
wgt. 0.18kg
- 10 Per set
- 1mm Natural rubber
- Provides a barrier between the hinge base and door panel
- Anti-corrosion advantages
- Suits all HNVN63300 & HNVN64295 hinges
**HINGES**

**64mm SERIES Welded Bracket - Angled Posts**

Zinc Plated

<table>
<thead>
<tr>
<th>HNVN64295/BBAZP</th>
<th>wgt. 0.25kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>● Zinc plated</td>
<td>● 2 x ø8.3mm Fixing holes</td>
</tr>
</tbody>
</table>

**64mm SERIES Welded Bracket - Upright Posts**

Zinc Plated

<table>
<thead>
<tr>
<th>HNVN64295/BBUZP</th>
<th>wgt. 0.25kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>● Zinc plated</td>
<td>● 2 x ø8.3mm Fixing holes</td>
</tr>
</tbody>
</table>

**64mm SERIES Pressed Bracket**

Zinc Plated

<table>
<thead>
<tr>
<th>HNVN64295/BBBP</th>
<th>wgt. 0.34kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>● Zinc plated</td>
<td>● 2 x ø8.3mm Fixing holes</td>
</tr>
</tbody>
</table>

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

Zinc Plated

<table>
<thead>
<tr>
<th>HNVN64295/UBBP</th>
<th>wgt. 0.16kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>● Zinc plated</td>
<td>● 2 x ø10.5mm Fixing holes</td>
</tr>
</tbody>
</table>

**64mm SERIES Weld-on 'U' Bracket - Narrow Base**

Self Colour

<table>
<thead>
<tr>
<th>HNVN64295/UB15</th>
<th>wgt. 0.14kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>● Self colour</td>
<td>● Weld-on</td>
</tr>
</tbody>
</table>

- **Bolt & Nyloc Nut**
  - Zinc Plated

<table>
<thead>
<tr>
<th>HNVN64295/NBZP</th>
<th>wgt. 0.11kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>● L90mm x M12</td>
<td>● Zinc plated</td>
</tr>
</tbody>
</table>

**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
304G Stainless Steel

**HNVN64295/HSSS**
- wgt. 1.16kg
- 304G Stainless steel
- Each set comprises of:
  - HNVN64295/HBSS
  - HNVN64295/BBSS
  - HNVN64295/NBSS
- Gasket set to suit: HNVN64295/GAS10, see page 153 for more information
- Component parts can be purchased individually, as shown below

**HNVN64295/HBSS**
- wgt. 0.78kg
- 304G Stainless steel
- Nylon bushed
- Gasket to suit: HNVN64295/GAS10, see page 153 for more information

**HNVN64295/BBSS**
- wgt. 0.34kg
- 304G Stainless steel
- 2 x ø8.3mm Fixing holes

**HNVN64295/NBSS**
- wgt. 0.12kg
- L90mm x M12
- 304G Stainless steel

**HNVN64295/PCSS**
- wgt. 0.10kg
- L88 x ø12mm
- 304G Stainless steel
**Hinges**

### 74mm SERIES Hinge Set Complete

- **Zinc Plated**

**HNVN74310/HSZP**
- Wgt. 1.21kg
- Zinc plated
- Each set comprises of: **HNVN74310/HBZP**, **HNVN74310/BBZP**, **HNVN74310/NBZP**
- Gasket set to suit: **HNVN74310/GAS10**, see page 157 for more information
- Component parts can be purchased individually, as shown below

### 74mm SERIES Hinge Blade

- **Zinc Plated**

**HNVN74310/HBZP**
- Wgt. 0.87kg
- Zinc plated
- Nylon bushed
- Gasket to suit: **HNVN74310/GAS10**, see page 157 for more information

### 74mm SERIES Pressed Bracket

- **Zinc Plated**

**HNVN74310/BBZP**
- Wgt. 0.23kg
- Zinc plated
- 2 x Ø8.3mm Fixing holes

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

- **Zinc Plated**

**HNVN74310/UBZP**
- Wgt. 0.17kg
- Zinc plated
- 2 x Ø10.5mm Fixing holes

---

### Bolt & Nyloc Nut

**Zinc Plated**

**HNVN74310/NBZP**
- Wgt. 0.12kg
- L107mm x M12
- Zinc plated

### Replacement Bush

**White Plastic**

**HNVN74310/BUSH**
- Wgt. 0.001kg
- Supplied singly
- Suits all **HNVN63300**, **HNVN64295**, **HNVN64360** & **HNVN74310** hinges
74mm SERIES Hinge Set Complete
304G Stainless Steel

HNVN74310/HSSS
wgt. 1.21kg
- 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

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

HNVN74310/BBSS
wgt. 0.22kg
- 304G Stainless steel
- 2 x ø8.3mm Fixing holes

HNVN74310/GAS10
wgt. 0.18kg
- 10 Per set
- 1mm Natural rubber
- Provides a barrier between the hinge base and door panel
- Anti-corrosion advantages
- Suits all HNVN74310 hinges

HNVN74310/NBSS
wgt. 0.12kg
- L107mm x M12
- 304G Stainless steel

Bolt & Nyloc Nut
304G Stainless Steel

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

Replacement Bush
White Plastic

Gasket Set
Recommended in all Applications

74mm SERIES Hinge Blade
304G Stainless Steel

74mm SERIES Pressed Bracket
304G Stainless Steel

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cbf.uk.com
## Hinges

### Locker Hinge

**304G Stainless Steel & Zinc Plated**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Weight</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HNVN460/SS</td>
<td>0.34kg</td>
<td>304G Polished stainless steel</td>
</tr>
<tr>
<td>HNVN460/ZP</td>
<td>0.34kg</td>
<td>Zinc plated</td>
</tr>
</tbody>
</table>

- 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 Hinge

**304G Stainless Steel & Zinc Plated**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Weight</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HNVN461/SS</td>
<td>0.38kg</td>
<td>304G Polished stainless steel</td>
</tr>
<tr>
<td>HNVN461/ZP</td>
<td>0.38kg</td>
<td>Zinc plated</td>
</tr>
</tbody>
</table>

- 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

**304G Stainless Steel & Zinc Plated**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Weight</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HNVN5068/SS</td>
<td>0.11kg</td>
<td>304G Polished stainless steel</td>
</tr>
<tr>
<td>HNVN5068/ZP</td>
<td>0.11kg</td>
<td>Zinc plated</td>
</tr>
</tbody>
</table>

- All locker hinges are supplied with a 304G stainless steel pin

### Locker Hinge

**304G Stainless Steel**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Weight</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HNVN4025/SS</td>
<td>0.15kg</td>
<td>304G Polished stainless steel</td>
</tr>
</tbody>
</table>

- All locker hinges are supplied with a 304G stainless steel pin
**Maintenance-Free Hinge**
**Zinc Plated**

- **HNVN2939/064ZP**
  - Wgt. 0.16kg
  - Zinc plated
  - 6 x ø6.4mm Countersunk fixing holes
  - Bronze bushing - smooth operation
  - 260° Opening
  - Stainless steel pin - no lubrication required
  - Robust & durable design

- **HNVN2939/066BLK**
  - Wgt. 0.15kg
  - Black painted
  - 5 x ø6.4mm Countersunk fixing holes
  - Bronze bushing - smooth operation
  - 260° Opening
  - Stainless steel pin - no lubrication required
  - Robust & durable design

- **HNVN2939/066GAS**
  - Gasket set to suit
  - 1mm Natural rubber
  - Anti-corrosion advantages

- **HNVN2939/066ZP**
  - Wgt. 0.15kg
  - Zinc plated
  - 5 x ø6.4mm Countersunk fixing holes
  - Bronze bushing - smooth operation
  - 260° Opening
  - Stainless steel pin - no lubrication required
  - Robust & durable design

- **HNVN2939/066GAS**
  - Gasket set to suit
  - 1mm Natural rubber
  - Anti-corrosion advantages
**Nylon Hinge**
Polyamide Composition

**HNMS295/64BLK**
wgt. 0.05kg
- L64 x W64mm
- 180° Opening
- Ø5mm Zinc plated pin
- Robust design
- 4 x Ø6mm Countersunk fixing holes

**Tail-Lift Hinge**
Zinc Plated

**HNVN1210/ZP**
wgt. 3.32kg
- 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
HINGES

**Tila '2200' Continuous Hinge**
To suit 22mm Panel Thickness
*Pre-Drilled*

- **HNMS631224/2400**
  - L2400mm
  - wgt. 2.55kg
  - 24 x ø4.0mm Fixing holes

- **HNMS631227/2700**
  - L2700mm
  - wgt. 3.00kg
  - 27 x ø4.0mm Fixing holes

- **HNMS631230/3000**
  - L3000mm
  - wgt. 3.25kg
  - 30 x ø4.0mm Fixing holes

- 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
  - wgt. 3.45kg
  - 12 x ø5.0mm Fixing holes

- **HNMS631247/2700**
  - L2700mm
  - wgt. 4.10kg
  - 13 x ø5.0mm Fixing holes

- **HNMS631250/3000**
  - L3000mm
  - wgt. 4.60kg
  - 15 x ø5.0mm Fixing holes

- **HNMS631260/4000**
  - L4000mm
  - wgt. 5.75kg
  - 20 x ø5.0mm Fixing holes

- 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.
- 270° Opening version, available upon request
**Continuous Hinge**

Aluminium, Self Colour, Stainless Steel & Zinc Plated

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Material Thickness (mm)</th>
<th>Width Closed (mm)</th>
<th>Pin Dia. (mm)</th>
<th>Weight (kgs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>HNCN1816A</td>
<td>1.22</td>
<td>32</td>
<td>6.0</td>
<td>1.54</td>
</tr>
</tbody>
</table>

**Self Colour**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Material Thickness (mm)</th>
<th>Width Closed (mm)</th>
<th>Pin Dia. (mm)</th>
<th>Weight (kgs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>HNCN1805S</td>
<td>1.22</td>
<td>22</td>
<td>3.2</td>
<td>0.96</td>
</tr>
<tr>
<td>HNCN1810S</td>
<td>1.22</td>
<td>25</td>
<td>4.5</td>
<td>1.25</td>
</tr>
<tr>
<td>HNCN1813S</td>
<td>1.22</td>
<td>29</td>
<td>4.5</td>
<td>1.35</td>
</tr>
<tr>
<td>HNCN1815S</td>
<td>1.22</td>
<td>32</td>
<td>4.5</td>
<td>1.44</td>
</tr>
<tr>
<td>HNCN1816S</td>
<td>1.22</td>
<td>32</td>
<td>6.0</td>
<td>1.68</td>
</tr>
</tbody>
</table>

**304G Stainless Steel**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Material Thickness (mm)</th>
<th>Width Closed (mm)</th>
<th>Pin Dia. (mm)</th>
<th>Weight (kgs)</th>
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</thead>
<tbody>
<tr>
<td>HNCN1606SS</td>
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<tr>
<td>HNCN1610SS</td>
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<td>28</td>
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<td>1.39</td>
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<tr>
<td>HNCN1618SS</td>
<td>1.50</td>
<td>33</td>
<td>6.0</td>
<td>1.96</td>
</tr>
<tr>
<td>HNCN1813SS</td>
<td>1.22</td>
<td>29</td>
<td>4.5</td>
<td>1.29</td>
</tr>
<tr>
<td>HNCN1816SS</td>
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<td>32</td>
<td>6.0</td>
<td>1.63</td>
</tr>
<tr>
<td>HNCN1622SS</td>
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<tr>
<td>HNCN1626SS</td>
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<td>43</td>
<td>4.5</td>
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</table>

**Zinc Plated**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Material Thickness (mm)</th>
<th>Width Closed (mm)</th>
<th>Pin Dia. (mm)</th>
<th>Weight (kgs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>HNCN1801ZP</td>
<td>1.22</td>
<td>16</td>
<td>3.2</td>
<td>0.71</td>
</tr>
<tr>
<td>HNCN1805ZP</td>
<td>1.22</td>
<td>22</td>
<td>3.2</td>
<td>0.96</td>
</tr>
<tr>
<td>HNCN1810ZP</td>
<td>1.22</td>
<td>25</td>
<td>4.5</td>
<td>1.25</td>
</tr>
<tr>
<td>HNCN1813ZP</td>
<td>1.22</td>
<td>29</td>
<td>4.5</td>
<td>1.35</td>
</tr>
<tr>
<td>HNCN1815ZP</td>
<td>1.22</td>
<td>32</td>
<td>4.5</td>
<td>1.44</td>
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<td>HNCN1816ZP</td>
<td>1.22</td>
<td>32</td>
<td>6.0</td>
<td>1.68</td>
</tr>
<tr>
<td>HNCN1817ZP</td>
<td>1.22</td>
<td>33</td>
<td>6.0</td>
<td>1.79</td>
</tr>
<tr>
<td>HNCN1204ZP</td>
<td>2.50</td>
<td>44</td>
<td>6.0</td>
<td>1.99</td>
</tr>
</tbody>
</table>

**Rigid PVC Hinge**

Weatherproof & Corrosion Resistant

HNMSCBF200/25  
L2500mm  
wgt. 0.90kg

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**  
Self Colour & Zinc Plated

**HNMS1838/75PR**  
wgt. 0.12kg  
- Self colour

**HNMS1838/75ZP/PR**  
wgt. 0.12kg  
- Zinc plated
- H75 x W50mm (open)  
- Supplied in pairs  
- Mild steel  
- 6 x ø6mm Countersunk fixing holes

**Coach Hinge**  
Self Colour

**HNMS300/50**  
wgt. 0.17kg  
W50 x L90mm (open length)

**HNMS300/75**  
wgt. 0.24kg  
W50 x L140mm (open length)

**HNMS300/100**  
wgt. 0.31kg  
W50 x L190mm (open length)  
- 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  
- Economy models available: flat ended, fixed washer

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Length (mm)</th>
<th>Cross Section (mm)</th>
<th>Pin Dia. (mm)</th>
<th>Weight (kgs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>HNMS10/080GN</td>
<td>80</td>
<td>12/14</td>
<td>7</td>
<td>0.07</td>
</tr>
<tr>
<td>HNMS10/100GN</td>
<td>100</td>
<td>14/16</td>
<td>8</td>
<td>0.10</td>
</tr>
<tr>
<td>HNMS10/120GN</td>
<td>120</td>
<td>16/18</td>
<td>9</td>
<td>0.17</td>
</tr>
<tr>
<td>HNMS10/135GN</td>
<td>135</td>
<td>18/22</td>
<td>12</td>
<td>0.30</td>
</tr>
<tr>
<td>HNMS10/150GN</td>
<td>150</td>
<td>20/25</td>
<td>13</td>
<td>0.40</td>
</tr>
</tbody>
</table>

**Lift-Off Hinge**  
Self Colour

**HNMS226/LH**  
wgt. 0.17kg  
- Left hand

**HNMS226/RH**  
wgt. 0.17kg  
- Right hand  
- 3mm Mild steel

**Pressed Hinge**  
Self Colour

**HNMS2202/UD**  
wgt. 0.20kg  
- 3mm Mild steel  
- Un-drilled

---

Head Office: 01707 371161  
Midlands Division: 0121 5200100  
sales@cbf.uk.com  
cbf.uk.com
**Hinges**

**Straight Hinge**
Self Colour & Zinc Plated

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Length (mm)</th>
<th>Width (mm)</th>
<th>Thickness (mm)</th>
<th>Hole Dia. (mm)</th>
<th>Weight (kgs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AHNG4/18306SC</td>
<td>450</td>
<td>30</td>
<td>6</td>
<td>12.5</td>
<td>0.66</td>
</tr>
<tr>
<td>AHNG4/18408SC</td>
<td>450</td>
<td>40</td>
<td>8</td>
<td>12.5</td>
<td>1.29</td>
</tr>
<tr>
<td>AHNG4/24408SC</td>
<td>600</td>
<td>40</td>
<td>8</td>
<td>12.5</td>
<td>1.72</td>
</tr>
<tr>
<td>AHNG4/30408SC</td>
<td>760</td>
<td>40</td>
<td>8</td>
<td>12.5</td>
<td>1.97</td>
</tr>
</tbody>
</table>

- Suits ø12mm gudgeon pins
- See pages 166 - 167 for gudgeon pins

**Short Hinge**
Self Colour & Zinc Plated

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Length (mm)</th>
<th>Width (mm)</th>
<th>Thickness (mm)</th>
<th>Hole Dia. (mm)</th>
<th>Weight (kgs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AHNG2/306SC</td>
<td>50</td>
<td>30</td>
<td>6</td>
<td>12.5</td>
<td>0.14</td>
</tr>
<tr>
<td>AHNG2/408SC</td>
<td>50</td>
<td>40</td>
<td>8</td>
<td>12.5</td>
<td>0.25</td>
</tr>
<tr>
<td>AHNG2/70408SC</td>
<td>70</td>
<td>40</td>
<td>8</td>
<td>12.5</td>
<td>0.27</td>
</tr>
<tr>
<td>AHNG121/306SC</td>
<td>150</td>
<td>30</td>
<td>6</td>
<td>12.5</td>
<td>0.27</td>
</tr>
<tr>
<td>AHNG121/408SC</td>
<td>150</td>
<td>40</td>
<td>8</td>
<td>12.5</td>
<td>0.51</td>
</tr>
<tr>
<td>AHNG121/40816SC</td>
<td>150</td>
<td>40</td>
<td>8</td>
<td>16.5</td>
<td>0.51</td>
</tr>
</tbody>
</table>

- Suits ø12mm gudgeon pins, except **AHNG121/40816SC** suits ø16mm gudgeon pins
- See pages 166 - 167 for gudgeon pins
**AMSC330/12**  
wgt. 0.11kg  
- A = ø12.5mm  
- B = ø25mm

**AMSC330/16**  
wgt. 0.13kg  
- A = ø16.5mm  
- B = ø32mm

**TIR Hinge Block**  
Weld on

**Hinge Tube**  
Weld on

**AHNG713**  
wgt. 0.19kg  
- Self colour  
- Suits ø12mm gudgeon pins  
- See pages 166 - 167 for gudgeon pins

**AHNG324**  
wgt. 0.44kg  
- Self colour  
- Suits ø16mm gudgeon pins  
- See pages 166 - 167 for gudgeon pins

**AHNG119/12**  
wgt. 0.53kg  
- A = ø12.5mm  
- Suits ø12mm gudgeon pins

**AHNG119/16**  
wgt. 0.50kg  
- A = ø16.5mm  
- Suits ø16mm gudgeon pins  
- Self colour  
- See pages 166 - 167 for gudgeon pins

**AHNG120A**  
wgt. 0.57kg  
- Self colour  
- Suits ø12mm gudgeon pins  
- See pages 166 - 167 for gudgeon pins

**AHNG1054**  
wgt. 0.26kg  
- Aluminium body complete with steel bush  
- Anodised surface coating  
- Suits ø12mm gudgeon pins  
- See pages 166 - 167 for gudgeon pins

**AHNG119/12**  
wgt. 0.53kg  
- A = ø12.5mm  
- Suits ø12mm gudgeon pins

**AHNG119/16**  
wgt. 0.50kg  
- A = ø16.5mm  
- Suits ø16mm gudgeon pins  
- Self colour  
- See pages 166 - 167 for gudgeon pins

**Forged Steel Hinge**  
Weld-on

**Forged Steel Hinge**  
Weld-on

**Forged Steel Hinge**  
Weld-on

**Forged Steel Hinge**  
Weld-on

**Forged Steel Hinge**  
Weld-on
### Hinges

#### ø12mm Bolt-on Gudgeon
- **Self Colour**
- **ø12**
- **ø8.5**
- **ø16**
- **ø10.5**

**AROP22/STSC**
- wgt. 0.17kg
- Self colour
- Standard pin length
- Mild steel
- 2 x ø8.5mm Fixing holes

**AROP22/STZP**
- wgt. 0.17kg
- Zinc plated
- Standard pin length
- Mild steel
- 2 x ø8.5mm Fixing holes

**AROP22/LP**
- wgt. 0.18kg
- Self colour
- Long pin
- Mild steel
- 2 x ø8.5mm Fixing holes

**AROP22/LPS**
- wgt. 0.17kg
- Self colour
- Slotted / long pin
- Mild steel
- 2 x ø8.5mm Fixing holes

**AROP22/16**
- wgt. 0.28kg
- Self colour
- 62mm Pin length
- Mild steel
- 2 x ø10.5mm Fixing holes

#### ø12mm Bolt-on Gudgeon
- **Zinc Plated**

**Typical application**
**HINGES**

### AROP21/ST

- **wgt. 0.14kg**
- Self colour
- Standard pin length
- Mild steel

### AROP21/LP

- **wgt. 0.15kg**
- Self colour
- Long pin
- Mild steel

### AROP21/LPS

- **wgt. 0.14kg**
- Self colour
- Slotted / long pin
- Mild steel

### AROP21/LPN

- **wgt. 0.15kg**
- Self colour
- Standard pin length
- Mild steel
- Supplied with thread pin & nyloc nut

### AROP21/16

- **wgt. 0.20kg**
- Self colour
- 60mm Pin length
- Mild steel

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Head Office: 01707 371161  Midlands Division: 0121 5200100  sales@cbf.uk.com  cbf.uk.com
**ALEV904/905ZP**

**Weight:** 0.49kg

- Each set includes: 1 x ø12mm gudgeon
  - 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

**ALEV909/910ZP**

**Weight:** 0.64kg

- Each set includes: 1 x ø12mm gudgeon
  - 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

**ALEV906/907ZP**

**Weight:** 0.66kg

- Each set includes: 1 x ø15mm gudgeon
  - 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

**Safety Sideboard Hinge Set**

**AT600 Surface Coated Heavy Duty**

**ALEV901/902AT**

**Weight:** 0.76kg

- Each set includes: 1 x ø15mm gudgeon
  - 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 ø8.3mm Fixing holes
AROP410
wgt. 0.38kg
- 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

AROP410/FP/ZP
Optional fixing plate
wgt. 0.29kg
- L120 x W120 x T3.5mm
- Typically used to sandwich between lashing ring and floor base

AROP510/DR
wgt. 0.44kg
- 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

AROP430
wgt. 0.54kg
- Permissible tensile load: 500kg (0.5T)
- L150 x W125mm
- Recess: L134 x W70 x D21mm
- Complete with spring loaded ring
- High tensile bolts required in all applications
- 6 x ø7.3mm Countersunk fixing holes
- Test certification available upon request
**LASHING RINGS**

**Recessed Pivotal Lashing Ring**
Galvanized

**AROP340**
wgt. 0.83kg
- Permissible tensile load: 2000kg (2.0T)
- Complete unit includes:
  - 1 x swivel ring
  - 1 x pan
  - 2 x seal plates
  - 1 x rubber seal
- ø152mm
- Recess: ø140 x D18mm
- Universally jointed to withstand loads enforced in any direction
- Weld-on ring
- 4 x ø6.5mm Countersunk (pan) fixing holes
- Fitting instructions and test certification available upon request

**Pivotal Lashing Ring**
Galvanized

**AROP340/R**
wgt. 0.38kg
- 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

**AROP9096/2500SC**
wgt. 0.89kg
- Permissible tensile load: 2500kg (2.5T)
- L90 x W96 x D28mm
- Drain hole in base
- Weld-on
- Test certification available upon request

**AROP6640/GV**
wgt. 0.31kg
- Permissible tensile load: 500kg (0.5T)
- Complete unit includes:
  - 1 x ring, pan & cleat
  - ø103 x D18mm
- Recess: ø88 x D16mm
- Fully recessed, ideal for cross member attachment
- High tensile bolts required in all applications
- Test certification available upon request

**Recessed Lashing Ring**
Self Colour

**AROP9096/GV**
wgt. 0.54kg
- Permissible tensile load: 750kg (0.75T)
- Complete unit includes:
  - 1 x ring, pan, cleat & back plate
  - ø103 x D18mm
- Recess: ø88 x D16mm
- Fully recessed, ideal for cross member attachment
- High tensile bolts required in all applications
- Test certification available upon request

**Recessed Lashing Ring**
Zinc Plated

**AROP665/GV**
wgt. 0.31kg
- Permissible tensile load: 500kg (0.5T)
- Complete unit includes:
  - 1 x ring, pan & cleat
  - ø103 x D18mm
- Recess: ø88 x D16mm
- Fully recessed, ideal for cross member attachment
- High tensile bolts required in all applications
- Test certification available upon request
Under-Floor Lashing Ring
Galvanized / Self Colour

**AROPCBF250**
- wgt. 1.08kg
- Permissible tensile load: 3500kg (3.5T)
- Bracket: self colour
- Weld-on
- Galvanized ring: W15 x D15mm
- Test certification available upon request

Under-Floor Lashing Link
CP350 Surface Coated

**AROP2525**
- wgt. 0.41kg
- 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 179-180

Typical application using an over-centre strap fitted with flat 'J' hooks
### Bolt-on Pan Fitting with 'D' Ring
**Zinc Plated**

**AROP7190**  
- Weight: 0.08kg  
- Permissible tensile load: not rated  
- Diameter: 101mm  
- Plate trim: polyurethane  
- Low profile mounting in small vans and horseboxes  
- Ring is designed to stay centred  
- Diameter: 10.3mm Fixing hole  
- Only 11mm protrusion

**AROP7190/SS**  
- Weight: 0.08kg  
- Permissible tensile load: not rated  
- Diameter: 101mm  
- Plate trim: polyurethane  
- Low profile mounting in small vans and horseboxes  
- Ring is designed to stay centred  
- Diameter: 10.3mm Fixing hole  
- Only 11mm protrusion

### Bolt-on Lashing Ring & Cleat
**Zinc Plated**

**AROP51/10**  
- Weight: 0.17kg  
- Permissible tensile load: 725kg (0.725T)  
- High tensile bolts required in all applications  
- Test certification available upon request

**AROP56/13**  
- Weight: 0.42kg  
- Permissible tensile load: 1500kg (1.5T)  
- High tensile bolts required in all applications  
- Test certification available upon request

### Bolt-on Rocking Staple
**Zinc Plated**

**AROP3309/55**  
- Weight: 0.04kg  
- Permissible tensile load: not rated  
- Ring: L55 x W34 x ø6mm  
- Staple: L50 x W20  
- 2 x ø6mm Fixing holes  

### Bolt-on Lashing Ring and Cleat
**Zinc Plated**

**AROP7190/R**  
- Weight: 0.07kg  
- Ring only
### LASHING RINGS

#### AROP357/NP
- **wgt.** 0.38kg
- Permissible tensile load: 1000kg (1.0T)
- Bracket: self colour
- Ring: zinc plated
- Test certification available upon request

#### AROP357/SP
- **wgt.** 0.55kg
- Permissible tensile load: 1000kg (1.0T)
- Bracket: self colour
- Ring: zinc plated
- Test certification available upon request

#### AROP357/LP
- **wgt.** 0.65kg
- Permissible tensile load: 1000kg (1.0T)
- Bracket: self colour
- Ring: zinc plated
- Test certification available upon request

#### AROP357/LP/DGV
- **wgt.** 0.64kg
- Permissible tensile load: 1000kg (1.0T)
- Bracket: galvanized
- Ring: galvanized
- 2 x ø10.5mm Fixing holes
- Test certification available upon request

#### AROP357/BOGV
- **wgt.** 0.37kg
- Permissible tensile load: 1000kg (1.0T)
- Bracket: galvanized
- Ring: galvanized
- 2 x ø10.5mm Fixing holes
- Test certification available upon request

#### AROP357/R
- **wgt.** 0.24kg
- Permissible tensile load: 1000kg (1.0T)
- Zinc plated
- Test certification available upon request
**LASHING RINGS**

### Bolt-on Lashing Ring

**Zinc Plated**

- **AROP4574**
  - wgt. 0.12kg
  - Permissible tensile load: not rated
  - Plate: L74 x W45mm
  - Ring: ø70 x ø7mm
  - 4 x ø6.5mm Fixing holes

### Bolt-on Lashing Ring

**304G Stainless Steel & Zinc Plated**

- **AROP3473/SS**
  - 304G Stainless steel
- **AROP3473/ZP**
  - Zinc plated
  - wgt. 0.17kg
  - Permissible tensile load: not rated
  - Plate: L50 x W40mm
  - Ring: ø66 x ø8mm
  - 4 x ø5mm Fixing holes

### Bolt-on Lashing Eye

**CP350 Surface Coated**

- **AEYE418/16**
  - wgt. 0.30kg
  - Permissible tensile load: Not rated
  - Ring: ø62 x ø10mm (inner dia. ø42mm)
  - Shank: ø16 x L80mm (45mm thread)
  - Supplied complete with nyloc nut and washer

### Welded Ring

**Self Colour**

- **AMSC279/50**
  - wgt. 0.10kg
  - Ring: ø69 x ø9.5mm (inner dia. ø51mm)

### Welded Ring

**Zinc Plated**

- **AROP4573/SS**
  - 304G Stainless steel
- **AROP4573/ZP**
  - Zinc plated
  - wgt. 0.17kg
  - Permissible tensile load: not rated
  - Plate: L50 x W40mm
  - Ring: ø66 x ø8mm
  - 4 x ø5mm Fixing holes

### Bolt-on Lashing Ring

**304G Stainless Steel & Zinc Plated**

- **AROP4574**
  - wgt. 0.12kg
  - Permissible tensile load: not rated
  - Plate: L74 x W45mm
  - Ring: ø70 x ø7mm
  - 4 x ø6.5mm Fixing holes

### Staple

**Black Epoxy Coated Cast Steel**

- **MISC69/30**
  - A = 30mm
  - wgt. 0.02kg
- **MISC69/40**
  - A = 40mm
  - wgt. 0.03kg
- **MISC69/50**
  - A = 50mm
  - wgt. 0.04kg
Lashing Link
Yellow Painted
PTL 12000kg

**AFER25/12000/YEL**

- Wgt. 1.44kg
- 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

**Weld-on Cleat**
Self Colour

**AFER25/12000/WOSC**

- Wgt. 0.45kg
- Permissible tensile load: 12000kg (12.0T) when used in conjunction with **AFER25/12000/YEL**
- Test certification available upon request

**Bolt-on Cleat**
Galvanized

**AFER25/12000/BOGV**

- Wgt. 0.98kg
- Permissible tensile load: 12000kg (12.0T) when used in conjunction with **AFER25/12000/YEL**
- 4 x ø12.5mm Fixing holes
- Test certification available upon request

---

**EN29367-2 CRITERIA**
abbreviated version

Each lashing point shall allow the free passage inside it of a circle of at least ø80mm, 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.
**LASHING RINGS**

**Lashing Link Set**
*Self Colour PTL 2000kg*

AFER20/2000SC
wgt. 1.15kg
- Permissible tensile load: 2000kg (2.0T)
- High tensile steel
- Material: ø20mm
- Supplied with weld-on cleat
- Test certification available upon request

**Lashing Link Set**
*Self Colour PTL 8000kg*

AFER25/8000SC
wgt. 1.59kg
- Permissible tensile load: 8000kg (8.0T)
- High tensile steel
- Material: ø24mm
- Supplied with weld-on cleat
- Test certification available upon request

**Lashing Link & Cleat**
*Self Colour PTL 5000kg*

AFER22/5000SC
wgt. 1.18kg
- Lashing link
- Material: W20 x D23mm

AFER22/5000/WOSC
wgt. 0.50kg
- Weld-on cleat
- 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
wgt. 0.06kg

- 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

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 282

- 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

Strap Guide
Black HDPE Plastic

CARG26/10940/BLK
Wgt. 0.05kg

- L107 x W38 x D24mm
- Suitable for use with 50mm webbing
- Heavy duty HDPE plastic
- 2 x ø6mm Fixing holes
**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

**Rope Tie-Off**

Suits Universal & 'E' Tracks

**CARG1809C**

- Safe load capacity: 1000kg
- Ultimate load capacity: 2000kg
- Webbing: L73 x W45mm
- Suits CARG1065/3050/ZP - Heavy duty universal track - see page 182

**Side Curtain Strap**

Polyester Webbing

**CARG8402K**

- Black polyester
- Replacement strap
- Closed rave hook
- Zinc plated overcentre buckle

**CARG0503K**

- Black polyester
- Tension end only
- Closed rave hook

**Polyester Webbing**

50mm Wide

**CARG50**

- Safe load capacity: 700kg
- Ultimate load capacity: 1400kg
- Black polyester
- Supplied per metre
- Test certification available upon request
**Internal Strap Assemblies**
Polyester Webbing with Overcentre Buckle

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Working Length (mtr)</th>
<th>End Fitting</th>
<th>To Suit</th>
<th>Weight (kgs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CARG3309B</td>
<td>2.75</td>
<td>Claw Hook</td>
<td>Claw Hook</td>
<td>0.59</td>
</tr>
<tr>
<td>CARG3314B</td>
<td>4.20</td>
<td>Claw Hook</td>
<td>Claw Hook</td>
<td>0.68</td>
</tr>
<tr>
<td>CARG3314JK</td>
<td>4.25</td>
<td>Flat 'I' Hook</td>
<td>Snap Hook</td>
<td>0.72</td>
</tr>
<tr>
<td>CARG3314RK</td>
<td>4.25</td>
<td>Closed Rave Hook</td>
<td>Ring</td>
<td>0.72</td>
</tr>
<tr>
<td>CARG3314SK</td>
<td>4.25</td>
<td>Closed Rave Hook</td>
<td>Snap Hook</td>
<td>0.72</td>
</tr>
</tbody>
</table>

- 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

**Car Transporter Wheel Strap**
Rave Hook Ends

CARG2013/50/CTWS
wgt. 1.94kg

- 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

**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.
## LOAD RESTRAINT

### Ratchet Strap - Heavy Duty

**Rave Hook Ends**

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Weight</th>
<th>Overall Length</th>
<th>Safe Load Capacity</th>
<th>Ultimate Load Capacity</th>
<th>Webbing Type</th>
<th>Ends Type</th>
<th>Additional Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>CARG2624H</td>
<td>2.34kg</td>
<td>8 Metre</td>
<td>2000kg</td>
<td>4000kg</td>
<td>50mm Webbing</td>
<td>Rave hook</td>
<td>Manufactured in accordance with BS EN12195-2:2001</td>
</tr>
<tr>
<td>CARG2630H</td>
<td>2.53kg</td>
<td>10 Metre</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CARG2624J</td>
<td>2.34kg</td>
<td>8 Metre</td>
<td>2500kg</td>
<td>5000kg</td>
<td>50mm Webbing</td>
<td>Flat 'J' hook</td>
<td>Designed to be used in conjunction with AROP2525 - see page 171</td>
</tr>
<tr>
<td>CARG2630J</td>
<td>2.53kg</td>
<td>10 Metre</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CARG2624V</td>
<td>2.34kg</td>
<td>8 Metre</td>
<td>2000kg</td>
<td>4000kg</td>
<td>50mm Webbing</td>
<td>Claw hook</td>
<td></td>
</tr>
<tr>
<td>CARG2630V</td>
<td>2.53kg</td>
<td>10 Metre</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Ratchet Strap - Medium Duty

**Claw Hook Ends**

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Weight</th>
<th>Overall Length</th>
<th>Safe Load Capacity</th>
<th>Ultimate Load Capacity</th>
<th>Webbing Type</th>
<th>Ends Type</th>
<th>Additional Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>CARG1514B</td>
<td>0.93kg</td>
<td>4.2 Metre</td>
<td>1000kg</td>
<td>2000kg</td>
<td>50mm Webbing</td>
<td>Claw hook</td>
<td>Manufactured in accordance with BS EN12195-2:2001</td>
</tr>
</tbody>
</table>
**Cushioned Rub Rail**
Birch Plywood Core, PVC Vinyl Exterior

### MISC7544/CRR
- **wgt.** 2.50kg
- L2440 x W75 x D44mm

### MISC15044/CRR
- **wgt.** 5.00kg
- L2440 x W150 x D44mm
- 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

**Aluminium Tie Rail**
Padded Profile

### MISC14926/4000AL
- **wgt.** 4.10kg
- L4000 x W149 x D26mm
- 2mm Aluminium extrusion complete with red carpet style padding (approx. 3mm)
- Ideal for use when transporting fragile goods

**Harwood Tie Rail**
'Keruing'

### MISC6315/1213
- **wgt.** 0.70kg per metre
- W63 x T15mm
- Durable 'keruing' hardwood (750kg/m3)
- Colour: pink / brown
- 'Pencil round edges'
- Available in mixed lengths: 3.6 – 3.9 Metres (12’ – 13’)

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Head Office: 01707 371161    Midlands Division: 0121 5200100    sales@cbf.uk.com    cbf.uk.com
LOAD RESTRAINT

Standard Load Restraint Track
Galvanized

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Length</th>
<th>Weight</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>CARG1805/3050/GV</td>
<td>wgt. 2.40kg</td>
<td>3050mm</td>
<td></td>
<td>Length: 3050mm&lt;br&gt;W66 x D14mm&lt;br&gt;Gauge: 1.50mm&lt;br&gt;Holes: ø25mm&lt;br&gt;ø4.2mm Fixing holes&lt;br&gt;Fits vertically or horizontally</td>
</tr>
<tr>
<td>CARG1805/4120/GV</td>
<td>wgt. 3.24kg</td>
<td>4120mm</td>
<td></td>
<td>Length: 4120mm&lt;br&gt;W66 x D14mm&lt;br&gt;Gauge: 1.50mm&lt;br&gt;Holes: ø25mm&lt;br&gt;ø4.2mm Fixing holes&lt;br&gt;Fits vertically or horizontally</td>
</tr>
</tbody>
</table>

Heavy-Duty Load Restraint Track
Zinc Plated

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Length</th>
<th>Weight</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>CARG1806/3050/ZP</td>
<td>wgt. 4.10kg</td>
<td>3050mm</td>
<td></td>
<td>L3050 x W82 x D15mm&lt;br&gt;Gauge: 2.50mm&lt;br&gt;Holes: ø25mm&lt;br&gt;ø6.5mm Fixing holes&lt;br&gt;Fits vertically or horizontally with notch upwards&lt;br&gt;End cap to suit: CARG1806/EC – see page 183</td>
</tr>
</tbody>
</table>

Heavy-Duty Load Restraint Track
Stainless Steel

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Length</th>
<th>Weight</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>CARG1806/3050/SS</td>
<td>wgt. 3.30kg</td>
<td>3050mm</td>
<td></td>
<td>L3050 x W80 x D14mm&lt;br&gt;Gauge: 2.00mm&lt;br&gt;Holes: ø25mm&lt;br&gt;ø6.5mm Fixing holes&lt;br&gt;Fits vertically or horizontally with drainage hole down&lt;br&gt;End cap to suit: CARG1806/EC – see page 183</td>
</tr>
</tbody>
</table>

Heavy-Duty 'Universal' Load Restraint Track
Zinc Plated

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Length</th>
<th>Weight</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>CARG1065/3050/ZP</td>
<td>wgt. 6.30kg</td>
<td>3050mm</td>
<td></td>
<td>L3050 x W132 x D12mm&lt;br&gt;Gauge: 2.50mm&lt;br&gt;Holes: ø25mm&lt;br&gt;Slots: H61 x W20mm&lt;br&gt;ø5.2mm Fixing holes&lt;br&gt;Fits horizontally&lt;br&gt;End cap to suit: CARG1065/EC – see page 183</td>
</tr>
</tbody>
</table>

Lashing Rail Track
Aluminium Extrusion / PVC Covered

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Length</th>
<th>Weight</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>CARG1990/3000/AL</td>
<td>wgt. 4.09kg</td>
<td>3000mm</td>
<td></td>
<td>L3000 x W66 x D23mm&lt;br&gt;Gauge: 2.00mm aluminium extrusion&lt;br&gt;Bar centres: 120mm&lt;br&gt;ø10mm Fixing holes&lt;br&gt;Fits horizontally&lt;br&gt;Ideal for furniture / removal vehicles&lt;br&gt;Suits: CARG3309B, CARG3314B straps (page 179) &amp; aluminium shoring poles (page 185)</td>
</tr>
</tbody>
</table>
**CARGCBF34A**

- **wgt. 2.50kg**
  - L3000 x W34 x D8.5mm
  - Gauge: 2.50mm
  - Holes: Ø20mm
  - Hole centres: 25mm
  - For horizontal wall mounting or floor fixing

**CARGCBF61A**

- **wgt. 2.00kg**
  - L2971 x W62 x D9mm
  - Gauge: 2.50mm
  - Holes: Ø20mm
  - Hole centres: 25mm
  - Ø6mm Fixing holes
  - For horizontal wall mounting or floor fixing

**Plastic End Caps**

Suits CARG1805, CARG1806 & CARG1065 Tracks

**CARG1805/EC**

- **wgt. 0.001kg**
  - Suits CARG1805 tracks

**CARG1806/EC**

- **wgt. 0.001kg**
  - Suits CARG1806 tracks

**CARG1065/EC**

- **wgt. 0.002kg**
  - Suits CARG1065/3050/ZP track

**Single Stud Fitting**

CP350 Surface Coated

**REST25STF/18**

- **wgt. 0.08kg**
  - Ring: Ø39 x Ø5mm (inner dia. 29mm)
  - Overall height: 33mm (not including ring)
  - Suits CARGCBF34A & CARGCBF61A track

**Double Stud Fitting**

CP350 Surface Coated

**REST50CDSR/10**

- **wgt. 0.15kg**
  - Ring: L66 x Ø7mm
  - Overall height: 25mm
  - Suits CARGCBF34A & CARGCBF61A track
Load Bars
Aluminium & Mild Steel

- Heavy duty mild steel
- To be used in conjunction with CARG/CO load bars & cups - see below

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Material</th>
<th>Finish</th>
<th>Length (mm)</th>
<th>Width (mm)</th>
<th>Depth (mm)</th>
<th>Thickness (mm)</th>
<th>Maximum Uniform Distributed Load</th>
<th>Weight (kgs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CARGB001/2490</td>
<td>Mild Steel</td>
<td>Zinc Plated</td>
<td>2490</td>
<td>40</td>
<td>40</td>
<td>4</td>
<td>2200kgs</td>
<td>9.38</td>
</tr>
<tr>
<td>CARGB009/2490</td>
<td>Mild Steel</td>
<td>Zinc Plated</td>
<td>2490</td>
<td>60</td>
<td>40</td>
<td>3</td>
<td>2900kgs</td>
<td>10.03</td>
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<tr>
<td>CARGB011/2490</td>
<td>Mild Steel</td>
<td>Zinc Plated</td>
<td>2490</td>
<td>60</td>
<td>40</td>
<td>4</td>
<td>3400kgs</td>
<td>12.82</td>
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<tr>
<td>CARGB026/2490</td>
<td>Aluminium</td>
<td>Mill</td>
<td>2490</td>
<td>40</td>
<td>40</td>
<td>2/8*</td>
<td>3400kgs</td>
<td>5.60</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Suitable Track</th>
<th>Suitable Load Bar (mm)</th>
<th>Additional Information</th>
<th>Weight (kgs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CARG/CO05BAR</td>
<td>CARG1806/3050/ZP&amp; SS</td>
<td>40 x 40</td>
<td>complete with retaining bar</td>
<td>1.35</td>
</tr>
<tr>
<td>CARG/CO06CLIP</td>
<td>CARG1806/3050/ZP&amp; SS</td>
<td>40 x 40</td>
<td>complete with retaining clip</td>
<td>1.35</td>
</tr>
<tr>
<td>CARG/CO13BAR</td>
<td>CARG1806/3050/ZP&amp; SS</td>
<td>60 x 40</td>
<td>complete with retaining bar</td>
<td>1.39</td>
</tr>
<tr>
<td>CARG/CO14CLIP</td>
<td>CARG1806/3050/ZP&amp; SS</td>
<td>60 x 40</td>
<td>complete with retaining clip</td>
<td>1.39</td>
</tr>
<tr>
<td>CARG/CO27BAR</td>
<td>CARG1065/3050/ZP</td>
<td>60 x 40</td>
<td>complete with retaining bar</td>
<td>1.55</td>
</tr>
<tr>
<td>CARG/CO28CLIP</td>
<td>CARG1065/3050/ZP</td>
<td>60 x 40</td>
<td>complete with retaining clips</td>
<td>1.55</td>
</tr>
</tbody>
</table>
LOAD RESTRAINT

Round Telescopic Shoring Pole
Mild Steel - Zinc Plated

- Adjustable length
- Fits ø25mm round hole track – see page 182
- Spring loaded end
- Maximum load capacity: 400kgs, evenly distributed
- Other sizes available upon request

CARG13560/13017
wgt. 4.35kg
Adjustable length: 1300 to 1700mm
ø44mm Main tube x 2.60mm wall thickness

CARG13560/17021
wgt. 6.00kg
Adjustable length: 1700 to 2100mm
ø44mm Main tube x 2.60mm wall thickness

CARG13560/20525
wgt. 7.06kg
Adjustable length: 2050 to 2550mm
ø44mm Main tube x 2.60mm wall thickness

CARG13560/23226
wgt. 8.47kg
Adjustable length: 2320 to 2660mm
ø42mm Main tube x 2.75mm wall thickness

CARG1990/3000/AL
Aluminium lashing rail track
ø24mm round/slotted steel ends

40% LIGHTER THAN STEEL!

Round Telescopic Shoring Pole
Aluminium

- Adjustable length
- Fits ø25mm round hole track – see page 182
- Spring loaded end
- Maximum load capacity: 400kgs, evenly distributed
- Other sizes available upon request

CARG13560/13717/ALU
wgt. 3.50kg
Adjustable length: 1375 to 1750mm
3mm Wall thickness  Max. load: 200kgs evenly distributed

CARG13560/23827/ALU
wgt. 4.35kg
Adjustable length: 2385 to 2760mm
5mm Wall thickness  Max. load: 400kgs evenly distributed

- ø42mm Main tube
- Adjustable length
- Multi-purpose ø24mm round/slotted ends suit a range of tracks, including the CARG1990/3000/AL lashing rail track
- Spring loaded end
- Other sizes available upon request

Square Telescopic Shoring Pole
Mild Steel - Zinc Plated

CARG50503
wgt. 10.50kg
Adjustable length: 2020 to 2590mm
Without handles

CARG50503/H
wgt. 11.19kg
Adjustable length: 2020 to 2590mm
With 2 x steel handles

- W50 x D50 x T3mm - Box section
- Adjustable length
- Fits ø25mm round hole track – see page 182
- Spring loaded end
- Maximum load capacity: 1670kgs (evenly distributed)
- Other sizes available upon request
**LOAD RESTRAINT**

**Horsebox Partition Poles**
Aluminium, Mild Steel (Zinc Plated) & Stainless Steel

- Fits ø25mm round hole track – see page 182
- ø44mm x 2.6mm 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
wgt. 4.50kg
- Outer aluminium tube: ø38mm
- Inner steel tube: ø31mm
- 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

**Decking Bracket**
Zinc Plated

**CARG1844**
wgt. 0.26kg
- L80 x W48 x H65mm
- Suits CARG1806/3050/ZP & CARG1806/3050/SS tracks, see page 182
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

**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
- Ø33.7mm (outer dia.) x 4mm Wall thickness
- Zinc plated
- When ordering please confirm the panel to panel measurement

### 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 182), a pin can be added to fit into the notch at 11 o’clock to stop the pole rotating
- Ø33.7mm (outer dia.) x 4mm Wall thickness
- Zinc plated
- When ordering please confirm the track to track measurement

**Garment Rail Pole Only**

LKGR34/2440ZP
wgt. 7.00kg
- L2440 x Ø34mm
- 4mm Wall thickness
- Mild steel
- Zinc plated
- To be used in conjunction with CARG1844 decking bracket
M2 & M3 Roll Pallet Locking Systems
Wall Mounted

For securing full roll pallets onto side wall for central aisle picking on regular and multi-drop delivery vans / trucks.

M2 & M3 Systems are very similar, the main difference is the track profile.
M2 track is smooth faced whereas the M3 track has a recessed channel running along the length.

All types of retaining slides and fittings are available to suit any size of roll pallet – either using the Radial Lock Assembly or Wedge Anchor for the final securing lock on the end pallet.

- When ordering please confirm the cage frame diameter / dimensions & how many to be secured to each side

**M2 System**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Weight (kgs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>X-CARGM2/3000</td>
<td>Aluminium captive track, 3000mm</td>
<td>3.80</td>
</tr>
<tr>
<td>X-CARGM2/005</td>
<td>Adjustable end stop</td>
<td>0.50</td>
</tr>
<tr>
<td>X-CARGM2/007</td>
<td>Intermediate slide</td>
<td>0.38</td>
</tr>
<tr>
<td>X-CARGM2/008</td>
<td>Wedge bar anchor</td>
<td>0.39</td>
</tr>
<tr>
<td>X-CARGM2/009</td>
<td>Radial lock anchor</td>
<td>0.43</td>
</tr>
<tr>
<td>X-CARGM2/010</td>
<td>Radial lock, nearside (not shown)</td>
<td>1.92</td>
</tr>
<tr>
<td>X-CARGM2/011</td>
<td>Radial lock, offside</td>
<td>1.92</td>
</tr>
</tbody>
</table>

**M3 System**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Weight (kgs)</th>
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</thead>
<tbody>
<tr>
<td>X-CARGM3/3000</td>
<td>Aluminium captive track, 3000mm</td>
<td>3.80</td>
</tr>
<tr>
<td>X-CARGM3/006</td>
<td>Adjustable end stop</td>
<td>0.50</td>
</tr>
<tr>
<td>X-CARGM3/007</td>
<td>Intermediate slide</td>
<td>0.38</td>
</tr>
<tr>
<td>X-CARGM3/008</td>
<td>Wedge bar anchor</td>
<td>0.39</td>
</tr>
<tr>
<td>X-CARGM3/009</td>
<td>Radial lock anchor</td>
<td>0.43</td>
</tr>
<tr>
<td>X-CARGM3/010</td>
<td>Wedge bar</td>
<td>2.50</td>
</tr>
<tr>
<td>X-CARGM3/012</td>
<td>Wedge bar end sliding stop</td>
<td>0.52</td>
</tr>
<tr>
<td>X-CARGM3/015</td>
<td>Radial lock, nearside (not shown)</td>
<td>1.92</td>
</tr>
<tr>
<td>X-CARGM3/016</td>
<td>Radial lock, offside</td>
<td>1.92</td>
</tr>
</tbody>
</table>
Car Transporter Decking Planks
Aluminium & Steel

**CARG82/A**
- **wgt.** 10.50kg
- L2500 x W610 x T3.0mm
- Aluminium

**CARG82/S**
- **wgt.** 26.00kg
- L2500 x W610 x T2.5mm
- Self colour steel
- Hole pitch: horizontal 105mm, vertical 50mm
- Other sizes and configurations available upon request

**Pump Truck Stop**
Designed to stop pump trucks from damaging the insides of vans, trucks & trailers

**RUBFA206/PTS**
- **wgt.** 5.80kg
- L515 x W300 x D80mm
- Easy to use
- Extremely robust
- Moulded black rubber

---

SEALANTS & ADHESIVES
263-273

FIRE EXTINGUISHERS
248-250

LED WORKLAMPS
127-128
## MUDGUARDS

**Premium Plastic & ValuGard Range**

Listed by Tyre Size

All Part No's are prefixed by **WNGP**

See pages 192-193 for dimensions

<table>
<thead>
<tr>
<th>Tyre Size</th>
<th>Part No.</th>
<th>Part No.</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.60R12</td>
<td>01SE</td>
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</tr>
<tr>
<td>155/70R12</td>
<td>01SE</td>
<td>---------</td>
<td>---------</td>
</tr>
<tr>
<td>155R13</td>
<td>01SE</td>
<td>---------</td>
<td>---------</td>
</tr>
<tr>
<td>155/70R13</td>
<td>01SE</td>
<td>---------</td>
<td>---------</td>
</tr>
<tr>
<td>165R13</td>
<td>01SE</td>
<td>---------</td>
<td>---------</td>
</tr>
<tr>
<td>175/R13</td>
<td>01SE</td>
<td>---------</td>
<td>---------</td>
</tr>
<tr>
<td>175/70R13</td>
<td>01SE</td>
<td>---------</td>
<td>---------</td>
</tr>
<tr>
<td>185/R13</td>
<td>01SE</td>
<td>---------</td>
<td>---------</td>
</tr>
<tr>
<td>195/70R13</td>
<td>01SE</td>
<td>---------</td>
<td>---------</td>
</tr>
<tr>
<td>19 R400</td>
<td>01SE</td>
<td>---------</td>
<td>---------</td>
</tr>
<tr>
<td>19 R400</td>
<td>01SE</td>
<td>---------</td>
<td>---------</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Tyre Size</th>
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<th>Part No.</th>
<th>Part No.</th>
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</thead>
<tbody>
<tr>
<td>175 R16</td>
<td>01</td>
<td>22A, 22A/ VG</td>
<td>X06F, 05F</td>
</tr>
<tr>
<td>175/75R16</td>
<td>01</td>
<td>22A, 22A/ VG</td>
<td>X06F, 25SF, 27F</td>
</tr>
<tr>
<td>185 R16</td>
<td>06C</td>
<td>22A, 22A/ VG</td>
<td>X06F, 25SF, 27F</td>
</tr>
<tr>
<td>185/75R16</td>
<td>06C</td>
<td>22A, 22A/ VG</td>
<td>X06F, 25SF, 27F</td>
</tr>
<tr>
<td>195 R16</td>
<td>06C</td>
<td>27</td>
<td>X06F, 25SF, 27F</td>
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<tr>
<td>195/75R16</td>
<td>06C</td>
<td>28, 33, 33/VG</td>
<td>X06F, 28F</td>
</tr>
<tr>
<td>205 R16</td>
<td>06C</td>
<td>28, 33, 33/VG</td>
<td>X06F, 28F</td>
</tr>
<tr>
<td>215 R16</td>
<td>06C</td>
<td>33, 33, 33/VG</td>
<td>X06F, 28F</td>
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<td>225/75R16</td>
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<td>6.00R16</td>
<td>06C</td>
<td>22A, 22A/ VG</td>
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<td>6.50R16</td>
<td>06C</td>
<td>22A, 22A/ VG</td>
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<td>7.00R16</td>
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<td>7.50R16</td>
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<td>8.25R16</td>
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<td>06C</td>
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<td>06C</td>
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<tr>
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<tr>
<td>245/70R17</td>
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<tr>
<th>Tyre Size</th>
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<th>Part No.</th>
<th>Part No.</th>
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<td>01, 06C</td>
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<td>19 R400</td>
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### Single Arch

<table>
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<tr>
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### Flat Top

<table>
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<tr>
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<th>Part No.</th>
<th>Part No.</th>
</tr>
</thead>
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<tr>
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<td>---------</td>
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<tr>
<td>190 R400</td>
<td>01SE</td>
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<tr>
<td>Tyre Size</td>
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<td>Part No.</td>
<td>Part No.</td>
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<td>----------</td>
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</tr>
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<td>425/55R19.5</td>
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<tr>
<td>445/55R19.5</td>
<td>34</td>
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<td>445/65R19.5</td>
<td>34, 35</td>
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<td>445/65R19.5</td>
<td>38C, 38C/VG</td>
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<td>38C, 38C/VG</td>
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## Premium Plastic Range

Listed by Part Number

- Fully recyclable, chemical resistant, UV stabilised black PVC
- Robust and lightweight
- Standard fitment methods
- Widely fitted as ‘original equipment’
- Supplied in pairs
- Flat side to allow fitting directly to the vehicle body

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ValuGard Plastic Range
Listed by Part Number

- Fully recyclable, chemical resistant, UV stabilised black PE
- Robust and lightweight
- Light silver edge one side for improved visibility
- Textured finish minimises surface scratches
- Standard fitment methods
- Exceptional value for money
- Supplied in pairs

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</table>

**Section Mudguards**
Listed by Part Number

- Fully recyclable black PE
- Lightweight
- Rotationally moulded
- Supplied in pairs

<table>
<thead>
<tr>
<th>Part No.</th>
<th>B Internal Width (mm)</th>
<th>B External Width (mm)</th>
<th>H Height (mm)</th>
<th>Weight per Pair (kgs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>WNGM5P450</td>
<td>440</td>
<td>450</td>
<td>410</td>
<td>2.00</td>
</tr>
<tr>
<td>WNGM5P650</td>
<td>640</td>
<td>650</td>
<td>600</td>
<td>4.30</td>
</tr>
</tbody>
</table>

**'SP' Range**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>B Internal Width (mm)</th>
<th>B External Width (mm)</th>
<th>H Height (mm)</th>
<th>Weight per Pair (kgs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>WNGM28</td>
<td>265</td>
<td>280</td>
<td>380</td>
<td>1.10</td>
</tr>
<tr>
<td>WNGM43</td>
<td>425</td>
<td>440</td>
<td>420</td>
<td>1.23</td>
</tr>
<tr>
<td>WNGM46</td>
<td>445</td>
<td>460</td>
<td>600</td>
<td>1.48</td>
</tr>
<tr>
<td>WNGML54</td>
<td>525</td>
<td>540</td>
<td>500</td>
<td>1.34</td>
</tr>
<tr>
<td>WNGML66</td>
<td>645</td>
<td>660</td>
<td>600</td>
<td>1.60</td>
</tr>
</tbody>
</table>

**'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
**Flat Top Range**

Listed by Part Number

* Textured surface

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Internal Width (mm)</th>
<th>External Width (mm)</th>
<th>L Length (mm)</th>
<th>S Span (mm)</th>
<th>H Height (mm)</th>
<th>Weight per Pair (kgs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>WNGP05F</td>
<td>200</td>
<td>220</td>
<td>490</td>
<td>890</td>
<td>480</td>
<td>3.20</td>
</tr>
<tr>
<td>WNGPX06F</td>
<td>260</td>
<td>275</td>
<td>400</td>
<td>895</td>
<td>480</td>
<td>4.19</td>
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<tr>
<td>WNGP25SF</td>
<td>410</td>
<td>430</td>
<td>L1 - 665</td>
<td>880</td>
<td>450</td>
<td>5.90</td>
</tr>
<tr>
<td>WNGP27F</td>
<td>450</td>
<td>470</td>
<td>500</td>
<td>880</td>
<td>450</td>
<td>6.30</td>
</tr>
<tr>
<td>WNGP28F</td>
<td>450</td>
<td>470</td>
<td>500</td>
<td>1000</td>
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<td>6.00</td>
</tr>
<tr>
<td>WNGP36F</td>
<td>450</td>
<td>470</td>
<td>700</td>
<td>1320</td>
<td>710</td>
<td>10.60</td>
</tr>
<tr>
<td>WNGPX37F</td>
<td>500</td>
<td>515</td>
<td>400</td>
<td>1000</td>
<td>550</td>
<td>8.38</td>
</tr>
<tr>
<td>WNGP41F</td>
<td>550</td>
<td>570</td>
<td>630</td>
<td>1130</td>
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<td>9.05</td>
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<tr>
<td>WNGP43F</td>
<td>600</td>
<td>620</td>
<td>700</td>
<td>1250</td>
<td>625</td>
<td>11.90</td>
</tr>
<tr>
<td>WNGP46F</td>
<td>650</td>
<td>670</td>
<td>750</td>
<td>1360</td>
<td>720</td>
<td>13.34</td>
</tr>
</tbody>
</table>

**HighGard™**

High Density PE

Full range of HighGard™ mudguards are available to order

- Silver bead one side, black on the other
- High density polyethylene
- Strong and durable
- Widely fitted as 'original equipment'
**Large Tandem Mudguards**

- One-piece moulding designed to fit over 2 axles
- Textured surface finish and 3 ribs for extra strength
- Standard fitment methods
- Supplied in pairs
- Other colours available

**Small Trailer Tandem Mudguards**

- One-piece moulding designed to fit over 2 axles
- Ideal for horseboxes, cattle trucks, utility trailers etc.
- Supplied in pairs
- Other colours available
- Flat side to allow fitting directly to the vehicle body
- 4 Integrated flat fixing points to fit directly to the vehicle body

---

### Large Tandem Mudguards

<table>
<thead>
<tr>
<th>Part No.</th>
<th>B Internal Width (mm)</th>
<th>B External Width (mm)</th>
<th>R (mm)</th>
<th>L (mm)</th>
<th>S (mm)</th>
<th>H (mm)</th>
<th>Weight per Pair (kgs)</th>
<th>Suitable Tyre Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>WNGPJT610</td>
<td>620</td>
<td>640</td>
<td>635</td>
<td>3290</td>
<td>2675</td>
<td>610</td>
<td>1370</td>
<td>19.75 9.00R20, 10.00R20, 11R22.5, 12.R22.5</td>
</tr>
<tr>
<td>WNGPJT65ON</td>
<td>650</td>
<td>670</td>
<td>635</td>
<td>3385</td>
<td>2670</td>
<td>620</td>
<td>1400</td>
<td>20.75 11.00R20 E20, 12/80R22.5, 13R22.5, 315/80R22.5, 12.00R22.5</td>
</tr>
<tr>
<td>WNGPJT65A</td>
<td>650</td>
<td>670</td>
<td>635</td>
<td>3570</td>
<td>2970</td>
<td>640</td>
<td>1625</td>
<td>20.25 12R22.5, 11.00R20 E20, 12/80R22.5</td>
</tr>
</tbody>
</table>

### Small Trailer Tandem Mudguards

<table>
<thead>
<tr>
<th>Part No.</th>
<th>B Internal Width (mm)</th>
<th>B External Width (mm)</th>
<th>R (mm)</th>
<th>A (mm)</th>
<th>S (mm)</th>
<th>H (mm)</th>
<th>Weight per Pair (kgs)</th>
<th>Suitable Tyre Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>WNGPJT1864</td>
<td>180</td>
<td>190</td>
<td>290</td>
<td>635</td>
<td>1220</td>
<td>250</td>
<td>2.73</td>
<td>145R10, 155/80R10, 125R12, 135R12, 14/70R12, 155/70R12</td>
</tr>
<tr>
<td>WNGPJT1878</td>
<td>180</td>
<td>190</td>
<td>355</td>
<td>790</td>
<td>1500</td>
<td>450</td>
<td>4.38</td>
<td>165R10, 175R14, 175R15, 155R13</td>
</tr>
<tr>
<td>WNGPJW21150**</td>
<td>210</td>
<td>230</td>
<td>340</td>
<td>660</td>
<td>1500</td>
<td>425</td>
<td>2.80</td>
<td>165R10, 175R14, 175R15, 155R13</td>
</tr>
<tr>
<td>WNGPJT2082</td>
<td>205</td>
<td>215</td>
<td>355</td>
<td>825</td>
<td>1540</td>
<td>450</td>
<td>4.00</td>
<td>6.70R13, 165R14, 175R15, 195R14</td>
</tr>
<tr>
<td>WNGPJT2086</td>
<td>200</td>
<td>210</td>
<td>445</td>
<td>860</td>
<td>1750</td>
<td>530</td>
<td>4.91</td>
<td>6.70R15, 6.00R16, 6.50R16, 175R16, 185R15, 195R16, 205R16</td>
</tr>
<tr>
<td>WNGPJW2483*</td>
<td>250</td>
<td>260</td>
<td>---</td>
<td>830</td>
<td>1580</td>
<td>380</td>
<td>5.10</td>
<td>6.70R15, 6.00R16, 6.50R16, 175R16, 185R15, 195R16, 205R16</td>
</tr>
</tbody>
</table>
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 ECWVT 2007/46/EC)

- **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

- **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 to following vehicles
- Less fouling of vehicles
- Improved rear vision to drivers
- Contributing to road safety
- For installation guide please visit: [www.clear-pass.eu](http://www.clear-pass.eu)

### Spray Suppression Flaps

**Without Clear Pass Logo**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Width (mm)</th>
<th>Length (mm)</th>
<th>Weight (kgs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>WNGM120</td>
<td>380</td>
<td>560</td>
<td>1.10</td>
</tr>
<tr>
<td>WNGM134</td>
<td>405</td>
<td>560</td>
<td>1.20</td>
</tr>
<tr>
<td>WNGM115</td>
<td>450</td>
<td>560</td>
<td>1.40</td>
</tr>
<tr>
<td>WNGM121</td>
<td>530</td>
<td>560</td>
<td>1.50</td>
</tr>
<tr>
<td>WNGM116</td>
<td>610</td>
<td>560</td>
<td>1.80</td>
</tr>
<tr>
<td>WNGM117</td>
<td>610</td>
<td>610</td>
<td>2.00</td>
</tr>
<tr>
<td>WNGM122</td>
<td>660</td>
<td>560</td>
<td>2.00</td>
</tr>
<tr>
<td>WNGM174</td>
<td>610</td>
<td>660</td>
<td>2.10</td>
</tr>
</tbody>
</table>

- 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.

**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
Printed with Clear Pass® Logo

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Width (mm)</th>
<th>Length (mm)</th>
<th>Weight (kgs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>WNGM590</td>
<td>450</td>
<td>915</td>
<td>2.10</td>
</tr>
<tr>
<td>WNGM303</td>
<td>450</td>
<td>1065</td>
<td>2.40</td>
</tr>
<tr>
<td>WNGM560</td>
<td>610</td>
<td>915</td>
<td>2.80</td>
</tr>
<tr>
<td>WNGM421</td>
<td>610</td>
<td>1015</td>
<td>3.20</td>
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<tr>
<td>WNGM301</td>
<td>610</td>
<td>1220</td>
<td>3.80</td>
</tr>
<tr>
<td>WNGM424</td>
<td>660</td>
<td>1020</td>
<td>3.50</td>
</tr>
<tr>
<td>WNGM307</td>
<td>660</td>
<td>1220</td>
<td>4.00</td>
</tr>
<tr>
<td>WNGM425</td>
<td>690</td>
<td>815</td>
<td>2.90</td>
</tr>
<tr>
<td>WNGM308</td>
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</tr>
<tr>
<td>WNGM310</td>
<td>690</td>
<td>1220</td>
<td>4.40</td>
</tr>
</tbody>
</table>

- Improved visibility to following vehicles
- Less fouling of vehicles
- Improved rear vision to drivers
- Contributing to road safety
- 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.

Spray Suppression Side Valances

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Width (mm)</th>
<th>Length (mm)</th>
<th>Weight (kgs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>WNGM343</td>
<td>200</td>
<td>1220</td>
<td>1.40</td>
</tr>
<tr>
<td>WNGM342</td>
<td>300</td>
<td>1220</td>
<td>2.00</td>
</tr>
</tbody>
</table>

Sail Restrictors
Galvanized

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Width (mm)</th>
<th>Length (mm)</th>
<th>Dia. (mm)</th>
<th>Weight (kgs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>WNGM360</td>
<td>450</td>
<td>500</td>
<td>9.5</td>
<td>0.78</td>
</tr>
<tr>
<td>WNGM382</td>
<td>450</td>
<td>650</td>
<td>9.5</td>
<td>1.00</td>
</tr>
<tr>
<td>WNGM383</td>
<td>360</td>
<td>500</td>
<td>9.5</td>
<td>0.70</td>
</tr>
<tr>
<td>WNGM386</td>
<td>370</td>
<td>480</td>
<td>9.5</td>
<td>0.68</td>
</tr>
<tr>
<td>WNGM388</td>
<td>450</td>
<td>750</td>
<td>9.5</td>
<td>1.15</td>
</tr>
</tbody>
</table>
Spray Breaker
Spray Suppression Flaps

"The only True Aerodynamic, Fuel Saving, Spray Suppression Mudflap"

Spray-Breaker flaps are available to order, please contact your local sales office for more information on available sizes and prices

- Spray Breaker is a strong, light weight, one piece construction
- Easy to fit
- Aerodynamic – lets air flow through, cutting drag and saving fuel
- Spray Breaker creates 33% less drag than standard vehicle mud flaps, tested at the university of Lancaster, England
- Increases driver visibility and safety
- Increases other road users visibility and safety
- Helps to create a better environment by reducing CO2 emissions
- Reduces and helps contain dust and debris from the road
- Can increase driver visibility and safety by helping to control the dust and debris
- Can help to protect truck and trailers by reducing the amount of debris hitting them
- Spray Breaker is anti-clogging - simply tap the flap and see the debris fall out from the bottom, or simply power wash when cleaning your vehicle
- Helps to keep vehicles cleaner
- Spray Breaker flaps are only 19mm thick
- Spray Breaker flaps can be printed with your own bespoke artwork. A comprehensive drawing must be supplied by customers who would like to use this service

'Cats Whiskers'
Spray Suppression

WNGM/CAT/100/5000
wgt. 1.26kg
- 100mm x 5mtr brush 'whiskers' only

WNGM/CAT/CLAMP
wgt. 0.006kg
- Clamp to suit (5 clamps recommended per metre)

- 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
Embosed 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

### Blind Spot Embossed Mudflaps
‘Raised’ Logo

<table>
<thead>
<tr>
<th>Width (mm)</th>
<th>Height (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>WNGMM2418/RL/BLINDSPOT</td>
<td>W600 x H450mm, wgt. 1.64kg</td>
</tr>
<tr>
<td>WNGMM2618/RL/BLINDSPOT</td>
<td>W650 x H450mm, wgt. 1.77kg</td>
</tr>
</tbody>
</table>
- 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

### Danger Zone Embossed Mudflaps
‘Raised’ Logo

<table>
<thead>
<tr>
<th>Width (mm)</th>
<th>Height (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>WNGMM2418/RL/DZONE</td>
<td>W600 x H450mm, wgt. 1.64kg</td>
</tr>
<tr>
<td>WNGMM2618/RL/DZONE</td>
<td>W650 x H450mm, wgt. 1.77kg</td>
</tr>
</tbody>
</table>
- 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
Plain Mudflaps
Black Natural Rubber

- Manufactured from heavy duty 6mm black natural rubber
- Pre-drilled
- No logo
- Radius corners

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Width (mm)</th>
<th>Depth (mm)</th>
<th>Weight (kgs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>WNGM0912</td>
<td>230</td>
<td>300</td>
<td>0.70</td>
</tr>
<tr>
<td>WNGM1612</td>
<td>400</td>
<td>300</td>
<td>0.93</td>
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<td>WNGM1812</td>
<td>450</td>
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<td>WNGM1816</td>
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</tr>
<tr>
<td>WNGM2016</td>
<td>500</td>
<td>400</td>
<td>1.12</td>
</tr>
<tr>
<td>WNGM2018</td>
<td>500</td>
<td>450</td>
<td>2.00</td>
</tr>
<tr>
<td>WNGM2212</td>
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</tr>
<tr>
<td>WNGM2216</td>
<td>550</td>
<td>400</td>
<td>1.72</td>
</tr>
<tr>
<td>WNGM2218</td>
<td>550</td>
<td>450</td>
<td>2.01</td>
</tr>
<tr>
<td>WNGM2416</td>
<td>600</td>
<td>400</td>
<td>2.22</td>
</tr>
<tr>
<td>WNGM2418</td>
<td>600</td>
<td>450</td>
<td>2.58</td>
</tr>
</tbody>
</table>

Plain 'Monogrammed' Mudflaps
Black Natural Rubber

- Single or multi-coloured monograms 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
wgt. 5.00kg
- L2500 x D400 x T6mm

WNGM25006006/CF
wgt. 7.50kg
- L2500 x D600 x T6mm
- 6mm Insertion rubber (internal single ply cotton reinforcement)
- Durable material
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, overlayed 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)

<table>
<thead>
<tr>
<th>Surface Coating</th>
<th>600 Hours of Salt Spray Test</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Armour-Tech 600 (AT600)</strong></td>
<td>Virtually no deterioration or abrasion effect after 600 hours</td>
</tr>
<tr>
<td><strong>Hot-Dipped Galvanized</strong></td>
<td>Salt deposits and the appearance of white rust after 96 hours, steady deterioration and appearance of red rust after 600 hours</td>
</tr>
<tr>
<td><strong>Zinc Plated</strong></td>
<td>Appearance of red rust after 48-96 hours, rapid deterioration, full coverage of red rust after 600 hours (not recommended for under-chassis applications)</td>
</tr>
</tbody>
</table>

ø34mm Cranked Mudguard Stay
Single Bolt Fixing / AT600 Surface Coated

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Length</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>WNGM12549/460AT</td>
<td>100</td>
<td>1.58kg</td>
</tr>
<tr>
<td>WNGM12549/550AT</td>
<td>150</td>
<td>1.79kg</td>
</tr>
<tr>
<td>WNGM12549/650AT</td>
<td>200</td>
<td>2.08kg</td>
</tr>
<tr>
<td>WNGM12549/770AT</td>
<td>270</td>
<td>2.20kg</td>
</tr>
</tbody>
</table>

- **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 - BUNG34/MGS/BLK - see page 202
MUDGUARDS

Ø34mm Straight Mudguard Stay
3 Bolt Fixing / AT600 Surface Coated

WNGM371/660AT
wgt. 1.92kg
- 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 - BUNG34/MGS/BLK

Mudguard Stay Vibration / Dampener Washer
1mm Natural Rubber

WNGM12549/SBGAS
wgt. 0.03kg
- Suits all single bolt mudguard stays
- 1mm x Ø60mm Natural rubber

Mudguard Stay End Cap
Black Plastic

BUNG34/MGS/BLK
wgt. 0.01kg
- Suits all Ø34mm mudguard stays
- Black plastic

Mudguard Stay Holder
Suits Ø34mm Mudguard Stays

To be fixed to cross bearer with M8 bolts (not supplied)

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 Bracket
34mm, 42mm & 48mm Range

WNGMXPF34/4
wgt. 0.62kg per set
Suits all ø34mm stays

WNGMXPF42/4
wgt. 0.66kg per set
Suits all ø42mm stays

WNGMXPF48/4
wgt. 0.70kg per set
Suits all ø48mm stays

- 4 Brackets per set
- Pre-assembled
- Manufactured from polypropylene
- Corrosion resistant
- Protective bolt cap

Mudguard Bracket
34mm & 42mm Range

WNGM20/34/4BP
wgt. 0.48kg per set
Suits all ø34mm stays

WNGM20/42/4BP
wgt. 0.53kg per set
Suits all ø42mm stays

- 4 Brackets per set
- Single bolt fixing
- Corrosion resistant
- Manufactured from high impact ABS
- Complete with M10 bolt & nyloc nut

Mudguard 'U' Bracket & Back Plate
34mm Range

WNGM347/UBZP
wgt. 0.96kg
- Suits all ø34mm stays
- Zinc plated steel
- 1 x 7mm 'U' Bolt & clamp, back plate & 2 nyloc nuts
- Supplied individually

Mudguard Bracket & Back Plate
34mm Range

WNGMCBF14
wgt. 0.47kg
- Suits all ø34mm stays
- L250 x W80mm
- 2mm Pre-galvanized steel back plate, 2 x 7mm Geomet coated 'U' bolts, nyloc nuts & washers, 2 rubber sleeves
Mudguard Bracket
34mm Range / AT600 Surface Coated

**WNMG/LR650AT**
- **wgt. 0.73kg**
- Suits all Ø34mm stays / extends to Ø40mm
- L340 x W40 x T5mm
- Armour-Tech 600 (AT600) surface coating
- 600 Hours+ salt spray tested
- 4 x 13mm Slotted fixing holes

Mudguard Bracket & Back Plate
34mm Range

**WNMG372/S**
- **wgt. 0.44kg**
- Bracket: L370 x W115mm

**WNMG372/STBP**
- **wgt. 0.26kg**
- Back plate: L370 x W115mm
- Suits all Ø34mm stays
- 1mm Pre-galvanized steel
- Ø9mm Fixing holes

Mudguard Bracket & Back Plate
48mm Range

**WNMG372/H**
- **wgt. 0.54kg**
- Bracket: L405 x W115mm

**WNMG372/HSTBP**
- **wgt. 0.33kg**
- Back plate: L405 x W150mm (extended width)
- Suits all Ø48mm stays
- 1mm Pre-galvanized steel
- Ø9mm Fixing holes
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.

### PELMETS

#### Pelmet Section

**CBF**

Manufactured exclusively for

**Commercial Body Fittings Ltd**

- Extruded PVC
- Durable / flexible
- Other colours available (subject to minimum order quantity)

#### Pelmet Section

**PELM2**

![Diagram of Pelmet Section PEL2](image)

- Other colours available (subject to minimum order quantity)

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Colour</th>
<th>Length (m)</th>
<th>Ball Dimension (mm)</th>
<th>Weight (kgs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RUMSCBF60/B</td>
<td>Black</td>
<td>18.29</td>
<td>6.0 x 7.0</td>
<td>16.51</td>
</tr>
<tr>
<td>RUMSCBF60/W</td>
<td>White</td>
<td>18.29</td>
<td>6.0 x 7.0</td>
<td>16.51</td>
</tr>
<tr>
<td>RUMSCBF100/B</td>
<td>Black</td>
<td>30.48</td>
<td>6.0 x 7.0</td>
<td>27.52</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Colour</th>
<th>Length (m)</th>
<th>Ball Dimension (mm)</th>
<th>Weight (kgs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RUMSPEL1/45B</td>
<td>Black</td>
<td>13.71</td>
<td>6.5 x 6.0</td>
<td>9.72</td>
</tr>
<tr>
<td>RUMSPEL1/45W</td>
<td>White</td>
<td>13.71</td>
<td>6.5 x 6.0</td>
<td>9.72</td>
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<tr>
<td>RUMSPEL1/60B</td>
<td>Black</td>
<td>18.29</td>
<td>6.5 x 6.0</td>
<td>12.97</td>
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<td>RUMSPEL1/60W</td>
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<td>18.29</td>
<td>6.5 x 6.0</td>
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<td>6.5 x 6.0</td>
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<table>
<thead>
<tr>
<th>Part No.</th>
<th>Colour</th>
<th>Length (m)</th>
<th>Ball Dimension (mm)</th>
<th>Weight (kgs)</th>
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<td>RUMSPEL2/45B</td>
<td>Black</td>
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<td>10.36</td>
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<tr>
<td>RUMSPEL2/45W</td>
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<td>6.5 x 6.0</td>
<td>10.36</td>
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<tr>
<td>RUMSPEL2/52B</td>
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<td>15.85</td>
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<tr>
<td>RUMSPEL2/200B</td>
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<td>60.97</td>
<td>6.5 x 6.0</td>
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### Pelmets

#### Pelmet Section DP7

- **Other colours available**
  - (subject to minimum order quantity)

<table>
<thead>
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<th>Length</th>
<th>Ball Dimension (mm)</th>
<th>Weight (kgs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RUMSDP7/14B</td>
<td>Black</td>
<td>14</td>
<td>ø7.5</td>
<td>11.90</td>
</tr>
<tr>
<td>RUMSDP7/14W</td>
<td>White</td>
<td>14</td>
<td>ø7.5</td>
<td>11.90</td>
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</tbody>
</table>

#### Pelmet Section DP8

- **Other colours available**
  - (subject to minimum order quantity)

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Colour</th>
<th>Length</th>
<th>Ball Dimension (mm)</th>
<th>Weight (kgs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RUMSDP8/14B</td>
<td>Black</td>
<td>14</td>
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<td>RUMSDP8/14W</td>
<td>White</td>
<td>14</td>
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<td>11.25</td>
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#### Pelmet Section DP9

- **Other colours available**
  - (subject to minimum order quantity)

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Colour</th>
<th>Length</th>
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<th>Weight (kgs)</th>
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<tbody>
<tr>
<td>RUMSDP9/14B</td>
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<tr>
<td>RUMSDP9/14W</td>
<td>White</td>
<td>14</td>
<td>ø7.5</td>
<td>11.85</td>
</tr>
</tbody>
</table>

#### Pelmet Section DP25

- **Other colours available**
  - (subject to minimum order quantity)

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Colour</th>
<th>Length</th>
<th>Ball Dimension (mm)</th>
<th>Weight (kgs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RUMSDP25/14B</td>
<td>Black</td>
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<td>ø7.5</td>
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<tr>
<td>RUMSDP25/14W</td>
<td>White</td>
<td>14</td>
<td>ø7.5</td>
<td>14.00</td>
</tr>
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### PELMETS

#### Pelmet Section DP29

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<tr>
<th>Part No.</th>
<th>Colour</th>
<th>Length</th>
<th>Ball Dimension (mm)</th>
<th>Weight (kgs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RUMSDP29/14B</td>
<td>Black</td>
<td>14</td>
<td>7.0 x 6.5</td>
<td>11.20</td>
</tr>
<tr>
<td>RUMSDP29/14W</td>
<td>White</td>
<td>14</td>
<td>7.0 x 6.5</td>
<td>11.20</td>
</tr>
</tbody>
</table>

- Other colours available (subject to minimum order quantity)

#### Pelmet Section DP36

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Colour</th>
<th>Length</th>
<th>Ball Dimension (mm)</th>
<th>Weight (kgs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RUMSDP36/14B</td>
<td>Black</td>
<td>14</td>
<td>7.0 x 6.5</td>
<td>13.02</td>
</tr>
<tr>
<td>RUMSDP36/14W</td>
<td>White</td>
<td>14</td>
<td>7.0 x 6.5</td>
<td>13.02</td>
</tr>
</tbody>
</table>

- Other colours available (subject to minimum order quantity)

---

- CAMERA SYSTEMS 241-242
- BUFFERS & FENDERS 28-36
- HINGES 148-168
- BODY MOUNTING BRACKETS 1-17
- RIVETS & FASTENERS 225-238
- BEARER BRACKETS 19-21
- LASHING RINGS 169-176
- CUARTAIN TENSIONERS 49-51
- UNDERBODY ACCESS STEPS 285-287
**Detachable Dropside Centre Pillars & Sockets**  
Zinc Plated

**APLL400/380CPR/ZP**  
wgt. 7.25kg  
- Overall length: 510mm (including socket)

**APLL400/600CPR/ZP**  
wgt. 11.50kg  
- Overall length: 730mm (including socket)

**APLL400/800CPR/ZP**  
wgt. 14.00kg  
- Overall length: 930mm (including socket)

**APLL400/915CPR/ZP**  
wgt. 15.50kg  
- Overall length: 1045mm (including socket)

- 3mm Steel pillar
- 5mm Steel socket - upgraded thickness for extra durability
- Zinc plated
- All pillar sets are supplied in pairs:
  - 2 x centre pillars & sockets (as shown above)
- Bespoke service available, subject to minimum order quantity

**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
- Zinc plated
- All pillar sets are supplied in pairs:
  - 2 x corner pillars & sockets (as shown above)
- Bespoke service available, subject to minimum order quantity
## Pillar

<table>
<thead>
<tr>
<th>Model</th>
<th>Length</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>APLL243/18</td>
<td>450mm</td>
<td>3.65kg</td>
</tr>
<tr>
<td>APLL243/24</td>
<td>600mm</td>
<td>4.55kg</td>
</tr>
<tr>
<td>APLL243/30</td>
<td>760mm</td>
<td>5.70kg</td>
</tr>
<tr>
<td>APLL243/36</td>
<td>915mm</td>
<td>6.84kg</td>
</tr>
</tbody>
</table>

- 10mm Self colour mild steel

## Sockets to suit

<table>
<thead>
<tr>
<th>Model</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>APLL243/S</td>
<td>1.21kg</td>
</tr>
</tbody>
</table>

- Self colour
- Complete with lock bolt

<table>
<thead>
<tr>
<th>Model</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>APLL243/SZP</td>
<td>1.21kg</td>
</tr>
</tbody>
</table>

- Zinc plated
- Complete with lock bolt

## Corner Pillar & Socket

<table>
<thead>
<tr>
<th>Model</th>
<th>Length</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>APLL306/18</td>
<td>450mm</td>
<td>1.87kg</td>
</tr>
</tbody>
</table>

- Length: 450mm
- 5.8mm Mild steel

## Socket to suit

<table>
<thead>
<tr>
<th>Model</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>APLL306/S/UNI</td>
<td>1.69kg</td>
</tr>
</tbody>
</table>

- Self colour
- Suitable for left & right hand fitment (simply move the lock bolt into the opposite hole)
**RAMP FASTENERS**

**Ramp Fastener Set**
Self Colour - Standard Thread

- **ARMP219**
  - wt. 3.08kg
  - 2 x Complete fasteners & plates
  - Self colour finish
  - Standard thread

- **ARMP219/F**
  - wt. 1.07kg
  - Fastener & handle (no plate)
  - Self colour
  - Standard thread

- **ARMP219/H**
  - wt. 0.40kg
  - Handle only
  - Zinc plated
  - Standard thread

- **ARMP219/S**
  - wt. 0.25kg
  - Shank only
  - Zinc plated
  - Standard thread

- **ARMP219/P**
  - wt. 0.47kg
  - Self colour

- **ARMP219/PZP**
  - wt. 0.47kg
  - Zinc plated
Ramp Fastener Set
Self Colour & Zinc Plated - Coarse Thread

ARMP153
wgt. 3.08kg
- Self colour

ARMP153/ZP
wgt. 3.08kg
- Zinc plated
- 2 x Complete fasteners & plates
- Coarse thread

ARMP153/FZP
wgt. 1.07kg
- Fastener & handle (no plate)
- Zinc plated
- Coarse thread

ARMP219/P
wgt. 0.47kg
- Self colour

ARMP219/PZP
wgt. 0.47kg
- Zinc plated
RAMP SPRINGS

Foulger Ramp Springs

ARMP3

wgt. 8.79kg
- Lightweight spring only
- Black painted
- Capacity: up to 150kg per pair
- Spring: L1092 x ø50mm
- Supplied singly

ARMP4

wgt. 15.89kg
- Heavyweight spring only
- Black painted
- Capacity: up to 200kg per pair
- Spring: L1092 x ø63mm
- Supplied singly

Accessories

ARMP34/HK

wgt. 0.70kg
- Hook & nuts only
- Zinc plated
- This assembly works on the variable rate principle
  (i.e. work done by the spring increases as the load grows)
  The spring is unstressed when ramp is closed except for slight tension to prevent rattle.
  Spring tension is easily adjusted, thus enabling ramp to be correctly balanced

'RT' Ramp Springs

ARMP12/LH

wgt. 5.00kg
- Left hand spring
- Black painted
- Capacity: approx. 40kg
- Spring: L300mm

ARMP12/RH

wgt. 5.00kg
- Right hand spring
- Black painted
- Capacity: approx. 40kg
- Spring: L300mm

ARMP1220/CH

wgt. 0.54kg
- Guidance channel
- Zinc plated

ARMP1220/CO

wgt. 0.68kg
- Collar
- Zinc plated
- Suits ø25mm bar (2 per spring required)

ARMP1220/PL

wgt. 0.66kg
- Tension plate
- Zinc plated
**Underfloor Ramp Springs**

**ARMP21/SET/STD**  
Medium duty  
wgt. 27.00kg  
- Spring: L690 x Ø77mm x Ø15mm wire  
- Capacity: approx. 150kg per pair  
- Replacement spring to suit: **ARMP21/SPR**

**ARMP21/SET/HD**  
Heavy duty  
wgt. 28.96kg  
- Spring: L690 x Ø78mm x Ø16mm wire  
- Capacity: approx. 200kg per pair  
- Replacement spring to suit: **ARMP21/SPR/HD**

- Supplied in pairs (as shown)  
- Black painted springs  
- CP350 Surface coated bodies  
- Fitting instructions available upon request

**Replacement Springs**

**ARMP21/SPR**  
Medium duty spring  
wgt. 7.85kg  
- L690 x Ø77mm x Ø15mm wire  
- Capacity: approx. 150kg per pair  

**ARMP21/SPR/HD**  
Heavy duty spring  
wgt. 8.83kg  
- L690 x Ø78mm x Ø16mm wire  
- Capacity: approx. 200kg per pair  
- Replacement springs to suit: **ARMP21/SET/STD, ARMP21/SET/HD & ARMP22/SET**

- Black painted  
- Supplied singly

**Side Mounted Ramp Springs**

**ARMP22/SET**  
Medium duty  
wgt. 36.00kg  
- 1 x Pair of ramp springs & fittings (as shown)  
- L755 x Ø90mm  
- Capacity: approx. 150kg per pair  
- Grey primer finish  
- Replacement spring to suit: **ARMP21/SPR & ARMP21/SPR/HD** (above)  
- Fitting instructions available upon request
RETAINERS

Retainer
Zinc Plated

FRET180/HKZP
Retainer
wgt. 0.18kg
- Plate: L76 x W45mm
- Hook: L97mm

FRET190/HKZP
Retainer
wgt. 0.21kg
- Plate: L76 x W45mm
- Hook: L148mm

FRET180/SMZP
Catch plate
wgt. 0.03kg
- Plate: L76 x W45mm
- Suits: FRET180/HKZP & FRET190/HKZP

FRET138/95HKSS
Retainer
wgt. 0.07kg
- Plate: L57 x W57mm
- Hook: L95mm

FRET138/160HKSS
Retainer
wgt. 0.08kg
- Plate: L57 x W57mm
- Hook: L160mm

FRET138/SMSS
Catch plate
wgt. 0.04kg
- Plate: L63 x W50mm
- Suits: FRET138/95HKSS & FRET138/160HKSS

FRET150/95HKSS
Retainer
wgt. 0.07kg
- Spring loaded hook
- Plate: L64 x W40mm
- Plastic enclosure: L64 x W60mm
- Hook: L95mm

FRET150/160HKSS
Retainer
wgt. 0.09kg
- Spring loaded hook
- Plate: L64 x W40mm
- Plastic enclosure: L64 x W60mm
- Hook: L160mm

FRET150/SMSS
Catch plate
wgt. 0.08kg
- Plate: L78 x W45mm
- Plastic enclosure: L78 x W61mm
- Suits: FRET150/95HKSS & FRET150/160HKSS
## Wire Door Retainer
**Plastic Coated Zinc Plated Wire**

### FRET2603/260ZP
- wgt. 0.19kg
- Wire: L260 x Ø4mm / Ø5mm complete with plastic sleeve
- Spring hook: 75mm zinc plated
- 1 x Light duty retaining staple

### FRET2603/360ZP
- wgt. 0.20kg
- Wire: L360 x Ø4mm / Ø5mm complete with plastic sleeve
- Spring hook: 75mm zinc plated
- 1 x Light duty retaining staple

### FRET2603/260ZP/NRS
- wgt. 0.17kg
- Wire: L260 x Ø4mm / Ø5mm complete with plastic sleeve
- Spring hook: 75mm zinc plated
- Not supplied with retaining staple

## Wire Door Retainer
**Plastic Coated Stainless Steel Wire**

### FRET2603/260SS
- wgt. 0.19kg
- Wire: L260 x Ø3mm / Ø4mm complete with plastic sleeve
- Spring hook: 75mm stainless steel
- Corrosion resistant
- 1 x Light duty retaining staple

## Staples
**304G Stainless Steel**

### FRET2603/LDSS
- Light duty
- L69 x W20mm
- 2 x Ø5mm Countersunk fixing holes

### FRET2603/HDSS
- Heavy duty
- L50 x W40mm
- 4 x Ø5mm Countersunk fixing holes
### Self-Aligning Retainer Set
**White Plastic**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Weight</th>
<th>Base Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRET3700/FWP</td>
<td>Female</td>
<td>0.03kg</td>
<td>L65 x W29mm</td>
</tr>
<tr>
<td>FRET3700/MWP</td>
<td>Male</td>
<td>0.02kg</td>
<td>L65 x W29mm</td>
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<tr>
<td>FRET3700/WPSET</td>
<td>Set</td>
<td>0.05kg</td>
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<tr>
<td></td>
<td>Stainless steel springs</td>
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### Self-Aligning Retainer Set
**Zinc Plated**

<table>
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<th>Code</th>
<th>Description</th>
<th>Weight</th>
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<tbody>
<tr>
<td>FRET3700/FZP</td>
<td>Female</td>
<td>0.08kg</td>
<td>L65 x W29mm</td>
</tr>
<tr>
<td>FRET3700/MZP</td>
<td>Male</td>
<td>0.05kg</td>
<td>L65 x W29mm</td>
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<tr>
<td>FRET3700/ZPSET</td>
<td>Set</td>
<td>0.13kg</td>
<td></td>
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<tr>
<td></td>
<td>Stainless steel springs</td>
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### Adjustable Retainer
**Black Plastic**

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<th>Code</th>
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<th>Weight</th>
<th>Base Dimensions</th>
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<tbody>
<tr>
<td>FRET555/F/BLK</td>
<td>Female</td>
<td>0.02kg</td>
<td>L63 x W25mm</td>
</tr>
<tr>
<td>FRET555/M/BLK</td>
<td>Male</td>
<td>0.02kg</td>
<td>L67 x W29mm</td>
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<tr>
<td>FRET555/MFSET/BLK</td>
<td>Set</td>
<td>0.04kg</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Stainless steel adjustable screw</td>
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### Adjustable Retainer
**White Plastic**

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<tr>
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<td>L63 x W25mm</td>
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<tr>
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### Magnetic Retainer Set
**20kg Retaining Force**

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<th>Additional Features</th>
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<tbody>
<tr>
<td>FRET631830/MAG</td>
<td></td>
<td>0.14kg</td>
<td>Flexible grey plastic (takes up initial door impact), Weather resistant, Easy to install, Body: ø48 x D50mm, Steel retaining disc: ø28 x 5.5mm, ø4.5mm Fixing holes</td>
</tr>
</tbody>
</table>
MRF Retainer Set
304G Stainless Steel / Rubber

MRF405010602
wgt. 0.14kg
- Overall length: 145mm
- Catch plate: L61 x W61mm
- Flexible rubber strap
- Bracket, cam & retaining loop: 304G stainless steel
- ø5mm Fixing holes

Door Check Strap
2 Ply Leather

MISC300
wgt. 0.11kg
- 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

Male / Female Retainer Set
Zinc Plated

FRET450
wgt. 0.23kg
- Male pin: L50 x ø8mm - hole centres 54mm
- Female socket complete with rubber insert - hole centres: 70mm
- ø6.5mm Countersunk fixing holes

Male / Female Retainer Set
Plastic / Rubber

FRET475
wgt. 0.05kg
- Male pin: H27 x ø25mm
- Female socket: H33 x ø40mm
- Rubber with steel base
- ø6.5mm Fixing holes

Support Stay with Safety Catch
Zinc Plated

MISC25621
wgt. 0.32kg
- Suitable for top hinged doors and hatches
- Locks in extended position
- Length between fixing centres:
  - open: 470mm
  - closed: 285mm
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

FRET/QF/3032/2
wgt. 0.10kg per pack
- Supplied in packs of 10
- Holds objects from ø16 to ø32mm
- 2 x Clamps support 23kg
- 1 x ø4mm Fixing point per clamp

FRET/QF/1632/2
wgt. 0.06kg per pair
- Supplied in pairs
- Holds objects from ø16 to ø32mm
- 2 x Clamps support 23kg
- 1 x ø5mm Fixing points per clamp

FRET/QF/2557/2
wgt. 0.12kg per pair
- Supplied in pairs
- Holds objects from ø25 to ø57mm
- 2 x Clamps support 23kg
- 1 x ø5mm Fixing point per clamp

FRET/QF/4473/1
wgt. 0.12kg
- Supplied individually
- Holds objects from ø44 to ø73mm
- 1 x Clamp supports 23kg
- 2 x ø6mm Fixing points per clamp
Super QF Clamp
ø64 to ø220mm

**FRET/QF/64220/1**
- wgt. 0.14kg
- 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

XL QF Clamp
ø381 to ø711mm

**FRET/QF/381711/1**
- wgt. 0.23kg per pair
- 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

Stowage Clamp
Rubber / Zinc Plated

**FTNK8150/ZP**
- wgt. 0.14kg
- Ideal for tool / utensil storage
- Overall length: 150mm
- Base plate: L68 x W35mm
- Rubber tension strap
- 2 x ø5.5mm Countersunk fixing holes

Small Bonnet Fastener
Rubber / Zinc Plated

**FRET5301**
- wgt. 0.05kg
- L56 x W25mm
- Zinc plated bracket & catch
- Rubber hook

Large Bonnet Fastener
Rubber / Zinc Plated

**FRET5300**
- wgt. 0.11kg
- L114 x W37mm
- Zinc plated bracket & catch
- Rubber hook
**Retainers**

**Lockable Trunk Fastener**  
Zinc Plated

**FTNK6127/8**  
wgt. 0.09kg  
- Lockable  
- Supplied complete with catch plate  
- Zinc plated  
- Ø5mm Fixing holes

**Trunk Fastener**  
Zinc Plated

**FTNK58**  
wgt. 0.04kg  
- Supplied complete with catch plate  
- Zinc plated  
- Ø4.4mm Fixing holes

**Graveley / Turnbuckle Fastener**  
Chromium Plated

**FMSC53/F**  
Fastener  
wgt. 0.05kg  
- Base plate: L47 x W24mm  
**FMSC53/P**  
Plate  
wgt. 0.02kg  
- L47 x W24mm

**Graveley / Turnbuckle Fastener**  
Chromium Plated

**FMSC2936/F**  
Fastener  
wgt. 0.05kg  
- Base plate: L34 x W24mm  
**FMSC2936/P**  
Plate  
wgt. 0.02kg  
- L47 x W23mm

**Graveley / Turnbuckle Fastener**  
Chromium Plated

**FMSC2899/F**  
Fastener  
wgt. 0.09kg  
- Base plate: L40 x W25mm  
**FMSC2899/P**  
Plate  
wgt. 0.03kg  
- L64 x W27mm
RETAINERS

FRET25987/CP/LH  Left hand
FRET25987/CP/RH  Right hand
wgt. 2.00kg
- Plastic door stop end
- Body length: 465mm
- Arm length: 330mm
- 4 x ø8mm Fixing holes
- Spring loaded
- Heavy duty internal spring holds the door firmly in place
- CP350 - Clear passivated surface coating - 350+ hours salt spray tested

FRET25987PG/CP/LH  Left hand
FRET25987PG/CP/RH  Right hand
wgt. 2.05kg
- Plastic hand grip & door stop end
- Body length: 465mm
- Arm length: 320mm
- 4 x ø8mm Fixing holes
- Spring loaded
- Heavy duty internal spring holds the door firmly in place
- CP350 - Clear passivated surface coating - 350+ hours salt spray tested

FRET37500/CP/UNI  Universal fitment
wgt. 1.95kg
- Plastic door stop end
- Body length: 465mm
- Arm length: 355mm
- 4 x ø6mm Fixing holes
- Spring loaded
- 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
**Door Retainer**  
304G Stainless Steel

**MRF405030201**  
Universal fitment  
wgt. 2.50kg  
- Plastic door stop end  
- 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

**Door Retainer**  
Aluminium Body

**FRET631901/ALG**  
Universal fitment  
wgt. 1.89kg  
- Plastic hand grip and door stop end  
- Body length: 502mm  
- Arm length: 310mm  
- 4 x Ø8.5mm Fixing holes  
- Spring loaded  
- Adjustable mounting brackets  
- Suitable for both left hand & right hand fitment  
- Heavy duty internal spring holds the door firmly in place

**'Mini' Door Retainer**  
304G Stainless Steel

**MRF405030202**  
Universal fitment  
wgt. 1.21kg  
- Plastic door stop end  
- 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

**'Mini' Door Retainer**  
Zinc Plated

**FRET39028/PG/ZP**  
Universal fitment  
wgt. 1.68kg  
- 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
**Cabin Hook**

**Zinc Plated**

**FRET28/255ZP**
- wgt. 0.19kg
- Hook length: 255mm

**FRET28/300ZP**
- wgt. 0.21kg
- Hook length: 300mm
- Supplied complete with staple
- ø6.5mm Fixing holes

**FRET28/S**
- wgt. 0.03kg
- L43 x W42mm
- Staple only

---

**Cabin Hook**

**Galvanized**

**FRET25/150GV**
- wgt. 0.12kg
- Hook length: 150mm
- Supplied complete with staple
- ø6.5mm Fixing holes

---

**Cabin Hook**

**304G Stainless Steel**

**FRET25/150SS**
- wgt. 0.12kg
- Hook length: 150mm
- Supplied complete with staple
- ø6.5mm Fixing holes
- Corrosion resistant

---

**Hasp & Staple**

**Zinc Plated**

**FHSP617/75ZP**
- wgt. 0.11kg
- L75 x W40mm
- 2 x ø6mm Countersunk fixing holes
- Supplied complete with staple

**FHSP617/115ZP**
- wgt. 0.15kg
- L115 x W40mm
- 4 x ø6mm Countersunk fixing holes
- Supplied complete with staple

**FHSP617/S**
- wgt. 0.35kg
- Staple only

---

**Safety Feature**

Concealed fixings when closed
Hasp & Staple
Epoxy Black Powder Coated

FHSP4507/150
wgt. 0.55kg
- Hasp mounting: L55 x W68 x T4.5mm
- Staple: L65 x W54mm
- Heavy duty design
- Ø6mm Countersunk fixing holes

FHSP4195/150
wgt. 0.55kg
- Hasp mounting: L151 x W48 x T4.5mm
- Staple: L64 x W55mm
- Heavy duty design
- Ø5.8mm Countersunk fixing holes

Hasp & Staple
Black Painted

FHSP4196/125
wgt. 0.24kg
- Hasp mounting: L120 x W31 x T4mm
- Staple: L39 x W39mm
- Heavy duty design
- 7.9mm Square fixing holes

FHSP4196/S
wgt. 0.63kg
- Staple only

Hasp & Staple
Galvanized

FHSP4196/125GV
wgt. 0.24kg
- Hasp mounting: L120 x W31 x T4mm
- Staple: L39 x W39mm
- Heavy duty design
- 7.9mm Square fixing holes
Avex Rivets - 1604, 1641 & 1661 Series

The Avex aluminium rivet is a multi-grip, breakstem fastener with a retained stem. It features good hole fill and a large blind-side bearing area.

- Sizes range from Ø3 to Ø4.8mm
- Headforms: low profile, large flange & countersunk
- Wide grip range
- Multi-grip capacity
- Blind hole, one sided installation capability
- Ideal for use in sheet metals
- Provides strong, vibration resistant joints

Avex 1604 Series
120° Countersunk Head

Body: aluminium alloy - plain finish
Stem: low carbon steel - zinc coated

<table>
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<tr>
<th>Nominal Size (mm)</th>
<th>Part No.</th>
<th>Grip Range (mm)</th>
<th>M (mm)</th>
<th>B (mm)</th>
<th>D (mm)</th>
<th>Box Quantity (1000)</th>
<th>Box Weight (kgs)</th>
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Avex 1661 Series
Low Profile Head

Body: aluminium alloy - plain finish
Stem: low carbon steel - zinc coated

<table>
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</table>
Avex - 1641 Series
Large Flange Head

- Body: aluminium alloy - polished finish
- Stem: low carbon steel - phosphated finish

<table>
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<th>Part No.</th>
<th>Grip Range (mm)</th>
<th>M (mm)</th>
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Avdel®
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.

- Size: ø4.8mm
- 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

<table>
<thead>
<tr>
<th>Nominal Size (mm)</th>
<th>Part No.</th>
<th>Grip Range (mm)</th>
<th>B (mm)</th>
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**Bulbex Rivet - BF01 Series**

The Bulbex® breakstem fastener is designed with a split tail formation, providing a much larger blind side bearing area against the rear sheet. This allows for a wide variation in material thickness.

The Bulbex blind breakstem rivet is ideal for use with plastic and low strength material

- Sizes range from ø4.0 to ø4.8mm
- For use with plastics, thin gauge materials, insulation fibreboard and fibreglass
- Multi-grip capability
- Split tail formation provides a very large blind side bearing area against the rear sheet
- Retained stem
- One fastener can often be used to replace several standard grip fasteners
- Accommodates wide variations in material thickness
- Spreads the tail bearing load/clamp load on the rear sheet
- No damage, electrical problems or rattling due to loose stems
- Body: aluminium alloy - plain finish
- Stem: aluminium alloy - plain finish

<table>
<thead>
<tr>
<th>Nominal Size (mm)</th>
<th>Part No.</th>
<th>Grip Range (mm)</th>
<th>B (mm)</th>
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**Klamp-Tite Rivet - KTR Series**

The Klamp-Tite® aluminium rivet has a large blind-side bearing area making it an ideal rivet for use in GRP, thin sheet or low strength materials

- Sizes range from ø4.8 to ø6.4mm
- Split tail formation spreads the tail bearing load/clamp load on the rear sheet
- Ideal for use in thin sheet materials offering high resistance to pull-out loads
- Multi-grip capability accommodates wide variations in material thickness
- Ideal for use in very soft or brittle materials
- Stem is mechanically locked into body providing very strong, vibration resistant joints
- Visible lock for quick and easy inspection
- Under-head washer provides a weather-proof seal
- Body: aluminium alloy - plain finish
- Stem: aluminium alloy - plain finish

<table>
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### Avtainers - 2311 Series

Avtainers are a high strength steel fastener for joining composite materials to metal. With a high shear strength due to the internally locked stem, the Avtainer creates a vibration resistant joint whilst the under-head Santoprene™ seal creates a watertight joint.

**Ideal for the assembly of GRP vehicle panels**

- Two part fastener
- Ideal for the assembly of GRP vehicle panels
- High shear strength for strong joint integrity
- Under-head 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 give a neat appearance
- Optional encapsulated heads to match the surrounding panel colour
- Easy to inspect for tampering
- TIR approved
- Avtainer can be used to fasten: metal to metal & metal to GRP composites

**Pin: low carbon steel - zinc plated / JS500 coated**
- **AV2311/1209 & AV2311/1210** do not have shouldered pins

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### Avtainer Shell

- Suitable for use with **AV2311** Avtainer bolts
- Incorporates a nylon locking slug

- Shell: low carbon steel - zinc plated / clear passivated
Avdelok
The Avdelok® lockbolt is a high strength, vibration resistant fastener with high controlled clamp. The Avdelok is quick to install and easy to inspect for tampering, making this the ideal fastener for heavy engineering applications.

- Sizes range from ø4.8 to ø6.4mm
- Two part fastener
- High strength, high speed assembly
- High shear and tensile strength
- Excellent vibration resistance
- TIR Approved - easy to inspect for tampering
- Avdelok® can be used to fasten: metal to metal
- Collars to suit: AV2662 & AV2615 series - see page 230

Avdelok
Brazier / Protruding Head

- Carbon boron steel - zinc plated / clear passivated

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ARSM Series Multi-Grip Lock Bolt
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 & AV2615 Series - see page 230

- Steel - zinc plated / clear passivated

<table>
<thead>
<tr>
<th>Nominal Size (mm)</th>
<th>Part No.</th>
<th>Grip Range (mm)</th>
<th>L (mm)</th>
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### Avdelok Bolts - 2612 Series

*90° Countersunk Head*

- Low carbon boron steel - zinc plated / clear passivated

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### Avdelok Full Collars - 2662 Series

Suits AV2611, AV2612 & ARSM Series

- Low carbon steel - zinc plated / clear passivated

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### Avdelok Flange Collars - 2615 Series

Suits AV2611, AV2612 & ARSM Series

- Low carbon steel - zinc plated / clear passivated

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Maxlok

The Maxlok® lockbolt is a high strength, vibration resistant lockbolt with multi-grip capability. The wide grip range of the Maxlok lockbolt enables usage in a variety of situations reducing inventory and simplifying stock control. The high shear strength and superior, controlled clamp means the Maxlok lockbolt is ideal for high strength assembly. With quick installation and easy inspection this two-piece fastener is versatile and secure.

- Sizes range from Ø4.8 to Ø6.4mm
- Headforms: brazier, countersunk & mushroom
- Two part fastener
- Wide grip range to suit a wide variety of applications
- High shear and tensile strength
- High strength, high speed assembly
- Excellent vibration resistance
- TIR Approved - easy to inspect for tampering
- Robust and rugged installation tools
- Collars to suit: see AV1981 series - see page 232
- Maxlok® can be used to fasten: metal to metal

Maxlok Bolts - 1901 Series
Brazier / Protruding Head

- Medium carbon steel - zinc plated / clear passivated

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Maxlok Bolts - 1902 Series
90° Countersunk Head

- Medium carbon steel - zinc plated / clear passivated

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Maxlok Bolts - 1903 Series
Mushroom Head

- Medium carbon steel - zinc plated / clear passivated

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<td></td>
<td>Min</td>
<td>Max</td>
</tr>
<tr>
<td>4.8</td>
<td>AV1903/0610</td>
<td>1.6</td>
<td>15.9</td>
<td>2.79</td>
<td>12.45</td>
<td>1.5</td>
</tr>
<tr>
<td></td>
<td>AV1903/0620</td>
<td>7.9</td>
<td>31.7</td>
<td>10.00</td>
<td>2</td>
<td>17.6</td>
</tr>
<tr>
<td>6.4</td>
<td>AV1903/0810</td>
<td>1.6</td>
<td>15.9</td>
<td>3.17</td>
<td>16.66</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>AV1903/0820</td>
<td>7.9</td>
<td>31.7</td>
<td>10.00</td>
<td>1</td>
<td>17.0</td>
</tr>
</tbody>
</table>
Maxlok Flanged Collar - 1981 Series
Suits AV1901, AV1902 & AV1903 Series

- Low carbon steel - zinc plated / clear passivated

<table>
<thead>
<tr>
<th>Nominal Size (mm)</th>
<th>Part No.</th>
<th>R (mm) Max</th>
<th>T (mm) Max</th>
<th>Box Quantity (1000)</th>
<th>Box Weight (kgs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.8</td>
<td>AV1981/0600</td>
<td>8.7</td>
<td>Ø10.10</td>
<td>7</td>
<td>13.3</td>
</tr>
<tr>
<td>6.4</td>
<td>AV1981/0800</td>
<td>13.5</td>
<td>Ø13.20</td>
<td>2</td>
<td>8.0</td>
</tr>
</tbody>
</table>

Monobolt

The Monobolt® multi-grip structural rivet is a high strength structural blind fastener with a locked stem and a positive hole fill for use in heavy duty applications. Monobolt blind rivets are trademark Avdel products, designed and developed for demanding applications where safety and performance is paramount to the customer’s demands.

- Sizes range from Ø4.8 to Ø6.4mm
- Headforms: protruding & countersunk
- 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
- Stem mechanically locked into body
- One fastener can be used to replace several standard grip fasteners
- Reduced fastener inventory and simpler stock control
- 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® rivets can be used to fasten: metal to metal & metal to plastic

Monobolt - 2771 Series
Protruding Head

- Body: carbon steel - zinc plated / clear passivated
- Stem: carbon steel - zinc plated / clear passivated

<table>
<thead>
<tr>
<th>Nominal Size (mm)</th>
<th>Part No.</th>
<th>Grip Range (mm)</th>
<th>B (mm) Max</th>
<th>D (mm) Max</th>
<th>E (mm) Max</th>
<th>M (mm) Max</th>
<th>T (mm) Min</th>
<th>Box Quantity (1000)</th>
<th>Box Weight (kgs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.8</td>
<td>AV2771/0613</td>
<td>1.63 ± 6.86</td>
<td>2.1</td>
<td>1.9</td>
<td>18.2</td>
<td>10.5</td>
<td>12.0</td>
<td>10.1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>AV2771/0617</td>
<td>1.63 ± 11.10</td>
<td></td>
<td></td>
<td>24.5</td>
<td>13.5</td>
<td>20.2</td>
<td>10.9</td>
<td></td>
</tr>
<tr>
<td>6.4</td>
<td>AV2771/0817</td>
<td>2.03 ± 9.53</td>
<td>2.9</td>
<td>2.7</td>
<td>23.7</td>
<td>12.2</td>
<td>10.1</td>
<td>11.2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>AV2771/0824</td>
<td>2.03 ± 15.87</td>
<td></td>
<td></td>
<td>33.0</td>
<td>16.4</td>
<td>19.2</td>
<td>11.8</td>
<td></td>
</tr>
</tbody>
</table>
### Monobolt - 2711 Series

**Protruding Head**

- **Body:** Stainless steel - natural finish
- **Stem:** Stainless steel - natural finish

<table>
<thead>
<tr>
<th>Nominal Size (mm)</th>
<th>Part No.</th>
<th>Grip Range (mm)</th>
<th>B (mm)</th>
<th>D (mm)</th>
<th>E (mm)</th>
<th>M (mm)</th>
<th>T (mm)</th>
<th>Box Quantity (1000)</th>
<th>Box Weight (kgs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.8</td>
<td>AV2711/0613</td>
<td>1.63 - 6.86</td>
<td>2.1</td>
<td>1.9</td>
<td>18.2</td>
<td>10.5</td>
<td>4</td>
<td>10.0</td>
<td></td>
</tr>
<tr>
<td></td>
<td>AV2711/0617</td>
<td>1.63 - 11.10</td>
<td>2.9</td>
<td>2.7</td>
<td>23.7</td>
<td>12.2</td>
<td>2</td>
<td>17.4</td>
<td></td>
</tr>
<tr>
<td>6.4</td>
<td>AV2711/0817</td>
<td>2.03 - 9.53</td>
<td>Ø13.40</td>
<td>2.9</td>
<td>33.0</td>
<td>16.4</td>
<td>1.5</td>
<td>15.3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>AV2711/0824</td>
<td>2.03 - 15.87</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Monobolt - 2761 Series

**100° Countersunk Head**

- **Body:** Steel - zinc plated / clear passivated
- **Stem:** Carbon steel - zinc plated / clear passivated

<table>
<thead>
<tr>
<th>Nominal Size (mm)</th>
<th>Part No.</th>
<th>Grip Range (mm)</th>
<th>B (mm)</th>
<th>D (mm)</th>
<th>M (mm)</th>
<th>T (mm)</th>
<th>Box Quantity (1000)</th>
<th>Box Weight (kgs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.4</td>
<td>AV2761/0821</td>
<td>3.17 - 12.07</td>
<td>Ø10.3</td>
<td>2.4</td>
<td>26.4</td>
<td>12.2</td>
<td>1.5</td>
<td>15.9</td>
</tr>
</tbody>
</table>

### Hemlok - 2221 Series

**Brazier / Protruding Head**

- **Body:** Carbon steel - zinc plated / clear passivated
- **Stem:** Carbon steel - zinc plated / clear passivated

<table>
<thead>
<tr>
<th>Nominal Size (mm)</th>
<th>Part No.</th>
<th>Grip Range (mm)</th>
<th>B (mm)</th>
<th>D (mm)</th>
<th>E (mm)</th>
<th>M (mm)</th>
<th>T (mm)</th>
<th>Box Quantity (1000)</th>
<th>Box Weight (kgs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.4</td>
<td>AV2221/0812</td>
<td>1.50 - 3.50</td>
<td></td>
<td></td>
<td></td>
<td>13.7</td>
<td></td>
<td>2</td>
<td>16.0</td>
</tr>
<tr>
<td></td>
<td>AV2221/0813</td>
<td>2.80 - 4.80</td>
<td></td>
<td></td>
<td></td>
<td>15.0</td>
<td></td>
<td>2</td>
<td>16.0</td>
</tr>
<tr>
<td></td>
<td>AV2221/0815</td>
<td>4.80 - 6.80</td>
<td>Ø13.4</td>
<td>2.7</td>
<td>3.4</td>
<td>17.0</td>
<td>12.2</td>
<td>2</td>
<td>8.6</td>
</tr>
<tr>
<td></td>
<td>AV2221/0817</td>
<td>6.80 - 8.80</td>
<td></td>
<td></td>
<td></td>
<td>19.0</td>
<td></td>
<td>2</td>
<td>18.4</td>
</tr>
<tr>
<td></td>
<td>AV2221/0819</td>
<td>8.80 - 10.80</td>
<td></td>
<td></td>
<td></td>
<td>21.0</td>
<td></td>
<td>2</td>
<td>19.0</td>
</tr>
<tr>
<td></td>
<td>AV2221/0821</td>
<td>10.80 - 12.80</td>
<td></td>
<td></td>
<td></td>
<td>23.0</td>
<td></td>
<td>1</td>
<td>10.0</td>
</tr>
</tbody>
</table>

**The Hemlok® fastener is a structural breakstem rivet with exceptional shear and tensile strength.**

- Wide grip range
- Large blind side bearing area against the rear sheet
- No damage, electrical problems or rattling due to loose stems
- 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
- Hemlok® can be used to fasten: metal to metal, metal to plastic & thin sheet to thick metal
- **Body:** Carbon steel - zinc plated / clear passivated
- **Stem:** Carbon steel - zinc plated / clear passivated
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
ProSet® XT - Blind Rivet Tools

The POP Avdel ProSet® XT tool line has many innovative high performance features including a patented ‘quick disconnect’ nose housing and jaw case for rapid cleaning and maintenance of the front end without the need for any tools.

The quick disconnect Mandrel Collection System (MCS) safely collects spent mandrels for quick, easy disposal and cleaner work areas. An air-isolation switch on the MCS prevents air flow when the MCS is disconnected. A left or right 90° swivel air fitting ensures the tools can be adapted to virtually any workstation configuration, while the ‘on/off’ switch minimises air consumption and noise.

### Features & Benefits

#### Performance
- High force-to-weight ratio
- Quick disconnect nose housing and jaw case for easy maintenance and service
- Clear quick release mandrel collector bottle reduces downtime
- Integral exhaust valves for fast setting cycle
- Rubber base is designed to avoid damage. Latest technology lip seals maximise re-priming intervals. Piston bearing rings ensure maximum robustness and tool life

#### Ergonomic
- Class-leading lightweight construction with balanced handling
- Comfortable, low activation force trigger
- Adjustable vacuum exhaust direction

#### Economy & Safety
- Air isolation switch during MCS removal
- On/off, left or right swivel air fitting provides flexibility and conserves energy

### Placing Capability

<table>
<thead>
<tr>
<th>Fastener Type</th>
<th>Size (mm)</th>
<th>ProSet® Tool</th>
</tr>
</thead>
<tbody>
<tr>
<td>Open End</td>
<td></td>
<td>XT1</td>
</tr>
<tr>
<td>Closed End</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.0</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>3.0 &amp; 3.2</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>4.0</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>4.8 &amp; 5.0</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>6.0 &amp; 6.4</td>
<td>○</td>
<td>○</td>
</tr>
</tbody>
</table>

| Micro Rivet   | 2.0       | ○   | ○   | ○   | ○   |
| Pull-Thru (PT)| 3.2       | ○   | ○   | ○   | ○   |

#### Avex
- 4.8

#### Stavex
- 4.0
- 4.8
- 6.4

#### Vgrip
- 4.8

#### Avibulb
- 3.2
- 4.0
- 4.8
- 6.4

#### Avinox
- 3.2
- 4.0
- 4.8
- 6.0

#### Avinox XT
- 6.4

#### Hemlok
- 6.4

#### Monobolt
- 4.8
- 6.4

#### Interlock
- 4.8
- 6.4

#### LSR / Bulbex
- 3.2
- 4.0
- 4.8

#### Klamp-Tite KTR
- 4.8
- 6.4

#### T Rivet
- 4.8
- 6.4

#### T-Lok
- 4.3
- 4.8

#### Avseal
- 4.0
- 5.0
- 6.0
- 7.0
- 8.0
- 9.0
- 10.0
- 11.0
- 12.0

#### Avdelok
- 4.8

#### Maxlok
- 6.4

#### Avtainer
- 10.0

1) Complete tool comprises of base tool, nose assembly and nose tip(s)
2) Recommended for rivet diameters 4.8mm and greater
○ Placing capability of complete tool
○ Installation possible with additional nose assembly / nose tip

Quick release mandrel collection system (MCS)

Quick disconnect nose housing and jaw case (without tools)
ProSet® XT1 - The Lightweight
Compact, lightweight and reliable pneumatic/hydraulic power tool, ideal for production line environments. In its class the ProSet XT1 is among the highest force-to-weight ratio blind riveting tools in the industry. Innovative ergonomic design for maximum user efficiency and comfort.

**AV76001/00001**
- Weight: 1.17kg including nose equipment
- Pull force at 5.5 bar: 6.5kN
- Force-to-weight ratio: 5.55kN/kg
- Stroke (minimum): 18mm
- Cycle time (approx.): 0.4 seconds
- Air supply pressure (dry filtered): 5.0 - 7.0 bar
- Free air volume at 5.5 bar: 1.5l
- Noise level: 77.95dB(A)

ProSet® XT2 - The Flexible
The ProSet XT2 tool sets new standards for pneumatic rivet tools. Designed specifically to set a wide range of breakstem rivets, this tool delivers 8.9 kN of pull force with an outstanding force-to-weight ratio.

**AV76002/00001**
- Weight: 1.26kg including nose equipment
- Pull force at 5.5 bar: 8.9kN
- Force-to-weight ratio: 7.06kN/kg
- Stroke (minimum): 20mm
- Cycle time (approx.): 0.6 seconds
- Air supply pressure (dry filtered): 5.0 - 7.0 bar
- Free air volume at 5.5 bar: 2.2l
- Noise level: 77.10dB(A)

ProSet® XT3 - The High Performer
The ProSet XT3 can be used in a variety of applications, setting a large range of breakstem rivets, lockbolts and sealing plug sizes. The large stroke of 26mm allows the placement of longer rivets like Monobolt and Interlock in one set.

**AV76003/00001**
- Weight: 2.14kg including nose equipment
- Pull force at 5.5 bar: 17.0kN
- Force-to-weight ratio: 7.94kN/kg
- Stroke (minimum): 26mm
- Cycle time (approx.): 0.9 seconds
- Air supply pressure (dry filtered): 5.0 - 7.0 bar
- Free air volume at 5.5 bar: 6.3l
- Noise level: 78.40dB(A)

ProSet® XT4 - The Powerful
The XT4 delivers the highest pull force in the range, but weighs in at just over 2kg. Beside structural breakstem rivets, the high capacity of the XT4 also allows to install Avdelok, Maxlok and Avtainer lockbolts.

**AV76004/00001**
- Weight: 2.16kg including nose equipment
- Pull force at 5.5 bar: 23.0kN
- Force-to-weight ratio: 10.65kN/kg
- Stroke (minimum): 18mm
- Cycle time (approx.): 1.0 seconds
- Air supply pressure (dry filtered): 5.0 - 7.0 bar
- Free air volume at 5.5 bar: 6.3l
- Noise level: 77.90dB(A)
**Placing Capability**

<table>
<thead>
<tr>
<th>Fastener Type</th>
<th>Fastener Size (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>4.8</td>
</tr>
<tr>
<td></td>
<td>6.4</td>
</tr>
<tr>
<td>Avex</td>
<td></td>
</tr>
<tr>
<td>Avinox</td>
<td></td>
</tr>
<tr>
<td>Bulbex</td>
<td></td>
</tr>
<tr>
<td>Hemlok</td>
<td></td>
</tr>
<tr>
<td>Monobolt</td>
<td></td>
</tr>
<tr>
<td>Standard Rivet</td>
<td></td>
</tr>
<tr>
<td>Sealed Rivet</td>
<td></td>
</tr>
</tbody>
</table>

**RIV/V10XL/SR**

wgt. 1.70kg

- 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

**Hydro-Pneumatic Structural Rivet Tool**

**Medium Duty**

The FHU05 is designed for the installation of Lockbolt fasteners including, Avdelok, Avtainer, & Maxlox

**RIV/FHU05**

wgt. 2.65kg

- Supplied as a base tool only, simply add the required nose assembly (shown below)
- Robust tool
- Toughened plastic body and heavy duty rubber base
- Very competitively priced
- High placement speed
- Places a wide range of fasteners
- Minimized air consumption
- 2kN Pulling force
- Supplied with: 5mm allen key, hydraulic oil, air line hose attachment, mandrel guard, nosepiece adaptor, instruction manual

**Nose Assembly Matrix**

<table>
<thead>
<tr>
<th>Fastener Type</th>
<th>Part No.</th>
<th>Fastener Size (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>4.8</td>
<td>6.4</td>
</tr>
<tr>
<td>Avdelok</td>
<td>X-RIV993003</td>
<td></td>
</tr>
<tr>
<td></td>
<td>X-RIV993006</td>
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</tr>
<tr>
<td>Avtainer</td>
<td>X-RIVFNA014</td>
<td></td>
</tr>
<tr>
<td>Maxlok</td>
<td>X-RIV991456</td>
<td></td>
</tr>
<tr>
<td></td>
<td>X-RIV991458</td>
<td></td>
</tr>
</tbody>
</table>
**Long Arm Rivet Tool**  
Places up to ø6.4mm 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**  
wgt. 1.42kg  
- 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 ø6.4mm rivets  

<table>
<thead>
<tr>
<th>Rivet Dia. (mm)</th>
<th>Aluminium</th>
<th>Steel</th>
<th>Stainless Steel</th>
<th>Copper</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.8</td>
<td></td>
<td>●</td>
<td>●</td>
<td>●</td>
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<tr>
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<td>●</td>
<td>●</td>
<td>●</td>
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<tr>
<td>6.4</td>
<td></td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>6.5 Structural</td>
<td>○</td>
<td>○</td>
<td>●</td>
<td>○</td>
</tr>
<tr>
<td>5.2 s-Trebol</td>
<td>○</td>
<td></td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>6.4 s-Trebol</td>
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<td></td>
<td>○</td>
<td>○</td>
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<tr>
<td>7.7 s-Trebol</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
</tbody>
</table>

- Requires additional nosepiece  
- Requires additional nosepiece and jaws  

**Lazy Tong Rivet Tool**  
Places up to ø6.4mm Rivets  

**RIV/LT/3064**  
wgt. 1.96kg  
- 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 ø6.4mm rivets  

<table>
<thead>
<tr>
<th>Rivet Dia. (mm)</th>
<th>Aluminium</th>
<th>Steel</th>
<th>Stainless Steel</th>
<th>Copper</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.0</td>
<td></td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>3.2</td>
<td></td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>4.0</td>
<td></td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>4.8</td>
<td></td>
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<td>●</td>
<td>●</td>
</tr>
<tr>
<td>5.0</td>
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</tr>
<tr>
<td>6.0</td>
<td></td>
<td>●</td>
<td>●</td>
<td>○</td>
</tr>
<tr>
<td>6.4</td>
<td></td>
<td>●</td>
<td>○</td>
<td>○</td>
</tr>
</tbody>
</table>

- Requires additional nosepiece
ROPE HOOKS

Rope Hook - Bolt-on
Zinc Plated

AROP103/ZP
wgt. 0.17kg
- ø13mm Hook
- Drop forged steel
- Plate: L90 x W22mm
- 2 x ø9mm Fixing holes

Rope Hook - Bolt-on
Self Colour & Zinc Plated

AROP3/OBSC
AROP3/OBZP
Self colour
Zinc plated
wgt. 0.07kg
- ø10mm Hook
- Drop forged steel
- Plate: L70 x W23mm
- 2 x ø8mm Countersunk fixing holes

Rope Hook - Bolt-on
Zinc Plated

AROP20/75ZP
wgt. 0.07kg
- Pressed steel
- Plate: L93 x W20mm
- 2 x ø6.5mm Fixing holes

Rope Hook - Bolt-on
Zinc Plated

AROP226/ZP
wgt. 0.06kg
- Drop forged steel
- Plate: L45 x W25mm
- 2 x ø7mm Countersunk fixing holes

Rope Cleat - Bolt-on
Zinc Plated

AROP19/ZP
wgt. 0.06kg
- Drop forged steel
- Overall length: 106mm
- Plate: L45 x W25mm
- 2 x ø6.5mm Countersunk fixing holes

Head Office: 01707 371161    Midlands Division: 0121 5200100    sales@cbf.uk.com  cbf.uk.com  239
ROPE HOOKS

**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
  - wgt. 0.12kg
  - Commonly used on agricultural vehicles

**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
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 Camera’s

LTMS477501/MO/DV
wgt. 0.77kg

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

2 Year warranty

1900mm Fly lead

Operating temperature: -20°C to +60°C

Maxi-View® Rear Mounted Camera

LTMS477621/RM/DV
wgt. 0.40kg

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

Built in microphone

IP66 Rated

1300mm Fly lead

Robust steel casing

Operating temperature: -20°C to +60°C

Maxi-View® Side Mounted Camera

LTMS477622/SM/DV
wgt. 0.36kg

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

Built in microphone

IP69K Rated

1300mm Fly lead

Robust steel casing

Operating temperature: -20°C to +60°C

Maxi-View® Compatible Cables
Connects Camera to Monitor

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**

- wgt. 3.10kg
- Kit consists of:
  - 1 x monitor (VBV/770DM)
  - 1 x camera (VBV/700C/DV)
  - 1 x 20m cable (VBV/L420)
- 3 Year warranty

**Monitor**

- W182 x H122 x D27mm
- 12/24v Dual voltage
- 7" Colour screen
- 3 Camera inputs (choose from below, if required)

**Camera**

- W81 x H77 x D70mm
- 18 x Infra-red LED’s
- Colour
- Day / night sensor
- Built in microphone
- IP67 Rated

**SELECT SERIES Rear Mounted Camera**

**LTMSVBV/700C/DV**

- wgt. 0.36kg
- 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

**SELECT SERIES Side Mounted Camera**

**LTMSVBV/320C/DV**

- wgt. 0.38kg
- 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

**SELECT SERIES Compatible Cables**

Connects Camera to Monitor

**LTMSVBV/L405**

- wgt. 0.36kg
- 5 Metre

**LTMSVBV/L410**

- wgt. 0.70kg
- 10 Metre

**LTMSVBV/L420**

- wgt. 1.35kg
- 20 Metre

- Suitable for use with LTMSVBV/770D/000DV
BBS-TEK® White Sound®

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

- Wgt. 0.19kg
- W105 x H65 x D32mm
- 87 Decibels

LTMS/BBS92/DV

- Wgt. 0.21kg
- W105 x H65 x D37mm
- 92 Decibels

Features

- Multi-frequency broadband sound
- Instantly locatable
- Sound confined to danger area
- Eliminates noise nuisance
- Sounder unit: speaker
- Hole centres: 76mm

Power

- Current: max 0.5 Amps

Durability and Standards

- Mechanical vibration: 10G
- Operating temperature: -40°C to +85°C
- CE Marked
- EMC Approved: E
- SAE J994

Corner Protector

304G Stainless Steel

- 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
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 a 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

<table>
<thead>
<tr>
<th>VCT104+/12.5R</th>
<th>Red</th>
</tr>
</thead>
<tbody>
<tr>
<td>VCT104+/12.5W</td>
<td>White</td>
</tr>
<tr>
<td>VCT104+/12.5Y</td>
<td>Yellow</td>
</tr>
</tbody>
</table>

- 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

### Oralite® VC104+ Vehicle Conspicuity Tape

#### 'Superior' Rigid Body Grade

<table>
<thead>
<tr>
<th>VCT104+/50R/36ADHESIVE</th>
<th>Red</th>
</tr>
</thead>
<tbody>
<tr>
<td>VCT104+/50W/36ADHESIVE</td>
<td>White</td>
</tr>
<tr>
<td>VCT104+/50Y/36ADHESIVE</td>
<td>Yellow</td>
</tr>
</tbody>
</table>

- 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
### Oralite® VC104+ Vehicle Conspicuity Tape

**'Standard' Curtain Grade**  
**50 Metre Rolls**

| Model     | Color      | Weight (
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>VCT104+PSA/50W</td>
<td>White</td>
<td>1.00kg</td>
</tr>
<tr>
<td>VCT104+PSA/50Y</td>
<td>Yellow</td>
<td></td>
</tr>
</tbody>
</table>

- 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

### Oralite® VC104+ Vehicle Conspicuity Tape

**'Segmented' Curtain Grade**  
**50 Metre Rolls**

<table>
<thead>
<tr>
<th>Model</th>
<th>Color</th>
<th>Weight</th>
<th>Segment Size</th>
<th>Edge Sealing Required</th>
<th>Flexibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>VCT104+PSA/SEG50W</td>
<td>White</td>
<td>1.24kg</td>
<td>W56 x H50mm (6mm spacing)</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>VCT104+PSA/SEG50Y</td>
<td>Yellow</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- 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

### Oralite® VC104+ Vehicle Conspicuity Tape

**Tanker Stickers**  
**50 Metre Rolls**

<table>
<thead>
<tr>
<th>Model</th>
<th>Color</th>
<th>Weight</th>
<th>Features</th>
</tr>
</thead>
</table>
| VCT104+PSA/TANKER/50R | Red     | 0.92kg | 310 x Kiss-cut stickers per 50 metre roll - 160mm x 50mm
| VCT104+/TANKER/50Y | Yellow   | | 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

### Oralite® Flexibright VC612

**High Performance Livery Film**

- Prismatic reflective performance
- Very high brightness
- Unique handling
- User friendly application
- Ability to conform to demands of vehicle shapes
- Flexible – great for application onto curved surfaces, e.g. motorbikes
- Easy to cut and no edge sealing required
- Withstands power washes
- Potential single piece removal
- Templates require fewer pieces
- Extensive warranty
- Full colour range available
- Meets PSDB specifications
Oralite® VC104+ '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 even intervals
- Single layer prismatic construction with adhesive backing
- 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 is printed onto the surface of the 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
- Logo is incorporated within the single layer prismatic construction
- Single layer prismatic construction with adhesive backing
- No edge sealing required
- Easy to cut, handle and apply
- Impact resistant
- Powerwash resistant
- Available in rigid and curtain grade
- Approved to ECE 104 Class C
- 10 Year warranty
- Application instructions must be followed - available upon request

Logo is incorporated within the single layer construction
**Fire Extinguishers**

*Dry Powder*

Blaze King 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.

- 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

### Fire Extinguishers

#### BlazeKing

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Capacity (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIREDCE1/POWDER</td>
<td>1</td>
</tr>
<tr>
<td>FIREDCE2/POWDER</td>
<td>2</td>
</tr>
<tr>
<td>FIREDCE3/POWDER</td>
<td>3</td>
</tr>
<tr>
<td>FIREDCE4/POWDER</td>
<td>4</td>
</tr>
<tr>
<td>FIREDCE6/POWDER</td>
<td>6</td>
</tr>
<tr>
<td>FIREDCE9/POWDER</td>
<td>9</td>
</tr>
</tbody>
</table>

#### BlazeKing

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Capacity (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIREDCE1/POWDER</td>
<td>1</td>
</tr>
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<td>FIREDCE2/POWDER</td>
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</tr>
<tr>
<td>FIREDCE3/POWDER</td>
<td>3</td>
</tr>
<tr>
<td>FIREDCE4/POWDER</td>
<td>4</td>
</tr>
<tr>
<td>FIREDCE6/POWDER</td>
<td>6</td>
</tr>
<tr>
<td>FIREDCE9/POWDER</td>
<td>9</td>
</tr>
</tbody>
</table>

| Wood, Paper, Textiles, Fabric |
| Petrol, Diesel, Oils |
| Butane, Methane, Propane |
| Computers, Switchgear, Faxes |

**Optional:**

- Universal Transport Bracket
   - FIRETBO16F/UNI
   - Suits 4, 6 & 9kg models
   - Adjustable strap for secure storage

---

**SAFETY**

**Fire Extinguisher Boxes**

<table>
<thead>
<tr>
<th>Capacity (kg)</th>
<th>Discharge Time (seconds)</th>
<th>Throw Range (Metre)</th>
<th>Fire Rating</th>
<th>Extinguisher Size (H x W)</th>
<th>Cylinder Diameter (D)</th>
<th>Working Temperature</th>
<th>Filled Weight (kg)</th>
<th>Bracket Supplied</th>
<th>Working Pressure (bar)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>8</td>
<td>3.0</td>
<td>8A 34B</td>
<td>320 x 85mm</td>
<td>85</td>
<td>-30°C to +60°C</td>
<td>2.0</td>
<td>Vehicle Mounting Bkt</td>
<td>15</td>
</tr>
<tr>
<td>2</td>
<td>13-14</td>
<td>3.1</td>
<td>13A 89B</td>
<td>385 x 110mm</td>
<td>110</td>
<td></td>
<td>3.7</td>
<td>Vehicle Mounting Strap</td>
<td>15</td>
</tr>
<tr>
<td>3</td>
<td>13-14</td>
<td>3.4</td>
<td>21A 113B</td>
<td>440 x 215mm</td>
<td>110</td>
<td></td>
<td>5.2</td>
<td>Wall Mounting Bracket</td>
<td>15</td>
</tr>
<tr>
<td>4</td>
<td>15-17</td>
<td>4.6</td>
<td>27A 144B</td>
<td>490 x 200mm</td>
<td>130</td>
<td></td>
<td>6.4</td>
<td></td>
<td>15</td>
</tr>
<tr>
<td>6</td>
<td>19-20</td>
<td>5.0</td>
<td>43A 233B</td>
<td>540 x 254mm</td>
<td>154</td>
<td></td>
<td>13.3</td>
<td></td>
<td>15</td>
</tr>
<tr>
<td>9</td>
<td>24-25</td>
<td>6.0</td>
<td>55A 233B</td>
<td>560 x 330mm</td>
<td>182</td>
<td></td>
<td>17.5</td>
<td></td>
<td>15</td>
</tr>
</tbody>
</table>
Fire Extinguishers
Foam

Blaze King 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.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Capacity (litre)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIREFCE1/FOAM</td>
<td>1</td>
</tr>
<tr>
<td>FIREFCE2/FOAM</td>
<td>2</td>
</tr>
<tr>
<td>FIREFCE6/FOAM</td>
<td>6</td>
</tr>
<tr>
<td>FIREFCE9/FOAM</td>
<td>9</td>
</tr>
</tbody>
</table>

- 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

---

### Blaze King Foam Fire Extinguishers

**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.**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Capacity (litre)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIREFCE1/FOAM</td>
<td>1</td>
</tr>
<tr>
<td>FIREFCE2/FOAM</td>
<td>2</td>
</tr>
<tr>
<td>FIREFCE6/FOAM</td>
<td>6</td>
</tr>
<tr>
<td>FIREFCE9/FOAM</td>
<td>9</td>
</tr>
</tbody>
</table>

**Fire Extinguishers**

- **Part No.**
- **Capacity (litre)**
- **Discharge Time (seconds)**
- **Throw Range (Metre)**
- **Fire Rating**
- **Extinguisher Size (H x W)**
- **Cylinder Diameter (D)**
- **Working Temperature**
- **Filled Weight (kg)**
- **Bracket Supplied**
- **Working Pressure (bar)**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>FIREFCE1/FOAM</th>
<th>FIREFCE2/FOAM</th>
<th>FIREFCE6/FOAM</th>
<th>FIREFCE9/FOAM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity (litre)</td>
<td>1</td>
<td>2</td>
<td>6</td>
<td>9</td>
</tr>
<tr>
<td>Discharge Time (seconds)</td>
<td>8</td>
<td>12</td>
<td>17</td>
<td>17</td>
</tr>
<tr>
<td>Throw Range (Metre)</td>
<td>3.0</td>
<td>3.1</td>
<td>5.5</td>
<td>6.0</td>
</tr>
<tr>
<td>Fire Rating</td>
<td>5A 21B</td>
<td>8A 55B</td>
<td>21A 144B</td>
<td>27A 233B</td>
</tr>
<tr>
<td>Extinguisher Size (H x W)</td>
<td>335 x 85mm</td>
<td>405 x 110mm</td>
<td>540 x 277mm</td>
<td>620 x 297mm</td>
</tr>
<tr>
<td>Cylinder Diameter (D)</td>
<td>85</td>
<td>110</td>
<td>162</td>
<td>182</td>
</tr>
<tr>
<td>Working Temperature</td>
<td>+5°C to +60°C</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Filled Weight (kg)</td>
<td>2.1</td>
<td>3.8</td>
<td>9.6</td>
<td>13.9</td>
</tr>
<tr>
<td>Bracket Supplied</td>
<td>Vehicle Mounting Bracket</td>
<td>Wall Mounting Bracket</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Working Pressure (bar)</td>
<td>12</td>
<td>15</td>
<td>15</td>
<td>15</td>
</tr>
</tbody>
</table>
Important for its non-damaging highly effective performance and cleanliness. Suitable for situations involving flammable liquids and electrical hazards. CO2 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.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Capacity (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIREC2S/CO2</td>
<td>2</td>
</tr>
<tr>
<td>FIREC5/CO2</td>
<td>5</td>
</tr>
</tbody>
</table>

- 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

Optional: Transport Brackets
FIRECB003F/2
- Suits 2kg model
- Adjustable strap for secure storage

FIRECB004F/5
- Suits 5kg model
- Adjustable strap for secure storage

<table>
<thead>
<tr>
<th>Part No.</th>
<th>FIREC2S/CO2</th>
<th>FIREC5/CO2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity (kg)</td>
<td>2</td>
<td>5</td>
</tr>
<tr>
<td>Discharge Time (seconds)</td>
<td>20</td>
<td>22</td>
</tr>
<tr>
<td>Throw Range (Metre)</td>
<td>6.5</td>
<td>7.0</td>
</tr>
<tr>
<td>Fire Rating</td>
<td>34B</td>
<td>70B</td>
</tr>
<tr>
<td>Extinguisher Size (H x W)</td>
<td>535 x 175</td>
<td>760 x 190</td>
</tr>
<tr>
<td>Cylinder Diameter (D)</td>
<td>175</td>
<td>160</td>
</tr>
<tr>
<td>Working Temperature</td>
<td>-20°C to +60°C</td>
<td></td>
</tr>
<tr>
<td>Filled Weight (kg)</td>
<td>5.8</td>
<td>13.9</td>
</tr>
<tr>
<td>Working Pressure (bar)</td>
<td>150</td>
<td>150</td>
</tr>
</tbody>
</table>

See chart below for extinguisher sizes
For July 2011, 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

### Rear Marker Plate

**ECE70.01**

**RMPCBF/ECE7001/1**

- wgt. 0.58kg
- L1132 x W132mm
- Aluminium
- Supplied singly
- Carries ECE70.01 approval mark
- Monogramming service available

**RMPCBF/ECE7001/2/3**

- Aluminium
- L566 x W132mm
- Supplied in pairs
- Carries ECE70.01 approval mark
- Monogramming service available

**RMPCBF/ECE7001/2/3A**

- Self adhesive
- L566 x W132mm
- Supplied in pairs
- Carries ECE70.01 approval mark
- Monogramming service available

**RMPCBF/ECE7001/4**

- wgt. 0.80kg
- L1132 x W197mm
- Aluminium
- Supplied singly
- Carries ECE70.01 approval mark
- Monogramming service available

**RMPCBF/ECE7001/5**

- wgt. 0.80kg
- L566 x W197mm
- Aluminium
- Supplied in pairs
- Carries ECE70.01 approval mark
- Monogramming service available

**RMPCBF/ECE7001/8**

- wgt. 0.65kg
- L283 x W132mm
- Aluminium
- Supplied in sets of 4
- Carries ECE70.01 approval mark
- Monogramming service available

**RMPCBF/ECE7001/9**

- wgt. 0.81kg
- L283 x W197mm
- Aluminium
- Supplied in sets of 4
- Carries ECE70.01 approval mark
- Monogramming service available
**SAFETY**

### ADR Hazchem Boards

**Stainless Steel**

- **RMP3520200/VSS**
  - Vertical folding
  - Weight: 0.85kg
  - Stainless steel
  - Fully stainless steel - corrosion resistant
  - Extra toggle supplied (to hold board open)
  - Supplied singly

- **RMP3520100/HSS**
  - Horizontal folding

### ADR Hazchem Boards

**Galvanized**

- **RMP3320200/VGV**
  - Vertical folding
  - Weight: 1.05kg
  - Pre-galvanized to prevent corrosion
  - Extra toggle supplied (to hold board open)
  - Supplied singly

- **RMP3320100/HGV**
  - Horizontal folding

### ADR Hazchem Plate & Holder

**Galvanized & Stainless Steel**

- **RMP3320000/PGV**
  - Plate
  - Weight: 0.93kg
  - Galvanized
  - W400 x H300 x T1mm

- **RMP3520000/PSS**
  - Plate
  - Weight: 0.75kg
  - Stainless steel
  - W400 x H300 x T0.8mm

- **RMP3510382/PHCSS**
  - Holder
  - Weight: 0.86kg
  - Stainless steel
  - W405 x H305 x T0.8mm

- 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
wgt. 0.15kg
- W250 x H250 x T1.0mm
- Aluminium - corrosion resistant
- Extra toggle supplied (to hold board open)
- Supplied singly

Oversize Load Board
Galvanized

REF503627/GV
wgt. 1.40kg
- W423 x H423 x T1mm
- Reflective class 1 foil
- Suitable for both left & right hand fitment
- TPESC Approval and DIN 11030

Directional Board
Aluminium

REF600/BW/AL
wgt. 4.02kg
- Diameter: 600mm
- Ø50mm Routered centre hole
- Class REF2 engineering grade reflective vinyl
- Retroreflective blue sheeting to BS EN 12899-7

Warning Triangle
Reflective

REFMP120/WT
wgt. 0.78kg
- Storage case: L440 x W160 x D30mm
- Triangle: H460mm
- Ideal for breakdown situations
- Complete with storage case
- E Approved
## SAFETY

### Certificate / Document Holder

**Black Epoxy Coated**

<table>
<thead>
<tr>
<th>Reference</th>
<th>Weight</th>
<th>Dimensions</th>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>REF3003</td>
<td>0.42kg</td>
<td>W190 x H145mm</td>
<td>Clear plastic window, accommodates certificate/document: W155 x H105mm</td>
</tr>
</tbody>
</table>

### Certificate / Document Holder

**Black Epoxy Coated & Zinc Plated**

<table>
<thead>
<tr>
<th>Reference</th>
<th>Weight</th>
<th>Dimensions</th>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>REF3278</td>
<td>0.34kg</td>
<td>W184 x H204mm</td>
<td>Clear plastic window, accommodates certificate/document: W150 x H170mm</td>
</tr>
<tr>
<td>REF3278/ZP</td>
<td>0.34kg</td>
<td>W184 x H204mm</td>
<td>Zinc plated, clear plastic window, accommodates certificate/document: W150 x H170mm</td>
</tr>
</tbody>
</table>

### Certificate / Document Holder

**Black Epoxy Coated**

<table>
<thead>
<tr>
<th>Reference</th>
<th>Weight</th>
<th>Dimensions</th>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>REF3278/EX</td>
<td>0.55kg</td>
<td>W184 x H234mm</td>
<td>Clear plastic window, accommodates certificate/document: W150 x H200mm</td>
</tr>
</tbody>
</table>

### Certificate / Document & Licence Holder

**Black Epoxy Coated**

<table>
<thead>
<tr>
<th>Reference</th>
<th>Weight</th>
<th>Dimensions</th>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>REF/MOT5</td>
<td>0.29kg</td>
<td>W175 x H180mm</td>
<td>Lightweight design, clear plastic internal document sleeve, accommodates certificate/document: W148 x H155mm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Reference</th>
<th>Weight</th>
<th>Dimensions</th>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>REF3277</td>
<td>0.53kg</td>
<td>W184 x H204mm</td>
<td>Accommodates certificate/document: W150 x H170mm &amp; licence disc, clear plastic window</td>
</tr>
<tr>
<td>REF3277/EX</td>
<td>0.62kg</td>
<td>W184 x H234mm</td>
<td>Accommodates certificate/document: W150 x H200mm &amp; licence disc, clear plastic window</td>
</tr>
</tbody>
</table>
**Anti-Blind Spot Fresnel Lens**
Self Adhesive

**REF210148/PVC/FL**
wgt. 0.04kg
- 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

---

**Height Indicator**
Imperial Sizing

**REF/HM2**
wgt. 0.23kg
- W164 x H85mm
- Black epoxy coated steel
- Imperial cards ranging from 10' 0" to 20' 11"
- Supplied with the self adhesive velcro mounting pads

---

**Height Indicator**
Metric & Imperial Sizing

**REF/HM3**
wgt. 0.09kg
- 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 the self adhesive velcro mounting pads

---

**Height Indicator**
Imperial Sizing

**REF/HM1**
wgt. 0.16kg
- W155 x H125mm
- Red plastic housing
- Adjustable winding ranges from 8' 0" to 20' 11"

---

** Licence Disc Holder**
Black Epoxy Coated

**REF874/S**
wgt. 0.06kg
- Single

**REF874/D**
wgt. 0.11kg
- Double
  - Diameter: 77mm
  - Clear plastic window

---

**Height Indicator**
Imperial Sizing

**REF/HM1**
wgt. 0.16kg
- W155 x H125mm
- Red plastic housing
- Adjustable winding ranges from 8' 0" to 20' 11"

---

**Height Indicator**
Metric & Imperial Sizing

**REF/HM3**
wgt. 0.09kg
- 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 the self adhesive velcro mounting pads

---

** Licence Disc Holder**
Black Epoxy Coated

**REF874/S**
wgt. 0.06kg
- Single

**REF874/D**
wgt. 0.11kg
- Double
  - Diameter: 77mm
  - Clear plastic window
SAFETY

Fuel Filler Flaps
Grey Painted

REF10/190245/SM  Small
wgt. 0.72kg
- Overall size: W190 x H245mm
- Flap size: W164 x H190mm
- Spring loaded

REF10/258295/LG  Large
wgt. 0.99kg
- Overall size: W258 x H295mm
- Flap size: W185 x H225mm
- Spring loaded

Number Plate Holder
304G Stainless Steel

REF60158/10
wgt. 0.04kg
- 304G Stainless steel
- Suits 110mm (wide) number plate
- Pre-drilled
- Spring loaded
- Corrosion resistant
- Supplied singly
- 3 x ø5mm Fixing holes

Tail-Lift Flag
Set of 2

REF245305/2/YEL
wgt. 0.05kg
- 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
**SAFETY**

**Reflector**

**Amber**

**REF4/A**
- Wgt. 0.03kg
- Reflector: W88 x H34mm
- Overall: W107 x H38mm
- 2 x Ø4mm Fixing holes

**REF4/SA**
- Wgt. 0.02kg
- Reflector: W88 x H35mm
- Self adhesive backing

**REF60A**
- Wgt. 0.02kg
- Reflector: Ø60mm
- 1 x Ø5.6mm Fixing hole

**Red**

**REF2/R**
- Wgt. 0.06kg
- Reflector: W150 x H132mm
- 2 x Ø5.6mm Fixing holes

**REF4/R**
- Wgt. 0.03kg
- Reflector: W88 x H34mm
- Overall: W107 x H38mm
- 2 x Ø4mm Fixing holes

**REF4/RSA**
- Wgt. 0.02kg
- Reflector: W88 x H35mm
- Self adhesive backing

**Clear**

**REF6/C**
- Wgt. 0.02kg
- Reflector: W73 x H43mm
- 2 x Ø5.6mm Fixing holes
SAFETY

**03 SERIES**

**Fire Extinguisher Holder**
Suitable for 2kg Extinguisher

**FIREJFEX03R/R**
wgt. 0.98kg
- 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

**65 SERIES**

**Fire Extinguisher Box**
Suitable for 6kg Extinguisher

**FIREJBF65B/B**
wgt. 3.10kg
- H650 x W260 x D275mm
- Suitable for 6kg extinguisher (max. height 600mm)
- Black, fully recyclable polyethylene
- Top loading
- 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 261 for fixing kit

**FIREJBF65R/R**
wgt. 3.10kg
- H650 x W260 x D275mm
- Suitable for 6kg extinguisher (max. height 600mm)
- Red, fully recyclable polyethylene
- Top loading
- 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 261 for fixing kit

**75 SERIES**

**Fire Extinguisher Box**
Suitable for 9kg Extinguisher

**FIREJBF75R/R**
wgt. 4.50kg
- H750 x W300 x D300mm
- Suitable for 9kg extinguisher (max. height 700mm)
- Red, fully recyclable polyethylene
- Top loading
- 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 261 for fixing kit
Fire Extinguisher Box
Suitable for 6kg Extinguisher

FIRE82410/6/R/R
wgt. 2.50kg
- H595 x W265 x D280mm
- 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 261 for fixing kit

Fire Extinguisher Box
Suitable for 6kg or 9kg Extinguisher

FIRE82030/69/R/B
wgt. 4.00kg
- H675 x W310 x D250mm
- Suitable for 6kg or 9kg extinguisher
- IP59K Rated
- 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)

Fire Extinguisher Box
Suitable for 9kg Extinguisher

FIREJBE83R/B
wgt. 6.10kg
- H830 x W330 x D270mm
- Suitable for 9kg extinguisher
- Manufactured from black / red, fully recyclable polyethylene
- Front loading
- Strong and durable
- Plastic toggle / velcro straps
- 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)
SAFETY

66 & 75 SERIES

**Safety Storage Box**

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Dimensions</th>
<th>Weight</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIREJBA65G/G</td>
<td>H650 x W260 x D275mm</td>
<td>5.00kg</td>
<td>Standard unit</td>
</tr>
<tr>
<td>FIREJBA65T</td>
<td>H750 x W300 x D300mm</td>
<td>5.30kg</td>
<td>Complete with anti-static device</td>
</tr>
</tbody>
</table>

- Suitable for storage of spill kits / 1 kit per box
- Grey, fully recyclable polyethylene
- Strong and durable
- 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 261 for fixing kit

66 SERIES

**Spill Kit Storage Box**

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Dimensions</th>
<th>Weight</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIREJBEA66</td>
<td>H650 x W300 x D410mm</td>
<td>5.00kg</td>
<td>Standard unit</td>
</tr>
<tr>
<td>FIREJBEA66T</td>
<td>H750 x W300 x D300mm</td>
<td>5.30kg</td>
<td>Complete with anti-static device</td>
</tr>
</tbody>
</table>

- H650 x W300 x D410mm
- Grey, fully recyclable polyethylene
- **FIREJBEA66T** Supplied complete with anti-static device to discharge any static created when withdrawing the spill kit
- Strong and durable
- Designed specifically for storage of spillage kits / 2 kits per box
- 60 Litre capacity
- Essential for ADR required vehicles
- Spill kit and ADR labels supplied loose
- Fixing kit not available
- Not suitable for heavy objects, i.e. fire extinguishers

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

**Contents:**
- 10 x Premium chemical pads - 500 x 400mm
- 3 x Premium chemical socks - 75 x 1200mm
- 3 x Chemical absorbent pillows - 380 x 230mm
- 2 x Black cable ties - 300mm
- 2 x Blue plastic disposal bags (50 micron) - 460 x 900mm
- 1 x Chemical spill kit header card - 500 x 400mm
- 1 x Spill kit instruction sheet

Oil Spill Kit

30 Litre Absorbent Capacity

**FIRESPILLKIT**

- This kit is designed to absorb and retain all industrial liquids, including aggressive chemicals and oil
- Supplied in a clip-close plastic bag

**Contents:**
- 25 x Absorbent pads
- 4 x Socks - 1200mm
- 1 x Large cushion
- 2 x Bags & tie
- 1 x Gloves (pair)
Storage Box Fitting Kit
30° & 60° Mounting

**FIRE/KIT55**
wgt. 3.10kg
- For mounting the following storage boxes: FIREJBF65B/B, FIREJBF65R/R, FIREJBF75R/R, FIREJBF65G/G & FIREJBF75G/G
- 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

Storage Box Fitting Kit
Horizontal & Vertical Mounting

**FIRE/KIT56**
wgt. 1.60kg
- For mounting the following storage boxes: FIREJBF65B/B, FIREJBF65R/R, FIREJBF75R/R, FIREJBF65G/G & FIREJBF75G/G
- 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

Storage Box Fitting Kit
30° & 60° Mounting

**FIRE88532/GV**
wgt. 4.50kg
- Suits FIRE82410/6/R/R (ADAMANT 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
**SAFETY**

**PSV First Aid Kit**  
Meets the Legal Requirements for PSV  
(Maximum of 8 Passengers)  
**Suitable for Car, Minibus & Taxi**

**FA025**  
wgt. 0.56kg  
- Case size: W205 x H200 x D65mm  
- Supplied complete with integral mounting bracket  
**Contents:**  
- 24 x Assorted washproof sterile plasters  
- 10 x Antiseptic wipes  
- 12 x Safety pins, assorted  
- 1 x Gloves (pair)  
- 3 x No. 2 Ambulance dressing, large  
- 2 x Eye pad dressing  
- 1 x Conforming bandage  
- 2 x Triangular bandage, non-woven  
- 1 x 5” Stainless steel plastic handled scissor  
- 1 x Guidance leaflet

**FA1045026**  
wgt. 0.14kg  
- Suitable for office, car & home  
- Single person use  
- Pack size: W130 x H130 x D60mm  
**Contents:**  
- 20 x Washproof plasters  
- 12 x Safety pins  
- 6 x Alcohol free wipes  
- 5 x Eye wash pods (20ml)  
- 1 x Microporous tape  
- 2 x Conforming bandages  
- 2 x Triangular bandages  
- 5 x Non-adherent dressings  
- 1 x Large dressing  
- 1 x Scissors  
- 2 x Fingerstalls  
- 2 x Gloves (pair)  
- 1 x Guidance leaflet

**Van & Truck First Aid Kit**  
Contains the HSE Recommended First Aid Components for Travelling Employee's

**FA1019033**  
wgt. 0.54kg  
- Case size: W190 x H190 x D90mm  
- Supplied complete with bracket, suitable for van & truck fitment  
**Contents:**  
- 20 x Washproof plasters  
- 12 x Safety pins  
- 6 x Alcohol free wipes  
- 5 x Eye wash pods (20ml)  
- 1 x Microporous tape  
- 2 x Conforming bandages  
- 2 x Triangular bandages  
- 5 x Non-adherent dressings  
- 1 x Large dressing  
- 1 x Scissors  
- 2 x Fingerstalls  
- 2 x Gloves (pair)  
- 1 x Guidance leaflet

**First Aid Travel Pack**  
HSE Compliant

**FA1010026**  
wgt. 0.14kg  
- Suitable for office, car & home  
- Single person use  
- Pack size: W130 x H130 x D60mm  
**Contents:**  
- 10 x Washproof plasters  
- 12 x Safety pins  
- 6 x Alcohol free wipes  
- 2 x Gloves (pair)  
- 1 x Large dressing  
- 2 x Triangular bandages  
- 1 x Guidance leaflet

**Emergency Hammer & Belt Cutter**  
Surface Mounting

**FIRELH1**  
wgt. 0.16kg  
- 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
Sikaflex® 212FC is a universal sealant which is suitable for most sealing applications in commercial vehicle building.

Sikaflex® 212FC is a high-quality multi-purpose non-sag one-component polyurethane sealant that cures on exposure to atmospheric moisture to form a durable elastomer.

Sikaflex® 212FC bonds to itself, can be sanded and over-painted in its fully cured state.

### Fastcure 2000

**Commercial Vehicle Adhesive Sealant**

Fastcure 2000 is a high-quality multi-purpose non-sag one-component polyurethane sealant that cures on exposure to atmospheric moisture to form a durable elastomer.

**Tried and tested in service for many years**

Fastcure 2000 bonds to a wide range of substrates and is suitable for making permanent elastic seals of high adhesive strength.

Suitable substrate materials include: timber, metals, metal primers, paint coatings (two component systems), ceramic materials and plastic.

| SEALCBF2000/B | Black | 300ml cartridges | 12 per box | wgt. 0.44kg |
| SEALCBF2000/G | Grey  | 300ml cartridges | 12 per box |
| SEALCBF2000/W | White | 300ml cartridges | 12 per box |

- 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
- Advice should be sought before using on transparent and pigmented materials that are prone to stress and cracking

### Sikaflex® 212FC

**Commercial Vehicle Adhesive Sealant**

Sikaflex® 212FC is a high-quality multi-purpose non-sag one-component polyurethane sealant that cures on exposure to atmospheric moisture to form a durable elastomer.

Sikaflex® 212FC is a universal sealant which is suitable for most sealing applications in commercial vehicle building.

The product possesses excellent sealing properties and bonds well to most materials commonly used in the commercial vehicle industry, e.g. metals, plastics, wood and glass.

Sikaflex® 212FC bonds to itself, can be sanded and over-painted in its fully cured state.

| SEAL212FC/B  | Black | 300ml cartridges | 12 per box |
| SEAL212FC/G  | Grey  | 300ml cartridges | 12 per box |
| SEAL212FC/W  | White | 300ml cartridges | 12 per box |
| SEAL212FC/400W | White | 400ml sachets | 12 per box | wgt. 0.49kg |
| SEAL212FC/600B | Black | 600ml sachets | 20 per box | wgt. 0.78kg |
| SEAL212FC/600W | White | 600ml sachets | 20 per box |

- 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
- Advice should be sought before using on transparent and pigmented materials that are prone to stress and cracking
Sikaflex® 221 Adhesive Sealant
Multi-Purpose Polyurethane Adhesive Sealant

Sikaflex® 221 bonds to a wide variety of substrates: timber, metals, metal primers and paint coatings (2 component systems), ceramic materials and plastics.

Suitable for making permanent elastic seals of high adhesive strength

- SEAL221/B Black 300ml cartridges 12 per box
- SEAL221/G Grey 300ml cartridges 12 per box
- SEAL221/W White 300ml cartridges 12 per box
- SEAL221/400W White 400ml sachets 12 per box
- SEAL221/600B Black 600ml sachets 20 per box
- SEAL221/600G Grey 600ml sachets 20 per box
- SEAL221/600W White 600ml sachets 20 per box

Wgt. 0.44kg

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
Advice should be sought before using on transparent and pigmented materials that are prone to stress and cracking

Sikaflex® 252 Adhesive Sealant
Structural Adhesive Sealant

Sikaflex® 252 can be used on numerous substrates: timber, metals, particularly aluminium (including anodized coatings), sheet metal (including phosphated, chromated and zinc plated components), metal primers and paint coatings (2 component systems), ceramic materials and plastics.

Suitable for joints subjected to dynamic stresses

- SEAL252/B Black 300ml cartridges 12 per box
- SEAL252/W White 300ml cartridges 12 per box
- SEAL252/600W White 600ml sachets 20 per box

Wgt. 0.49kg

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
Advice should be sought before using on transparent and pigmented materials that are prone to stress and cracking
**Sikaflex® 552 ‘Hybrid’ Assembly Adhesive Sealant**

High Performance with Reduced Substrate Preparation
Isocyanate & Solvent Free

Sikaflex® 552 is suitable for structural joints that will be subjected to dynamic stresses. Bonds well to a wide variety of substrates and is suitable for making permanent high strength elastic adhesive seals. Suitable substrate materials include: wood, metals, metal primers and paint coatings (2 component systems), ceramic materials, plastics and glass.

<table>
<thead>
<tr>
<th>SEAL552/600B</th>
<th>SEAL552/600W</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black 600ml sachets 20 per box</td>
<td>White 600ml sachets 20 per box</td>
</tr>
</tbody>
</table>

- 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
- Advice should be sought before using on transparent and pigmented materials that are prone to stress and cracking

**Sikaflex® 265 Adhesive & Joint Sealant**

Window Replacement Adhesive & Joint Sealant for Buses, Trucks & Rail Vehicles

Sikaflex® 265 is designed for direct glazing applications in both the OEM and repair markets, and is suitable for use with mineral glass based windows. Before installing laminated safety glass windshields incorporating heating elements or radio aerials in the PVB sandwich layer, we recommend to contact Sika’s technical service department for advice. Sikaflex® 265 can be tooled to a very fine finish. It contains special stabilizing ingredients to enhance its UV resistance, is therefore suitable for use in exposed joints.

<table>
<thead>
<tr>
<th>SEAL265/B</th>
<th>SEAL265/600B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black 300ml cartridges 12 per box</td>
<td>Black 600ml sachets 20 per box</td>
</tr>
</tbody>
</table>

- 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
- Advice should be sought before using on transparent and pigmented materials that are prone to stress and cracking
**Sikaflex® 521UV 'Hybrid' Adhesive Sealant**  
Isocyanate & Solvent Free

Sikaflex® 521UV cures on exposure to the atmospheric humidity to form a durable elastomer.

Sikaflex® 521UV 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.

<table>
<thead>
<tr>
<th>Sealant Code</th>
<th>Color</th>
<th>Package</th>
<th>Quantity per box</th>
</tr>
</thead>
<tbody>
<tr>
<td>SEAL521UV/B</td>
<td>Black</td>
<td>300ml cartridges</td>
<td>12 per box</td>
</tr>
<tr>
<td>SEAL521UV/G</td>
<td>Grey</td>
<td>300ml cartridges</td>
<td>12 per box</td>
</tr>
<tr>
<td>SEAL521UV/W</td>
<td>White</td>
<td>300ml cartridges</td>
<td>12 per box</td>
</tr>
<tr>
<td>SEAL521UV/600B</td>
<td>Black</td>
<td>600ml sachets</td>
<td>20 per box</td>
</tr>
<tr>
<td>SEAL521UV/600W</td>
<td>White</td>
<td>600ml sachets</td>
<td>20 per box</td>
</tr>
</tbody>
</table>

- One component polyurethane 'hybrid' sealant
- 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
- Advice should be sought before using on transparent and pigmented materials that are prone to stress and cracking

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**Sikaflex® 228 Fluid Adhesive**  
Low Viscosity, Self levelling One Component Polyurethane Adhesive

Sikaflex® 228 cures on exposure to atmospheric moisture to form a durable elastomer.

Sikaflex® 228 is an elastic panel adhesive suitable for bonding a variety of panel materials, including solvent-resistant foams (PUR), stainless steel sheet, aluminium sheet, 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.)

<table>
<thead>
<tr>
<th>Seal Code</th>
<th>Color</th>
<th>Package</th>
<th>Quantity per box</th>
</tr>
</thead>
<tbody>
<tr>
<td>SEAL228/600GW</td>
<td>Greyish white</td>
<td>600ml sachets</td>
<td>20 per box</td>
</tr>
</tbody>
</table>

- 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
- Advice should be sought before using on transparent and pigmented materials that are prone to stress and cracking
Sikaflex® 255FC High Strength Adhesive
Fast Curing, Flexible, High Performance, One Component Polyurethane based Adhesive

Sikaflex® 255FC is suitable for use on glass as well as metal panels (primed and painted). It offers extremely high initial bond strength. Its fast rate of cure results in rapid strength development and shorter service times. Sikaflex® 255FC can be used for structural bonding of large parts, including sheet metal, composites and glass. It is not for use in the replacement of automotive windshields.

SEAL255FC/B
Black 300ml cartridges 12 per box
wgt. 0.44kg
- 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
- Advice should be sought before using on transparent and pigmented materials that are prone to stress and cracking

SikaLastomer® 710 Butyl Sealant
Suitable for Plastic Sealing with a Possibility of Future Disassembly

SikaLastomer® 710 shows good adhesion on almost every technical surface, with minimal surface pre-treatment. It can be used in the car, bus, truck and caravan industry.

SEAL710/B
Black 310ml cartridges 12 per box
wgt. 0.44kg
- 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
- Advice should be sought before using on transparent and pigmented materials that are prone to stress and cracking
Sika Sanisil® Silicone Sealant
Cures by Reaction to Atmospheric Moisture

Sika Sanisil® is a one-part acetoxy-cure silicone sealant that cures by reaction with atmospheric moisture to form a durable elastomer.

SEALSANISIL/C Clear 300ml cartridges 12 per box
wgt. 0.44kg
- 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

SEALSANISIL/W White 300ml cartridges 12 per box
wgt. 0.44kg

Sika® 208 Cleaner
For use on Uncured Sikaflex®

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
wgt. 0.95kg
- Application temperature: +5°C to +35°C
- Drying time: 30 minutes - 24 hours (max.)
- Product data sheet available upon request
- Must be used according to Sika primer chart - available upon request
- Must not be used to clean soiled skin

EVERBUILD Wonder Wipes
For Use on Hands, Tools & Surfaces

SEALWONDERWIPES/100 wgt. 0.57kg
- Cleans up: paint, sealant, adhesive, bitumen, expanding foam, oil, grease and much more
- 100 Wipes per pack
- Pack size: H245 x ø110mm
- Contain a powerful anti-bacterial additive - tested by an independent laboratory to BS EN 1276:2009 (the standard for killing bacteria)
Sika® 204N is a moisture-curing low viscosity primer for use on base metals prior to bonding or sealing with Sikaflex® products. Sika® 204N is used as a bonding agent to promote adhesion of Sikaflex® products on metals like steel, stainless steel, galvanized steel, aluminium and anodized aluminium.

**SEAL204N**
- Yellow
- 250ml
- Wgt. 0.34kg
- Application temperature: +15°C to +25°C
- Flash-off time: Above 15°C 10 minutes (max. 24hrs)
- Below 15°C 30 minutes (max. 24hrs)
- Coverage: 50-150ml per M² (approx.), dependant on substrate porosity
- Application method: brush, felt, foam applicator
- Product data sheet available upon request
- Tests with actual substrates and conditions have to be performed to ensure adhesion and material compatibility
- Not suitable as an anti-corrosion paint

Sika® 206 G+P is a moisture curing liquid primer specifically formulated for the treatment of bond faces in direct glazing work, prior to application of Sika® polyurethane direct glazing adhesives. Sika® 206 G+P is used to give improved adhesion on glass and ceramic-coated glass in adhesive bonding applications. It can also be used to touch up scratches and other minor paint damage.

**SEAL206/250GP**
- Black
- 250ml
- Wgt. 0.33kg
- Application temperature: +15°C to +25°C
- Flash-off time: Above 15°C 10 minutes (max. 24hrs)
- Below 15°C 30 minutes (max. 24hrs)
- Coverage: 50-150ml per M² (approx.), dependant on substrate porosity
- Application method: brush, felt, foam applicator
- Product data sheet available upon request
- Tests with actual substrates and conditions have to be performed to ensure adhesion and material compatibility
Sika® Primer - 209D
Pigmented, Solvent Based Polyurethane Solution

Sika® 209D is a low viscosity primer to improve adhesion of Sikaflex® polyurethane adhesives on the following substrates:
Paints: Acrylics, alkyds / melamine, powder coatings, baking varnishes
Plastics: Acrylic (PMMA), polycarbonate, polystyrene, GRP, epoxy resins, ABS, PVC etc.

SEAL209D/250
Black 250ml
wgt. 0.33kg
- Application temperature: +15°C to +35°C
- Drying time: Above 15°C 10 minutes (max. 24hrs)
  Below 15°C 30 minutes (max. 24hrs)
- Coverage: 150ml per M² (approx.), dependant on substrate porosity
- Application method: brush, felt, foam applicator
- Product data sheet available upon request
- Seek the manufacturer’s advice before using the primer on thermoplastics that are prone to stress cracking, such as acrylics, polycarbonates or ABS etc.
- Tests with actual substrates and conditions have to be performed to ensure adhesion and material compatibility

Sika® Primer - 209N
Pigmented, Polyurethane Solution

Sika® 209N is a low viscosity primer which dries by reaction with atmospheric moisture. It is used to prime painted surfaces and plastics prior to bonding with Sikaflex® products, on the following substrates:
Paints: Acrylics, alkyds / melamine
Plastics: Acrylic (PMMA), polycarbonate, ABS, etc.

SEAL209N/250
Black 250ml
wgt. 0.33kg
- Application temperature: +10°C to +35°C
- Flash-off time: Above 15°C 10 minutes (max. 24hrs)
  Below 15°C 30 minutes (max. 24hrs)
- Coverage: 150ml per M² (approx.), dependant on substrate porosity
- Application method: brush or felt
- Product data sheet available upon request
- Seek the manufacturer’s advice before using the primer on thermoplastics that are prone to stress cracking, such as acrylics, polycarbonates or ABS etc.
- Tests with actual substrates and conditions have to be performed to ensure adhesion and material compatibility

Sika® Primer - 210
Solvent Based Adhesion Promoter

Sika® 210 is a low viscosity primer to improve adhesion of Sikaflex® products on the following substrates: GRP, ABS, plastics, aluminium, steel, polyurethane, various paints, lacquers and varnishes

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 (max. 24hrs)
  Below 15°C 30 minutes (max. 24hrs)
- Coverage: 50-150ml per M² (approx.), dependant on substrate porosity
- Application method: brush, felt, foam applicator
- Product data sheet available upon request
- Tests with actual substrates and conditions have to be performed to ensure adhesion and material compatibility
Sika® Primer - 215
Solvent Based Adhesion Promoter

Sika® 215 is a transparent, slightly yellow liquid of low viscosity that cures with atmospheric moisture. Suitable for application to the following substrates: plastics such as GRP, epoxy resins, PVC, ABS, various non-metallic substrates, plywood, timber and wooden fixtures

**SEAL215/250**
- Slightly yellow
- 250ml
- Application temperature: +5°C to +40°C
- Flash-off time: Above 15°C 30 minutes (max. 24hrs)
  Below 15°C 60 minutes (max. 24hrs)
- Coverage: 50-150ml per M² (approx.), dependant on substrate porosity
- Application method: brush, felt, foam applicator
- Product data sheet available upon request
- Not to be used on plastics that are prone to stress cracking, such as acrylics or polycarbonates
- Tests with actual substrates and conditions have to be performed to ensure adhesion and material compatibility

Sika® Aktivator - 205 (Cleaner)
Pre-Treatment for Non-Porous Substrates

Sika® 205 is used to clean and activate the following non-porous substrates: metals, plastics, glazed ceramics, painted surfaces

**SEAL205/250**
- Clear
- 250ml
- Application temperature: +5°C to +40°C
- Drying time: 10 minutes to 2 hours (subject to ambient temperature)
- Coverage: 30-60ml per M² (approx.)
- Alcohol solution, containing a bond activating substance
- Application method: wipe on with a lint-free paper towel
- Product data sheet available upon request
- Contains iso-propanol, which may dull the surface finish of some freshly applied paints
- Never apply to porous substrates
- Tests with actual substrates and conditions have to be performed to ensure material compatibility

Sika® Aktivator - 100 (Cleaner)

Sika® Aktivator is a cleansing and activating agent specifically formulated for the treatment of bond faces in direct glazing work, prior to application of various Sikaflex® polyurethane adhesives. It is used to clean and give improved adhesion on glass, ceramic-coated glass, the cut face of old polyurethane adhesive beads, polyurethane-coated window glass and two component paint systems

**SEALACTIV/250**
- Slightly yellow
- 250ml
- Application temperature: +5°C to +40°C
- Flash-off time: Above 15°C 10 minutes (max. 2hrs)
  Below 15°C 30 minutes (max. 2hrs)
- Coverage: 30-60ml per M² (approx.), dependant on substrate porosity
- Application method: wipe on with a lint-free paper towel
- Product data sheet available upon request
- Contains solvent, which may dull the surface finish of some freshly applied paints
- Never apply to porous substrates
- Tests with actual substrates and conditions have to be performed to ensure material compatibility
Sealant Applicator
Easi-Flow HD – 400ml

**SEAL14/400**
wgt. 0.54kg
- 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

Sealant Applicator
'Power-Flow' Cartridge – 400ml

**SEALPF/CART400**
wgt. 0.79kg
- 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

Sealant Applicator
'Power-Flow' Combi - 300ml & 400ml

**SEAL400/HND**
wgt. 1.01kg
- 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 273 for suitable nozzles

Universal Sealant Applicator
'Ultra-Flow' Combi - 300ml, 400ml & 600ml

**SEALUF/COMBI400**
wgt. 1.06kg
- Dispenses: 300ml - 400ml cartridges
- 400ml sachets
- 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 273 for suitable nozzles

**SEALUF/COMBI600**
wgt. 1.14kg
- Dispenses: 300ml - 400ml cartridges
- 400ml - 600ml sachets
**SEALANTS & ADHESIVES**

**Sachet Gun Applicator**

*Pneumatic Applicator*

**SEAL400/AIR**

- **wgt.** 0.94kg
  - Dispenses 400ml sachets

**SEAL600/AIR**

- **wgt.** 1.03kg
  - Dispenses 600ml sachets
  - Robust anodised aluminium barrel
  - Maximum use of sealant
  - Swivelling air hose connector
  - Quiet operation (less than 70dB)
  - Fast & accurate
  - Quick adjustment pressure regulator
  - Spare nozzles available
  - Spare parts available upon request
  - See below for suitable nozzles

**Standard Cartridge Nozzle & Sachet Nozzle Adaptor**

**SEAL2N1018/CAR**

- **wgt.** 0.01kg
  - Suits all Fastcure & Sika cartridges

**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**

- **wgt.** 0.02kg
  - Can be cut to size to produce a 3mm to 13mm bead
  - For use with all sachet applicators
  - Fits directly under front cap

**Sachet 'Cone' Nozzle**

*Wide Body*

**SEAL2N1006/SAC**

- **wgt.** 0.02kg
  - Can be cut to size to produce a 3mm to 13mm bead
  - For use with all sachet applicators
  - Fits directly under front cap

**Sachet 'Cone' Nozzle**

*Narrow Body*

**SEAL2N1007/SAC**

- **wgt.** 0.01kg
  - Can be cut to size to produce a 3mm to 13mm bead
  - For use with all sachet applicators
  - Fits directly under front cap
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

<table>
<thead>
<tr>
<th>Part No.</th>
<th>180° Carrier</th>
<th>90° Carrier</th>
<th>45° Carrier</th>
<th>Filament Length (mm)</th>
<th>Weight per Metre (kgs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DGR1/12</td>
<td>10.5</td>
<td>5.3</td>
<td>5.2</td>
<td>9.5</td>
<td>12</td>
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<tr>
<td>DGR2/15</td>
<td>11.0</td>
<td>7.0</td>
<td>6.7</td>
<td>11.1</td>
<td>15</td>
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<tr>
<td>DGR2/20</td>
<td>11.0</td>
<td>7.0</td>
<td>6.7</td>
<td>11.1</td>
<td>20</td>
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<tr>
<td>DGR2/26</td>
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<td>11.1</td>
<td>26</td>
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<tr>
<td>DGR2/34</td>
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<td>34</td>
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<tr>
<td>DGR3/17</td>
<td>13.0</td>
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<td>40</td>
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<tr>
<td>DGR3/20</td>
<td>13.0</td>
<td>8.4</td>
<td>8.0</td>
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<tr>
<td>DGR3/26</td>
<td>13.0</td>
<td>8.4</td>
<td>8.0</td>
<td>15.0</td>
<td>26</td>
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<tr>
<td>DGR3/34</td>
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<td>8.0</td>
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<tr>
<td>DGR3/40</td>
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<td>8.0</td>
<td>15.0</td>
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<tr>
<td>DGR3/44</td>
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<tr>
<td>DGR3/50</td>
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<td>8.4</td>
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<td>50</td>
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<tr>
<td>DGR4/26</td>
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<td>10.8</td>
<td>17.3</td>
<td>26</td>
</tr>
<tr>
<td>DGR4/43</td>
<td>18.0</td>
<td>11.0</td>
<td>10.8</td>
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<td>43</td>
</tr>
<tr>
<td>DGR4/50</td>
<td>18.0</td>
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<td>10.8</td>
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<td>18.0</td>
<td>11.0</td>
<td>10.8</td>
<td>17.3</td>
<td>80</td>
</tr>
<tr>
<td>DGR4/102</td>
<td>18.0</td>
<td>11.0</td>
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<td>102</td>
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<tr>
<td>DGR5/46</td>
<td>20.0</td>
<td>13.0</td>
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<tr>
<td>DGR5/50</td>
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<td>13.0</td>
<td>13.0</td>
<td>22.0</td>
<td>50</td>
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<td>DGR5/66</td>
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<td>13.0</td>
<td>22.0</td>
<td>66</td>
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<tr>
<td>DGR5/80</td>
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<td>13.0</td>
<td>13.0</td>
<td>22.0</td>
<td>80</td>
</tr>
<tr>
<td>DGR5/102</td>
<td>20.0</td>
<td>13.0</td>
<td>13.0</td>
<td>22.0</td>
<td>102</td>
</tr>
<tr>
<td>DGR5/150</td>
<td>20.0</td>
<td>13.0</td>
<td>13.0</td>
<td>22.0</td>
<td>150</td>
</tr>
<tr>
<td>DGR5/180</td>
<td>20.0</td>
<td>13.0</td>
<td>13.0</td>
<td>22.0</td>
<td>180</td>
</tr>
</tbody>
</table>
### Ej-Trim Section
Suits 1-3mm Panel Thickness

**RUMS101/50B**
- wgt. 7.00kg
- Black
- 50 Metre roll
- Soft PVC complete with self-grip steel core

### Ej-Trim Section
Suits 1-2mm Panel Thickness

**RUMS102/50B**
- wgt. 3.00kg
- Black
- 50 Metre roll
- Soft PVC complete with self-grip steel core

### Ej-Trim Section
Suits 1-4mm Panel Thickness

**RUMS103/50B**
- wgt. 8.00kg
- Black
- 50 Metre roll
- Soft PVC complete with self-grip steel core

### Ej-Trim Section
Suits 1-5mm Panel Thickness

**RUMS106/50B**
- wgt. 9.00kg
- Black
- 50 Metre roll
- Soft PVC complete with self-grip steel core

### Ej-Seal Section
Suits 1-2mm Panel Thickness

**RUMS1723/EJ**
- wgt. 13.00kg
- Black
- 50 Metre roll
- Seal: EPDM sponge rubber
- Carrier: soft PVC complete with self-grip steel core
**Ej-Seal Section**

Suits 1-3mm Panel Thickness

---

**RUMS1959/EJ**

- wt. 10.00kg
- Black
- 50 Metre roll
- Seal: EPDM sponge rubber
- Carrier: soft PVC complete with self-grip steel core

---

**RUMS2185/EJ**

- wt. 12.00kg
- Black
- 50 Metre roll
- Seal: EPDM sponge rubber
- Carrier: soft PVC complete with self-grip steel core

---

**RUMS2208/EJ**

- wt. 12.00kg
- Black
- 50 Metre roll
- Seal: EPDM sponge rubber
- Carrier: soft PVC complete with self-grip steel core

---

**RUMS2369/EJ**

- wt. 12.00kg
- Black
- 50 Metre roll
- Seal: EPDM sponge rubber
- Carrier: soft PVC complete with self-grip steel core

---

**RUMS2370/EJ**

- wt. 10.00kg
- Black
- 50 Metre roll
- Seal: EPDM sponge rubber
- Carrier: soft PVC complete with self-grip steel core
**Leaf Seal Section**  
Suits 1-3mm Panel thickness

**RUMS0763/LS**  
wgt. 15.00kg  
- Black  
- 50 Metre roll  
- Seal: EPDM sponge rubber  
- Carrier: soft EPDM complete with self-grip steel core

**Leaf Seal Section**  
Suits 1-3mm Panel Thickness

**RUMS2006/LS**  
wgt. 14.00kg  
- Black  
- 50 Metre roll  
- Seal: EPDM sponge rubber  
- Carrier: soft EPDM complete with self-grip steel core

**Leaf Seal Section**  
Suits 1-3mm Panel Thickness

**RUMS2009/LS**  
wgt. 12.00kg  
- Black  
- 50 Metre roll  
- Seal: EPDM sponge rubber  
- Carrier: soft EPDM complete with self-grip steel core

**Top Seal Section**  
Self-Adhesive

**RUMS0112/TS**  
wgt. 4.00kg  
- 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)

**Top Seal Section**  
Suits 2-5mm Panel Thickness

**RUMS2193/TS**  
wgt. 7.50kg  
- Black  
- 50 Metre roll  
- Seal: EPDM sponge rubber  
- Carrier: soft EPDM complete with self-grip steel core
SIDEGUARD SYSTEMS

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 three 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
- Optional ‘SAFETY YELLOW’ painted rail
- 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, overlayed 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.

<table>
<thead>
<tr>
<th>Model</th>
<th>Weight (kg)</th>
<th>Overall Length (mm)</th>
<th>Mounting Slots</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASGK990/560AAT/73R</td>
<td>3.25</td>
<td>595</td>
<td>3</td>
</tr>
<tr>
<td>ASGK990/700AAT/73R</td>
<td>3.95</td>
<td>735</td>
<td>7</td>
</tr>
<tr>
<td>ASGK990/760AAT/73R</td>
<td>4.05</td>
<td>795</td>
<td>7</td>
</tr>
</tbody>
</table>

- Armour-Tech 600 (AT600) surface coating
- 600 Hours+ salt spray tested
- Complete with pin & wire assembly
- Supplied individually
- Supplied pre-assembled
- Mounting slots: L30 x W8.8mm
- High tensile bolts required for mounting - fitting instructions available upon request

### Lateral Protection System

#### ASGK990 SERIES

**Chassis Mounted Sideguard Support Beam**

<table>
<thead>
<tr>
<th>Model</th>
<th>Weight (kg)</th>
<th>Overall Length (mm)</th>
<th>Mounting Slots</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASGK990/900AAT/73R</td>
<td>5.16</td>
<td>900</td>
<td>7</td>
</tr>
</tbody>
</table>

- 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 Ø10.5mm mounting points
- High tensile bolts required for assembly / mounting
- Sideguard leg not included
Lateral Protection System
ASGK990 SERIES
Aluminium Rail

- **ASGK990/3000AR2/73R**
  - 3000mm
  - wgt. 3.64kg
- **ASGK990/3200AR2/73R**
  - 3200mm
  - wgt. 3.88kg
- **ASGK990/3400AR2/73R**
  - 3400mm
  - wgt. 4.13kg
- **ASGK990/4000AR2/73R**
  - 4000mm
  - wgt. 4.86kg
- **ASGK990/5000AR2/73R**
  - 5000mm
  - wgt. 6.07kg
- **ASGK990/6000AR2/73R**
  - 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

- **ASGK990/5000AR2/73R/Y**
  - 5000mm
  - wgt. 6.12kg

- Painted ‘safety yellow’ for increased visibility
- Single bolt fixing
- Full fitting instructions available upon request
- Compliant with Regulation 73 (E11 73R-011005), when used in conjunction with **ASGK990 SERIES** components
- Other lengths available upon request

**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

<table>
<thead>
<tr>
<th>Maximum Leg Length (mm)</th>
<th>A Front Overhang (mm)</th>
<th>B Leg Centres (mm)</th>
<th>C Rear Overhang (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>595</td>
<td>800</td>
<td>2000</td>
<td>250</td>
</tr>
<tr>
<td></td>
<td>800</td>
<td>3000</td>
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<tr>
<td>735</td>
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<td>250</td>
</tr>
<tr>
<td></td>
<td>800</td>
<td>3000</td>
<td>200</td>
</tr>
<tr>
<td>795</td>
<td>800</td>
<td>3000</td>
<td>200</td>
</tr>
</tbody>
</table>

- Class **N2** - 3.5T to 12T DGVW
- Class **N3** - Over 12T DGVW
- Class **O3** - 3.5T to 10T TAW
- Class **O4** - Over 10T TAW

DGVW = 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**
- wgt. 0.55kg
- 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 M8 x 24mm Rail mounting bolts, nyloc nuts & washers
  - 4 x 4.8mm x 12mm Guard attachment rivets

**Lateral Protection System**

### ASGK990 SERIES

**Double Pedestrian End Rail Kit**

**ASGK500/2/DPGK**
- wgt. 2.11kg
- 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 M8 x 24mm Rail mounting bolts, nyloc nuts & washers
  - 8 x 4.8mm x 12mm Guard attachment rivets

**Lateral Protection System**

### ASGK990 SERIES

**Triple / 'Extended' Pedestrian End Rail Kit**

**ASGK1000/3/TPGK**
- wgt. 4.05kg
- Kit contains:
  - 2 x 1000mm 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
  - 12 x M8 x 24mm Rail mounting bolts, nyloc nuts & washers
  - 12 x 4.8mm x 12mm Guard attachment rivets

**Lateral Protection System**

### ASGK990 SERIES

**Spares**

**ASGK990/PWA/AT**
- Pin & wire assembly
- wgt. 0.17kg
- Suits **ASGK990** Hinged legs

**ASGK100030/EC**
- Rail end cap
- wgt. 0.0013kg
- Suits **ASGK990** Aluminium rail

**ASGK1188/TPGC**
- Pedestrian guard cover
- wgt. 0.0079kg
- Suits: nearside bottom / offside top

**ASGK1189/BPGC**
- Pedestrian guard cover
- wgt. 0.0079kg
- Suits: nearside top / offside bottom

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Head Office: 01707 371161    Midlands Division: 0121 5200100    sales@cbf.uk.com    cbf.uk.com
Sliding Door Gear

- Suitable for doors weighing up to 36kg
- Supplied as complete sets
- Measure the door width and see below for part number identification

All door gears are supplied with:

- Top assembly and cover strip (not shown)
- 2 x DGR1203 Spring-loaded wheel guides
- 1 x Bottom track

Spare parts:
DGR1203 Spring-loaded wheel guide
DGR1212 Bottom track (length required)

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Door Width (mm)</th>
<th>Bottom Track Length (mm)</th>
<th>DGR1203 Wheel Guides</th>
<th>Weight per set (kgs)</th>
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</thead>
<tbody>
<tr>
<td>DGR80058</td>
<td>610</td>
<td>1220</td>
<td>2</td>
<td>2.35</td>
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<tr>
<td>DGR80026</td>
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<td>2.49</td>
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<tr>
<td>DGR80027</td>
<td>762</td>
<td>1520</td>
<td>2</td>
<td>2.64</td>
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<td>DGR80028</td>
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<td>1670</td>
<td>2</td>
<td>2.78</td>
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<td>DGR80029</td>
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<td>DGR80030</td>
<td>990</td>
<td>1980</td>
<td>2</td>
<td>3.06</td>
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<tr>
<td>DGR80031</td>
<td>1067</td>
<td>2130</td>
<td>2</td>
<td>3.19</td>
</tr>
</tbody>
</table>

Tubular Track & Door Hangers

DGR200/10
wgt. 5.10kg

- Tubular track
- L3000 x H41 x W38mm
- Zinc plated

DGR227
wgt. 0.32kg

- Sliding 4-wheel hanger
- Zinc plated
- Maximum door weight: 115kg
- Suits: DGR200/10 track

Curtain Track & Steel Wheels

DGR35/3000
wgt. 5.10kg

L3000 x H44 x W35 x T2.3mm

DGR35/4000
wgt. 6.80kg

- Curtain track
- Galvanized

DGR682
wgt. 0.23kg

- Steel wheels
- Zinc plated
- Suits: DGR35/3000 & DGR35/4000 track
SLIDING DOOR HARDWARE

PVC Curtain Strip
Transparent

DGR/CURT200/50CL
wgt. 22.30kg
- 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

DGR/CURT/TRK984/SS
wgt. 0.87kg
- L984 x W29 x D37mm
- Ø6mm Fixing holes
- Heavy gauge stainless steel track - 1.2mm thick
- 430G Stainless steel

DGR/CURT/HKSS
wgt. 0.06kg
- Hook on clamp plates
- L200mm
- 2 Clamp plates per kit
- Stainless steel PVC curtain hook on clamp plates
- 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
STEEL SECTION

Bearer Section
Galvanized & Self Colour

ASTL12
wgt. 9.25kg
- L2550 x H100 x W50 x T2.2mm
- Galvanized mild steel

ASTL42
wgt. 18.00kg
- L5000 x H100 x W50 x T2.2mm
- Self colour mild steel

Treadplate
Self Colour - Mild Steel

ASTL1002
wgt. 2.60kg
- L3048 x W35 x D6.5mm (overall)
- 4mm Mild steel
- 3 Row profile

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)
**Pull-Out Access Step - Galvanized**

**2 Rung**

**ABUS871/BRGV**

- wgt. 6.00kg
- 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: 136kgs (rated on the bottom rung)

**Pull-Out Access Step - Galvanized**

**3 Rung**

**ABUS873/BRGV**

- wgt. 7.20kg
- All steel construction
- Underbody fixing by welding to the chassis
- Front brace fixing holes - 4 x Ø10.5mm
- 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: 136kgs (rated on the bottom rung)

**Pull-Out Access Step with Platform - Galvanized**

**2 Rung**

**ABUS876/BRGV**

- wgt. 11.20kg
- Mounting frame hole centres: L230 x W390mm
- Platform: L250 x W285mm
- All steel construction
- Four fixing points: Ø10.5mm
- 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: 136kgs (rated on the bottom rung)
### Pull-Out Access Step with Platform - Galvanized

**3 Rung**

**ABUS879/BRGV**
- wgt. 16.00kg
- Mounting frame hole centres: L330 x W390mm
- Platform: L250 x W285mm
- All steel construction
- Four fixing points: ø10.5mm
- 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: 136kgs (rated on the bottom rung)

### Pull-Out Access Step with Platform - Yellow Painted

**2 Rung**

**ABUS876/BRYEL**
- wgt. 11.20kg
- Mounting frame hole centres: L230 x W390mm
- Platform: L250 x W285mm
- All steel construction
- Four fixing points: ø10.5mm
- Fully galvanized to ISO 1461 with a RAL 1023 epoxy top coated, 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: 136kgs (rated on the bottom rung)

### Underbody Access Step with Platform - Yellow Painted

**3 Rung**

**ABUS879/BRYEL**
- wgt. 16.00kg
- Mounting frame hole centres: L330 x W390mm
- Platform: L250 x W285mm
- All steel construction
- Four fixing points: ø10.5mm
- Fully galvanized to ISO 1461 with a RAL 1023 epoxy top coated, 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: 136kgs (rated on the bottom rung)
**Pull-Out Access Step, Multi-Hole Fixing - Galvanized**

### 2 Rung

**ABUS971/MFGV**

- **wgt:** 9.20kg
- **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:** 136kgs (rated on the bottom rung)

### 3 Rung

**ABUS973/MFGV**

- **wgt:** 10.20kg
- **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:** 136kgs (rated on the bottom rung)

---

**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**
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, 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.

**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

**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

**ABUS2600B/GV**

wgt. 30.00kg

- Frame: L1000 x W605mm
- Tread: D240 x W505mm (bottom tread W455mm)
- 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: 340 to 440mm *(A)*
- Fully galvanized to ISO 1461
- Safe working load: 150kgs (rated on the bottom rung)
**Sliding Ladder Step - Galvanized**

**ABUS3600B/GV**  
wgt. 35.00kg

- Frame: L1210 x W605mm  
- Tread: D240 x W505mm (bottom tread W455mm)  
- 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: 500 to 600mm *(A)*  
- Fully galvanized to ISO 1461  
- Safe working load: 150kgs (rated on the bottom rung)

---

**Sliding Ladder step - Galvanized**

**ABUS4600B/GV**  
wgt. 60.00kg

- Frame: L1420 x W605mm  
- Tread: D240 x W505mm (bottom tread W455mm)  
- 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: 150kgs (rated on the bottom rung)

---

**Sliding Ladder Step - Galvanized**

**ABUS4450/GV**  
wgt. 46.00kg

- 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: 150kgs (rated on the bottom rung)
STEPS

Sliding Ladder Step - Galvanized
4 Rung - Telescopic

ABUSNR4356/GV

wgt. 25.00kg

- Frame: L630 x W510mm
- Tread: D240 x W630mm
- All steel construction
- Unique compact design
- 4 Fixing points
- Self-Cleaning patented honeycomb tread *(D)
- Fully galvanized to ISO 1461
- Safe working load: 135kgs (rated on the bottom rung)
- 3 Rung version available upon request

Cassette Step - Galvanized

ABUSNR1720/GV

wgt. 15.00kg

- 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

Pivotal Step - Galvanized

ABUSNR1780/GV

wgt. 8.50kg

- 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
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.

- All steel construction
- Easy-Glide rollers to aid operation *(E)*
- Gravity safety catch *(C)*
- 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: 150kgs (rated on the bottom rung)
**Folding Step - Galvanized**

2 Rung

<table>
<thead>
<tr>
<th>Model</th>
<th>Rungs</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABUS2219</td>
<td>2</td>
<td>14.60</td>
</tr>
</tbody>
</table>

- 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

---

**Fully Detachable Load-Step - Aluminium**

4 & 5 Rung

<table>
<thead>
<tr>
<th>Model</th>
<th>Rungs</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABUSH2LL04/1175AL</td>
<td>4</td>
<td>7.00</td>
</tr>
<tr>
<td>ABUSH2LL05/1400AL</td>
<td>5</td>
<td>8.00</td>
</tr>
</tbody>
</table>

- Working height: 950 to 1175mm
- 4 Rung wgt. 7.00kg
- Overcentre folding action for secure storage
- Under chassis fixing - 4 x M10 bolts (not supplied)
- Honeycomb self cleaning treads
- Under chassis fixing - 4 x M10 bolts (not supplied)
- Galvanized to ISO 1461
- Safe working load: 140kg

---

**Steps**

- ABUS2219 2 Rung
- ABUSH2LL04/1175AL 4 Rung
- ABUSH2LL05/1400AL 5 Rung

---

**Folding Step - Galvanized**

2 Rung

---

**Fully Detachable Load-Step - Aluminium**

4 & 5 Rung

---

**Steps**

- ABUS2219 2 Rung
- ABUSH2LL04/1175AL 4 Rung
- ABUSH2LL05/1400AL 5 Rung

---

**Folding Step - Galvanized**

2 Rung

---

**Fully Detachable Load-Step - Aluminium**

4 & 5 Rung

---

**Steps**

- ABUS2219 2 Rung
- ABUSH2LL04/1175AL 4 Rung
- ABUSH2LL05/1400AL 5 Rung

---
ABUS882/BRGV
Single rung
wgt. 8.70kg
- L400 x W215mm
- Bolts directly onto underside of tail lift framework
- 3 x Ø11mm Fixing points
- Galvanized to ISO 1461

Stirrup Steps - Galvanized
1 & 2 Rung

ABUS2353
Single rung
wgt. 1.67kg
- W245 x D305mm

ABUS2355
2 Rung
wgt. 2.60kg
- W245 x D505mm
- Robust construction
- 2 x Ø11mm Fixing points
- Galvanized to ISO 1461

Folding Access Step - Zinc Plated
Heavy Duty

ABUS2295/ZP
wgt. 1.43kg
- 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
**ABUS2288/CP**  
wgt. 1.50kg  
- Mounting plate: H160 x W152mm  
- 4 x Ø8.5mm Fixing holes  
- Wide tread platform  
- Investment cast  
- Safe working load: 150kg

**Folding Access Step - CP350 Surface Coated**  
Heavy Duty

**Folding Access Step - Zinc Plated**  
Medium Duty

**ABUS2248/ZP**  
wgt. 0.51kg  
- Mounting plate: H120 x W47mm  
- 2 x Ø9.5mm Countersunk fixing holes  
- Stainless steel spring  
- Not load tested

**Recessed Foot Step**  
Aluminium

**ABUS1029**  
wgt. 0.53kg  
- 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

**Recessed Foot Step**  
Black Nylon

**ABUS1029/PL**  
wgt. 0.38kg  
- 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
Adhesive Strip
0485 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

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Width x Depth (mm)</th>
<th>Roll Length (metres)</th>
<th>Colour</th>
<th>Weight per Roll (kgs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SEAL0485/112</td>
<td>12 x 1.0</td>
<td>20</td>
<td></td>
<td>0.32</td>
</tr>
<tr>
<td>SEAL0485/1904</td>
<td>19 x 0.4</td>
<td>30</td>
<td></td>
<td>0.36</td>
</tr>
<tr>
<td>SEAL0485/119</td>
<td>19 x 1.0</td>
<td>20</td>
<td></td>
<td>0.46</td>
</tr>
<tr>
<td>SEAL0485/119/50</td>
<td>19 x 1.0</td>
<td>50</td>
<td></td>
<td>1.16</td>
</tr>
<tr>
<td>SEAL0485/219</td>
<td>19 x 2.0</td>
<td>10</td>
<td></td>
<td>0.43</td>
</tr>
<tr>
<td>SEAL0485/2504</td>
<td>25 x 0.4</td>
<td>30</td>
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<td>0.50</td>
</tr>
<tr>
<td>SEAL0485/125</td>
<td>25 x 1.0</td>
<td>20</td>
<td></td>
<td>0.57</td>
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<tr>
<td>SEAL0485/225</td>
<td>25 x 2.0</td>
<td>10</td>
<td></td>
<td>0.53</td>
</tr>
</tbody>
</table>

Double Sided Tape - Premium Range
5164 PVC Foam
General Purpose Double-Sided Foam Bonding Tape

Product Benefits
- Maximum recommended weight loading of 7g/cm²
- 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. Recommended cleaning agent is Propan-2-ol (IPA).
- 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

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Width x Depth (mm)</th>
<th>Roll Length (metres)</th>
<th>Colour</th>
<th>Weight per Roll (kgs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SEAL5164/1908</td>
<td>19 x 0.8</td>
<td>60</td>
<td>White</td>
<td>0.49</td>
</tr>
<tr>
<td>SEAL5164/1915</td>
<td>19 x 1.5</td>
<td>40</td>
<td></td>
<td>0.48</td>
</tr>
<tr>
<td>SEAL5164/2503</td>
<td>25 x 3.0</td>
<td>25</td>
<td></td>
<td>0.63</td>
</tr>
<tr>
<td>SEAL5164/2508</td>
<td>25 x 0.8</td>
<td>60</td>
<td></td>
<td>0.62</td>
</tr>
<tr>
<td>SEAL5164/2515</td>
<td>25 x 1.5</td>
<td>40</td>
<td></td>
<td>0.67</td>
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<tr>
<td>SEAL5164/3808</td>
<td>38 x 0.8</td>
<td>60</td>
<td></td>
<td>1.00</td>
</tr>
</tbody>
</table>
Double Sided Tape - Economy Range
321 Polyurethane
Medium Density Polyurethane Double Sided Foam Tape

Product Benefits
- Coated on both sides with pressure sensitive acrylic adhesive
- Suitable for indoor and outdoor environments
- Poly coated release liner
- Application temperature: +10°C to +80°C
- No known hazards associated with this product

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. Recommended cleaning agent is Propan-2-ol (IPA).

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Width x Depth (mm)</th>
<th>Roll Length (metres)</th>
<th>Colour</th>
<th>Weight per Roll (kgs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SEAL321/1920DS</td>
<td>19 x 2.0</td>
<td>40</td>
<td>White</td>
<td>0.64</td>
</tr>
<tr>
<td>SEAL321/2520DS</td>
<td>25 x 2.0</td>
<td></td>
<td></td>
<td>0.90</td>
</tr>
</tbody>
</table>

Single Sided Tape
3507 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
- Clean edge finish

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. Recommended cleaning agent is Propan-2-ol (IPA).
  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.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Width x Depth (mm)</th>
<th>Roll Length (metres)</th>
<th>Colour</th>
<th>Weight per Roll (kgs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SEAL3507/1915</td>
<td>19 x 1.5</td>
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<td>0.45</td>
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<tr>
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<td>0.45</td>
</tr>
<tr>
<td>SEAL3507/2515</td>
<td>25 x 1.5</td>
<td>50</td>
<td>Grey</td>
<td>0.63</td>
</tr>
<tr>
<td>SEAL3507/2503</td>
<td>25 x 3.0</td>
<td>25</td>
<td></td>
<td>0.52</td>
</tr>
</tbody>
</table>
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.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Grade</th>
<th>Width (mm)</th>
<th>Colour</th>
<th>Roll Length (metres)</th>
<th>Weight per Roll (kgs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SEAL3402/25C</td>
<td>Coarse</td>
<td>25</td>
<td>Black</td>
<td>18.3</td>
<td>0.38</td>
</tr>
<tr>
<td>SEAL3402/50C</td>
<td>Coarse</td>
<td>50</td>
<td>Black</td>
<td>18.3</td>
<td>0.76</td>
</tr>
<tr>
<td>SEAL3402/100C</td>
<td>Coarse</td>
<td>100</td>
<td>Black</td>
<td>18.3</td>
<td>1.52</td>
</tr>
<tr>
<td>SEAL3402/150C</td>
<td>Coarse</td>
<td>150</td>
<td>Black</td>
<td>18.3</td>
<td>2.28</td>
</tr>
<tr>
<td>SEAL3402/25XC</td>
<td>Extra Coarse</td>
<td>25</td>
<td>Black</td>
<td>18.3</td>
<td>0.60</td>
</tr>
<tr>
<td>SEAL3402/50XC</td>
<td>Extra Coarse</td>
<td>50</td>
<td>Black</td>
<td>18.3</td>
<td>1.20</td>
</tr>
<tr>
<td>SEAL3402/100XC</td>
<td>Extra Coarse</td>
<td>100</td>
<td>Black</td>
<td>18.3</td>
<td>2.40</td>
</tr>
<tr>
<td>SEAL3402/150XC</td>
<td>Extra Coarse</td>
<td>150</td>
<td>Black</td>
<td>18.3</td>
<td>3.60</td>
</tr>
<tr>
<td>SEAL3402/50C/YEL</td>
<td>Coarse</td>
<td>50</td>
<td>Yellow</td>
<td>18.3</td>
<td>0.76</td>
</tr>
<tr>
<td>SEAL3402/25C/BY</td>
<td>Coarse</td>
<td>25</td>
<td>Black/Yellow</td>
<td>18.3</td>
<td>0.38</td>
</tr>
<tr>
<td>SEAL3402/50C/BY</td>
<td>Coarse</td>
<td>50</td>
<td>Black/Yellow</td>
<td>18.3</td>
<td>0.76</td>
</tr>
</tbody>
</table>

- 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
- 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 surface

**Grip-Tape Edge Fix**
SEAL3502/140EF

- 140ml
- 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 an aggressive rubber/resin solvent based adhesive system  
*For Interior Use only*

**Applications**  
- 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

**Product Benefits**  
- 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

**Duct Cloth Tape**

Waterproof, Multi-Purpose Cloth Tape  
*For Interior and Exterior Use*

**Applications**  
- 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

**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**

<table>
<thead>
<tr>
<th>Code</th>
<th>Weight (kg)</th>
<th>Drilled For</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATIP113/20</td>
<td>0.39</td>
<td>ø20mm bar</td>
</tr>
<tr>
<td>ATIP113/25</td>
<td>0.37</td>
<td>ø25mm bar</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Weight (kg)</th>
<th>Drilled For</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATIP292/20</td>
<td>0.38</td>
<td>ø20mm bar</td>
</tr>
<tr>
<td>ATIP292/25</td>
<td>0.35</td>
<td>ø25mm bar</td>
</tr>
</tbody>
</table>

**Tailboard Locking Bar Tab (Straight) - Weld-on**

**Self Colour**

<table>
<thead>
<tr>
<th>Code</th>
<th>Weight (kg)</th>
<th>Drilled For</th>
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</thead>
<tbody>
<tr>
<td>ATIP190/20</td>
<td>0.36</td>
<td>ø20mm bar</td>
</tr>
<tr>
<td>ATIP190/25</td>
<td>0.31</td>
<td>ø25mm bar</td>
</tr>
<tr>
<td>ATIP190/25ZP</td>
<td>0.31</td>
<td>ø25mm bar</td>
</tr>
</tbody>
</table>

**Tailboard Locking Bar Bracket - Bolt-on**

**Self Colour & Zinc Plated**

<table>
<thead>
<tr>
<th>Code</th>
<th>Weight (kg)</th>
<th>Drilled For</th>
</tr>
</thead>
<tbody>
<tr>
<td>AEYE320/20</td>
<td>0.27</td>
<td>ø20mm bar</td>
</tr>
<tr>
<td>AEYE320/25</td>
<td>0.22</td>
<td>ø25mm bar</td>
</tr>
</tbody>
</table>

**Tailboard Locking Bar Bracket - Weld-on**

**Self Colour**

<table>
<thead>
<tr>
<th>Code</th>
<th>Weight (kg)</th>
<th>Drilled For</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATIP188/20</td>
<td>0.28</td>
<td>ø20mm bar</td>
</tr>
<tr>
<td>ATIP188/25</td>
<td>0.22</td>
<td>ø25mm bar</td>
</tr>
</tbody>
</table>
**TIPPER FITTINGS**

**Tailboard Lug - Weld-on**

Self Colour

**ATIP308/20**

wgt. 0.36kg

A = 45mm  B = ø20mm  C = 93mm  D = 31mm

- Suits ø20mm forket

**ATIP308/25**

wgt. 0.55kg

A = 55mm  B = ø25mm  C = 90mm  D = 38mm

- Suits ø25mm forket

**Tailboard Forket - Weld-on**

Self Colour

**ATIP309/20**

wgt. 0.32kg

A = 90mm  B = 27mm

- Jaws for ø20mm bar

**ATIP309/25**

wgt. 0.38kg

A = 110mm  B = 33mm

- Jaws for ø25mm bar

**Tailboard Forket - Weld-on**

Self Colour

**ATIP331**

wgt. 0.31kg

- Jaws for ø20mm bar

**Tailboard Slotted Lug - Weld-on**

Self Colour

**AMSC54/08**

wgt. 0.05kg

- Slot: 18 x 5mm
- Drop forged steel
- Slotted to accept **ACOT10A/ZP & ACOT13/ZP** cotter pins - see page 45

**Tailboard Slotted Lug - Bolt-on**

Zinc Plated

**AMSC66/40**

wgt. 0.09kg

- Slot: 18 x 5mm
- Supplied complete with nyloc nut
- Slotted to accept **ACOT10A/ZP & ACOT13/ZP** cotter pins - see page 45

---

**STRAIGHT & SHORT HINGES**

164

**FORGED STEEL HINGES**

165

**GUDGEONS**

166-167
**Tipper Handle Catch**
Zinc Plated

- **ATIP207/HZP**
wgt. 0.18kg
  - Designed to be used with Ø25mm bar
  - Suitable for use with **ATIP208/S** staple & nuts

**Fastener for Locking Bar Handle**
Zinc Plated

- **ATIP208/S**
wgt. 0.14kg
  - Staple & nuts
- **ATIP38**
wgt. 0.08kg
  - Link only

**Tailboard Handle Retaining Catch & Pin**
Self Colour / Zinc Plated

- **ATIP254/C**
wgt. 0.17kg
  - Catch only
  - Suits Ø25mm handle
  - Self colour
- **ATIP254/P**
wgt. 0.11kg
  - Pin & chain
  - Zinc plated

**Eyebolt**
Zinc Plated

- **AEYE314**
wgt. 0.12kg
  - Drilled for Ø20mm bar
  - Shank: M12
  - Complete with nyloc nut

**Staple**
Zinc Plated

- **AMSC50/08**
wgt. 0.27kg
  - Drop forged steel
Toolboxes
Plastic
CABX Range

All Jonesco plastic toolboxes are suited for vehicle fitment and can be incorporated within the side-guard, in accordance with UNECE Regulation 73.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Length (mm)</th>
<th>Height (mm)</th>
<th>Depth (mm)</th>
<th>Fixings</th>
<th>No. of Handles</th>
<th>Litre Capacity (maximum)</th>
<th>Recommended Load Weight* (maximum)</th>
<th>Weight (kgs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CABX45</td>
<td>450</td>
<td>380</td>
<td>400</td>
<td>Integral</td>
<td>1</td>
<td>44</td>
<td>50kg</td>
<td>4.50</td>
</tr>
<tr>
<td>CABX52</td>
<td>520</td>
<td>360</td>
<td>360</td>
<td>Integral</td>
<td>1</td>
<td>43</td>
<td>50kg</td>
<td>5.00</td>
</tr>
<tr>
<td>CABX58</td>
<td>580</td>
<td>400</td>
<td>450</td>
<td>Integral</td>
<td>1</td>
<td>70</td>
<td>50kg</td>
<td>5.50</td>
</tr>
<tr>
<td>CABX62A</td>
<td>620</td>
<td>360</td>
<td>400</td>
<td>Integral</td>
<td>1</td>
<td>55</td>
<td>50kg</td>
<td>6.00</td>
</tr>
<tr>
<td>CABX62</td>
<td>620</td>
<td>360</td>
<td>610</td>
<td>CABX/KIT26</td>
<td>1</td>
<td>92</td>
<td>75kg</td>
<td>6.50</td>
</tr>
<tr>
<td>CABX65</td>
<td>650</td>
<td>500</td>
<td>480</td>
<td>CABX/KIT22</td>
<td>1</td>
<td>110</td>
<td>75kg</td>
<td>8.00</td>
</tr>
<tr>
<td>CABX80A</td>
<td>800</td>
<td>500</td>
<td>360</td>
<td>Integral</td>
<td>1</td>
<td>96</td>
<td>75kg</td>
<td>8.50</td>
</tr>
<tr>
<td>CABX80</td>
<td>800</td>
<td>500</td>
<td>480</td>
<td>CABX/KIT20</td>
<td>1</td>
<td>138</td>
<td>75kg</td>
<td>10.00</td>
</tr>
<tr>
<td>CABX100</td>
<td>1000</td>
<td>500</td>
<td>480</td>
<td>CABX/KIT25</td>
<td>1</td>
<td>174</td>
<td>75kg</td>
<td>12.00</td>
</tr>
<tr>
<td>CABX120</td>
<td>1200</td>
<td>500</td>
<td>480</td>
<td>CABX/KIT29</td>
<td>2</td>
<td>195</td>
<td>75kg</td>
<td>15.00</td>
</tr>
</tbody>
</table>

- **CABX45, 52, 58, 62A & 80A** have integral fixings for fitment directly to the floor of the vehicle.
- **CABX62, 65, 80, 100 & 120** are best fitted using the relevant fitting kits, which ensures heavy loads do not cause damage to the box.
- Other colours available to special order (subject to minimum order quantity).
- 3-Point locking mechanism.
- Handle dust cover.
- Fully recyclable, chemical resistant, UV stabilised PE.
- May be incorporated within the sideguard in accordance with UNECE Regulation 73.
- Toolbox door/lid chains available - see page 307.
- Toolbox fitting kits available - see page 303.
- Door/lid gas struts to aid operation are available - please contact us for more information.
- Monogramming service available - subject to minimum order quantity.
- *The recommended load weight is only a guide and has been calculated using the recommended fixings/fitting kit.

Integral Fixing Dimensions

<table>
<thead>
<tr>
<th>Part No.</th>
<th>A (mm)</th>
<th>B (mm)</th>
<th>C (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CABX45</td>
<td>400</td>
<td>120</td>
<td>230</td>
</tr>
<tr>
<td>CABX52</td>
<td>470</td>
<td>120</td>
<td>190</td>
</tr>
<tr>
<td>CABX58</td>
<td>530</td>
<td>120</td>
<td>265</td>
</tr>
<tr>
<td>CABX62A</td>
<td>570</td>
<td>120</td>
<td>230</td>
</tr>
<tr>
<td>CABX80A</td>
<td>740</td>
<td>120</td>
<td>205</td>
</tr>
</tbody>
</table>

Replacement Handle

**CABX/JBXLOCK**

wgt. 0.22kg

- Suits all Jonesco CABX plastic toolboxes.
- Supplied with dust cover.
- Other spares available upon request.
Toolboxes

Plastic

TIGA-BOX Range

All Jonesco plastic toolboxes are suited for vehicle fitment and can be incorporated within the side-guard, in accordance with UNECE Regulation 73.

- Lid sits in a recess to minimize the potential for water ingress
- Additional protection through automotive grade rubber seal
- Handle flips up into horizontal position and allow for easy unlocking even with gloves on
- Handle flips down into a safety recess preventing them from rotating open
- Lid opens 180°
- No protruding parts
- Other colours available to special order (subject to minimum order quantity)
- Handles with integrated dust cover
- All logos are laser engraved as standard
- Fully recyclable, chemical resistant, UV stabilised PE
- May be incorporated within the sideguard in accordance with UNECE Regulation 73
- Toolbox door/lid chains available - see page 307
- Toolbox fittings kits available - see below
- Door/lid gas struts to aid operation are available - please contact us for more information
- Monogramming service available - subject to minimum order quantity

Toolbox Fitting Kits

Suit: CABX & TIGA-BOX Ranges

- 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

<table>
<thead>
<tr>
<th>Fitting Kit</th>
<th>Toolbox Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>CABX/KIT26</td>
<td>CABX62</td>
</tr>
<tr>
<td>CABX/KIT22</td>
<td>CABX65</td>
</tr>
<tr>
<td>CABX/KIT20</td>
<td>CABX80</td>
</tr>
<tr>
<td>CABX/KIT25</td>
<td>CABX100</td>
</tr>
<tr>
<td>CABX/KIT29</td>
<td>CABX120</td>
</tr>
<tr>
<td>CABX/KIT35</td>
<td>CABJBZ700</td>
</tr>
<tr>
<td>CABX/KIT36</td>
<td>CABJBZ900</td>
</tr>
</tbody>
</table>
**Toolboxes**

**Plastic**

**WELVET Range**

All Daken plastic toolboxes are suited for vehicle fitment and can be incorporated within the side-guard, in accordance with UNECE Regulation 73.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Length (mm)</th>
<th>Height (mm)</th>
<th>Depth (mm)</th>
<th>Fitting Kit</th>
<th>No. of Handles</th>
<th>Litre Capacity (maximum)</th>
<th>Recommended Load Weight* (maximum)</th>
<th>Weight (kgs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CABV81000/410BP</td>
<td>410</td>
<td>330</td>
<td>340</td>
<td>CABV88410/PR</td>
<td>1</td>
<td>29.0</td>
<td>40kg</td>
<td>4.0</td>
</tr>
<tr>
<td>CABV81002/500BP</td>
<td>500</td>
<td>350</td>
<td>400</td>
<td>CABV88410/PR</td>
<td>1</td>
<td>39.0</td>
<td>50kg</td>
<td>6.0</td>
</tr>
<tr>
<td>CABV81004/600BP</td>
<td>600</td>
<td>400</td>
<td>500</td>
<td>CABV88420/PR</td>
<td>2</td>
<td>77.5</td>
<td>60kg</td>
<td>9.0</td>
</tr>
<tr>
<td>CABV81006/800BP</td>
<td>800</td>
<td>500</td>
<td>500</td>
<td>CABV88420/PR</td>
<td>2</td>
<td>119.0</td>
<td>65kg</td>
<td>12.0</td>
</tr>
<tr>
<td>CABV81008/1000BP</td>
<td>1000</td>
<td>500</td>
<td>500</td>
<td>CABV88420/PR</td>
<td>3</td>
<td>154.0</td>
<td>70kg</td>
<td>14.0</td>
</tr>
<tr>
<td>CABV81009/1250BP</td>
<td>1250</td>
<td>520</td>
<td>500</td>
<td>CABV88420/PR</td>
<td>3</td>
<td>190.0</td>
<td>75kg</td>
<td>15.5</td>
</tr>
</tbody>
</table>

- All toolboxes supplied with patented Europlex locking ‘T’ handles complete with key cover
- Injection moulded polypropylene
- Fully sealed
- Extremely robust and secure
- May be incorporated within the sideguard in accordance with UNECE Regulation 73
- Optional mounting/fitting kits available - see below
- Toolbox door/lid chains available - see page 307
- Door/lid gas struts to aid operation are available - please contact us for more information
- *The recommended load weight is only a guide and has been calculated using the recommended fixings/fitting kit

**Horizontal Fitting Kits (Recommended)**

<table>
<thead>
<tr>
<th>CABV88410/PR</th>
<th>Small fitting kit</th>
<th>wgt. 2.10kg</th>
<th>L337 x W153 x T2mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>CABV88420/PR</td>
<td>Large fitting kit</td>
<td>wgt. 4.00kg</td>
<td>L413 x W187 x T3mm</td>
</tr>
</tbody>
</table>

- Kit consists of: 2 x epoxy powder coated brackets & geomet coated fitting kit
- See table above for compatible toolboxes

**Replacement Handle**

| CABV9945/BP | wgt. 0.28kg |

- Suits all CABV plastic toolboxes
- Supplied with key cover
- Steel version available upon request
**Toolboxes**
304G Stainless Steel
**CABV35 Range**

All Bawer CABV35 toolboxes are suited for vehicle fitment and can be incorporated within the side-guard, in accordance with UNECE Regulation 73.

![Toolboxes Image]

### Fully sealed enclosure
- Robust design / robotically formed and welded
- 1.5mm 304G stainless steel
- Stainless steel ‘T’ locking handles
- Fully buffed to a matt surface finish
- Optional mounting/fitting kits available - see below
- Toolbox door/lid chains available - see page 307
- Door/lid gas struts to aid operation are available - please contact us for more information

#### Horizontal Fitting Kits (Recommended)

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Length (mm)</th>
<th>Height (mm)</th>
<th>Depth (mm)</th>
<th>Fitting Kit</th>
<th>No. of Handles</th>
<th>Weight (kgs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CABV3515/500SS</td>
<td>500</td>
<td>350</td>
<td>400</td>
<td>CABV9525/PR</td>
<td>1</td>
<td>12.21</td>
</tr>
<tr>
<td>CABV3520/600SS</td>
<td>600</td>
<td>400</td>
<td>500</td>
<td>CABV9525/PR</td>
<td>1</td>
<td>15.21</td>
</tr>
<tr>
<td>CABV3525/800SS</td>
<td>800</td>
<td>500</td>
<td>500</td>
<td>CABV9530/PR</td>
<td>2</td>
<td>24.35</td>
</tr>
<tr>
<td>CABV3530/1000SS</td>
<td>1000</td>
<td>500</td>
<td>500</td>
<td>CABV9530/PR</td>
<td>2</td>
<td>30.90</td>
</tr>
<tr>
<td>CABV3535/1200SS</td>
<td>1200</td>
<td>500</td>
<td>500</td>
<td>CABV9530/PR</td>
<td>2</td>
<td>34.00</td>
</tr>
<tr>
<td>CABV3540/1450SS</td>
<td>1450</td>
<td>500</td>
<td>500</td>
<td>CABV9530/PR</td>
<td>2</td>
<td>40.81</td>
</tr>
</tbody>
</table>

- Kit consists of: 2 x brackets (nuts & bolts not supplied)
- See table above for compatible toolboxes
- Zinc plated steel, powder coated black
- Stainless steel fitting kits available upon request

#### Replacement Handle

<table>
<thead>
<tr>
<th>Part No.</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>CABV9964/SS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Suits all CABV35 stainless steel toolboxes
- 304G Stainless steel
- Supplied with 2 keys
Toolboxes

Steel

CABV25 Range

All Bawer CABV25 toolboxes are suited for vehicle fitment and can be incorporated within the side-guard, in accordance with UNECE Regulation 73

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Length (mm)</th>
<th>Height (mm)</th>
<th>Depth (mm)</th>
<th>Fitting Kit</th>
<th>No. of Handles</th>
<th>Weight (kgs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CABV2515/500BS</td>
<td>500</td>
<td>350</td>
<td>400</td>
<td>CABV9515/PR</td>
<td>1</td>
<td>12.21</td>
</tr>
<tr>
<td>CABV2520/600BS</td>
<td>600</td>
<td>400</td>
<td>500</td>
<td>CABV9515/PR</td>
<td>1</td>
<td>15.21</td>
</tr>
<tr>
<td>CABV2525/800BS</td>
<td>800</td>
<td>500</td>
<td>500</td>
<td>CABV9520/PR</td>
<td>2</td>
<td>24.35</td>
</tr>
<tr>
<td>CABV2530/1000BS</td>
<td>1000</td>
<td>500</td>
<td>500</td>
<td>CABV9520/PR</td>
<td>2</td>
<td>30.90</td>
</tr>
<tr>
<td>CABV2535/1200BS</td>
<td>1200</td>
<td>500</td>
<td>500</td>
<td>CABV9520/PR</td>
<td>2</td>
<td>34.00</td>
</tr>
<tr>
<td>CABV2540/1450BS</td>
<td>1450</td>
<td>500</td>
<td>500</td>
<td>CABV9520/PR</td>
<td>2</td>
<td>40.81</td>
</tr>
</tbody>
</table>

- Fully sealed enclosure
- Robust design / robotically formed and welded
- 1.5mm Zinc plated & powder coated steel
- Patented Europlex ‘T’ locking handles
- Optional mounting/fitting kits available - see below
- Toolbox door/lid chains available - see page 307
- Door/lid gas struts to aid operation are available - please contact us for more information

Horizontal Fitting Kits (Recommended)

CABV9515/PR  Small fitting kit
wgt. 3.50kg  L420 x W160 x T3mm
CABV9520/PR  Large fitting kit
wgt. 6.50kg  L520 x W205 x T4mm

- Kit consists of: 2 x brackets
- See table above for compatible toolboxes
- Zinc plated steel, powder coated black

Replacement Handle

CABV9941/BP  wgt. 0.45kg
- Suits all CABV25 black powder coated toolboxes
- Black plastic
- Supplied with 2 keys
Toolboxes
Aluminium Chequer Plate
CABA Range
Manufactured from 2mm Aluminium Chequer Plate, Press-Formed and Welded

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Length (mm)</th>
<th>Height (mm)</th>
<th>Depth (mm)</th>
<th>No. of Handles</th>
<th>Weight (kgs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CABA450/ACP</td>
<td>450</td>
<td>480</td>
<td>490</td>
<td>1</td>
<td>11.00</td>
</tr>
<tr>
<td>CABA600/ACP</td>
<td>600</td>
<td>480</td>
<td>490</td>
<td>1</td>
<td>13.00</td>
</tr>
<tr>
<td>CABA800/ACP</td>
<td>800</td>
<td>480</td>
<td>490</td>
<td>1</td>
<td>16.00</td>
</tr>
<tr>
<td>CABA1000/ACP</td>
<td>1000</td>
<td>480</td>
<td>490</td>
<td>2</td>
<td>19.00</td>
</tr>
</tbody>
</table>

- Fully sealed enclosure
- Robust design/corrosion resistant
- 2mm Aluminium
- 'D' Section seal
- Stainless steel 'T' locking handles
- Toolbox door/lid chains available - see below
- Interior base mat supplied with all boxes
- Door/lid gas struts to aid operation are available - please contact us for more information

Replacement Handle
HALK1504/3WCS
wgt. 2.09kg
- Suits all CABA aluminium toolboxes
- 304G Stainless steel
- Supplied with 2 x rods, 2 x guides, gasket & 2 keys
- Full information on page 139

Toolbox Door / Lid Chain Set
Suits all Ranges of Toolboxes

<table>
<thead>
<tr>
<th>CABX/CHAIN/22ZP</th>
<th>wgt. 0.10kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>22 Links - 460mm long</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CABX/CHAIN/28ZP</th>
<th>wgt. 0.12kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>28 Links - 590mm long</td>
<td></td>
</tr>
</tbody>
</table>

- 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
Mobile Storage Bins
Plastic - Recycled Polyethylene
UNIKAR T Range

CABWJ75/GREEN  Green
CABWJ75/RED    Red
CABWJ75/YELLOW  Yellow
wgt. 11.00kg
- H1070 x W590 x D435mm
- Suitable for multiple uses: grit, salt, absorbents, fertilizer, animal feed, gardening, coal, logs etc.
- 75 Litre capacity
- Robust design
- Ergonomic handle for ease of use
- Suitable for indoor and outdoor use/storage
- Lid can be stored in the vertical position
- Clever balance point for ease of manoeuvring
- Manufactured from 100% recycled chemically resistant PE
- Optional rubber seal and toggle available to order

Storage Boxes
Plastic - Polypropylene
CABV86 Range

CABV86004005/BLACK  Black
CABV86014000/RED    Red
wgt. 6.30kg
- H570 x W650 x D500mm
- High quality range of weatherproof storage boxes with endless uses: sand/grit, spill kit, home delivery storage safe box (lockable version) etc.
- 108 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
### Storage Boxes

**Plastic - Polypropylene**

**CABV82 Range**

<table>
<thead>
<tr>
<th>Model</th>
<th>Features</th>
</tr>
</thead>
</table>
| CABV82201/550BP | Side hinged
|             | wgt. 2.50kg
|             | - 1 x Locking handle                                                     |
| CABV82202/550BP | Bottom hinged
|             | wgt. 2.60kg
|             | - 2 x Locking handles                                                   |
|             | - 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                                                     |

### Storage Box

**Plastic - Fully Recyclable Moulded Polyethylene**

**CABX Range**

<table>
<thead>
<tr>
<th>Model</th>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>CABX/IBC40</td>
<td>wgt. 4.00kg</td>
</tr>
<tr>
<td></td>
<td>- L400 x H275 x D330mm</td>
</tr>
<tr>
<td></td>
<td>- Bottom hinged</td>
</tr>
<tr>
<td></td>
<td>- Supplied with compartment lock and 2 keys</td>
</tr>
<tr>
<td></td>
<td>- Suitable for general storage use / housing for control instruments</td>
</tr>
</tbody>
</table>

### Document Holder

**Plastic - Fully Recyclable Polyethylene**

**CAB1005**

<table>
<thead>
<tr>
<th>Model</th>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>wgt. 0.54kg</td>
</tr>
<tr>
<td></td>
<td>- L320 x ø125mm</td>
</tr>
<tr>
<td></td>
<td>- Screw on cap</td>
</tr>
<tr>
<td></td>
<td>- Lid connected to the body by a small length of chain</td>
</tr>
<tr>
<td></td>
<td>- Rubber seal to protect from water ingress</td>
</tr>
<tr>
<td></td>
<td>- 2 x ø8mm Threaded fixing holes - 180mm hole centres</td>
</tr>
<tr>
<td></td>
<td>- Suitable for external fitment</td>
</tr>
</tbody>
</table>

**CAB603000100/BP**

<table>
<thead>
<tr>
<th>Model</th>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>wgt. 0.36kg</td>
</tr>
<tr>
<td></td>
<td>- L337 x ø104mm</td>
</tr>
<tr>
<td></td>
<td>- Screw on cap</td>
</tr>
<tr>
<td></td>
<td>- Lid connected to the body by a plastic lanyard</td>
</tr>
<tr>
<td></td>
<td>- Rubber seal to protect from water ingress</td>
</tr>
<tr>
<td></td>
<td>- Multiple fixing points</td>
</tr>
<tr>
<td></td>
<td>- Suitable for external fitment</td>
</tr>
</tbody>
</table>
**Universal Coupling**
3500kg - 17.0kN

**FTRLV352L**
wgt. 3.03kg
- Removable ball & pin
- Pin: ø25mm (nominal)
- Ball: ø50mm
- Unique primary locking lever and secondary locking pin, ensures safe towing
- Towing capacity: 3.5T
- 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

**Universal Coupling**
3500kg - 17.2kN

**FTRL1850055**
wgt. 1.15kg
- ø25mm Replacement pin, ball & lanyard to suit FTRLV352L

**Universal Coupling**
3500kg - 30.95kN

**FTRL201691**
wgt. 5.21kg
- Fixed ball / removable pin
- Pin: ø32mm (nominal)
- Ball: ø50mm
- Towing capacity: 3.5T
- 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

**FTRLDB67187**
wgt. 1.12kg
- ø32mm Replacement pin, chain & tag to suit FTRL201691
**FTRL201661**
- wtg. 2.13kg
- Removable pin
- Pin: φ25mm (nominal)
- Towing capacity: 3.5T
- 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

**Towing Jaw**
- 3500kg - 17.5kN

---

**FTRLV501/L**
- wtg. 3.99kg
- Removable pin
- Pin: φ32mm (nominal)
- Towing capacity: 3.5T
- 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

**FTRL185087117**
- wtg. 1.52kg
- φ32mm Replacement pin & lanyard to suit FTRL2014 & FTRL201661

---

**Towing Jaw**
- 3500kg - 30.95kN

---

**FTRL353**
- wtg. 1.59kg
- Meets the requirements as specified in EEC Directive 94/20/EC
- D-Value: 17.00kN
- Class: A50-X
- Black painted
- 2 x ø16.5mm fixing holes (HT 8.8 bolts or higher must be used)

---

**FTRL124/12C**
- Off-set
- wtg. 5.75kg

**FTRL124/12S**
- Straight
- wtg. 5.56kg
- L305mm

**FTRL124/16C**
- Off-set
- wtg. 8.00kg

**FTRL124/16S**
- Straight
- wtg. 8.00kg
- L405mm
- W90 x D30mm
- ø50mm Eye
- Forged mild steel-heat treated
- Agricultural use only

---

**Agricultural Trailer Hitch Eyes**
- Self Colour
- Off-set
- Maximum breaking load on eye 24000kg
- Bending load on eye only 5750kg

---

**FTRLDB68169**
- wtg. 1.09kg
- φ25mm Replacement pin & lanyard to suit FTRL2014 & FTRL201661

---

**Tow Ball**
- 17.0kN

---

**FTRL201661**
- wtg. 2.13kg
- Removable pin
- Pin: φ25mm (nominal)
- Towing capacity: 3.5T
- 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

---

**FTRLV501/L**
- wtg. 3.99kg
- Removable pin
- Pin: φ32mm (nominal)
- Towing capacity: 3.5T
- 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

---

**FTRL185087117**
- wtg. 1.52kg
- φ32mm Replacement pin & lanyard to suit FTRLV501/L

---

**Tow Ball**
- 17.0kN

---

**FTRL353**
- wtg. 1.59kg
- Meets the requirements as specified in EEC Directive 94/20/EC
- D-Value: 17.00kN
- Class: A50-X
- Black painted
- 2 x ø16.5mm fixing holes (HT 8.8 bolts or higher must be used)
Adjustable Height Couplings
Suits: FTRL201661, FTRL202014, FTRL353 & FTRLV352L

The height-adjustable holders from Bradley (ALKO) 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. Any towball, any coupling mouth or any hook can be attached, as the product is pre-drilled for fastening using 2 or 4 bolts.

FTRL202090
wgt. 7.93kg
- Adjustment: 200mm
  5 Positions in 50mm increments

FTRL202091
wgt. 7.19kg
- Adjustment: 150mm
  4 Positions in 50mm increments

FTRL202092
wgt. 7.43kg
- Adjustment: 100mm
  3 Positions in 50mm increments

- All steel construction
- 4 Bolt mounting on towing 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
- Optional lock to secure slider in frame with key release

Supplied with nuts & bolts

HAZARD WARNING LAMPS
123-126
BUFFERS & FENDERS
28-36
LASHING RINGS
169-176
Tube
Galvanized, Stainless Steel & Zinc Plated

- For door mechanisms to suit see pages 52 to 77

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Outer Dia. (mm)</th>
<th>Wall Thickness (mm)</th>
<th>Length (mm)</th>
<th>Material / Finish</th>
<th>Weight (kgs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LKGR16/2000SS</td>
<td>16</td>
<td>1.0</td>
<td>2000</td>
<td>304G Stainless Steel</td>
<td>0.66</td>
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<tr>
<td>LKGR16/2500SS</td>
<td>16</td>
<td>2.0</td>
<td>2500</td>
<td>304G Stainless Steel</td>
<td>1.60</td>
</tr>
<tr>
<td>LKGR16/3000ZP</td>
<td>16</td>
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<td>3000</td>
<td>Zinc Plated</td>
<td>1.71</td>
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<tr>
<td>LKGR22/2500SS</td>
<td>22</td>
<td>2.0</td>
<td>2500</td>
<td>304G Stainless Steel</td>
<td>2.35</td>
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<tr>
<td>LKGR22/2500ZP</td>
<td>22</td>
<td>1.5</td>
<td>2500</td>
<td>Zinc Plated</td>
<td>1.76</td>
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<tr>
<td>LKGR22/3000GV</td>
<td>22</td>
<td>2.0</td>
<td>3000</td>
<td>Galvanized</td>
<td>3.06</td>
</tr>
<tr>
<td>LKGR27/2500SS</td>
<td>27</td>
<td>2.0</td>
<td>2500</td>
<td>304G Stainless Steel</td>
<td>2.87</td>
</tr>
<tr>
<td>LKGR27/3000SS</td>
<td>27</td>
<td>2.0</td>
<td>3000</td>
<td>304G Stainless Steel</td>
<td>3.45</td>
</tr>
<tr>
<td>LKGR27/3000GV</td>
<td>27</td>
<td>2.5</td>
<td>3000</td>
<td>Galvanized</td>
<td>4.50</td>
</tr>
<tr>
<td>LKGR34/3000GV</td>
<td>34</td>
<td>3.0</td>
<td>3000</td>
<td>Galvanized</td>
<td>7.43</td>
</tr>
</tbody>
</table>

Aluminium Tube
Curtain Pole

- LKGR38/4000AT
  wgt. 2.20kg
  - 6063 T6 Grade
  - Mill finish
  - Curtain tensioners to suit, see pages 49 to 51

Tube Inserts
Polyethylene

- Ribbed for easy assembly and secure fixing
- Provides protection from sharp tube edges
- Manufactured from low density polyethylene (LDPE)

<table>
<thead>
<tr>
<th>Part No.</th>
<th>W x W (mm)</th>
<th>H (mm)</th>
<th>h1 (mm)</th>
<th>L (mm)</th>
<th>Finish (Black)</th>
<th>Weight (kgs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUNG199288</td>
<td>25 x 25</td>
<td>5.0</td>
<td>11.5</td>
<td>1.0 - 2.5</td>
<td>Polished</td>
<td>0.004</td>
</tr>
<tr>
<td>BUNG11770</td>
<td>40 x 20</td>
<td>5.0</td>
<td>11.5</td>
<td>1.0 - 3.0</td>
<td>Polished</td>
<td>0.006</td>
</tr>
<tr>
<td>BUNG199062</td>
<td>40 x 40</td>
<td>5.0</td>
<td>14.5</td>
<td>1.0 - 3.0</td>
<td>Polished</td>
<td>0.010</td>
</tr>
<tr>
<td>BUNG32468</td>
<td>50 x 50</td>
<td>5.0</td>
<td>14.5</td>
<td>1.0 - 3.0</td>
<td>Polished</td>
<td>0.014</td>
</tr>
<tr>
<td>BUNG199229</td>
<td>80 x 40</td>
<td>5.0</td>
<td>14.5</td>
<td>2.0 - 4.0</td>
<td>Matt</td>
<td>0.019</td>
</tr>
<tr>
<td>BUNG32479</td>
<td>100 x 50</td>
<td>8.0</td>
<td>18.5</td>
<td>2.0 - 4.0</td>
<td>Matt</td>
<td>0.036</td>
</tr>
<tr>
<td>BUNG2550B</td>
<td>100 x 100</td>
<td>7.0</td>
<td>22.0</td>
<td>2.0 - 4.0</td>
<td>Matt</td>
<td>0.074</td>
</tr>
<tr>
<td>BUNG111517</td>
<td>120 x 60</td>
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<td>22.0</td>
<td>2.0 - 4.0</td>
<td>Polished</td>
<td>0.042</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Part No.</th>
<th>D (mm)</th>
<th>H (mm)</th>
<th>h1 (mm)</th>
<th>L (mm)</th>
<th>Finish (Black)</th>
<th>Weight (kgs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUNG34/MGS/BLK</td>
<td>32.0</td>
<td>5.0</td>
<td>11.5</td>
<td>1.0 - 3.0</td>
<td>Polished</td>
<td>0.004</td>
</tr>
</tbody>
</table>

* Suits all ø34mm mudwing stays - see page 201-202
**ISO Retractable Twist Lock**

Red Oxide Primer Finish

<table>
<thead>
<tr>
<th>LKTW860</th>
<th>wgt. 8.60kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Suitable for use with LKTWT &amp; LKTWB ISO corner castings</td>
<td></td>
</tr>
<tr>
<td>• Fully retractable head leaving trailer/vehicle bed clear of obstructions</td>
<td></td>
</tr>
<tr>
<td>• Locks corner casting through full 90° with positive locking</td>
<td></td>
</tr>
<tr>
<td>• Fabricated steel body / forged head assembly</td>
<td></td>
</tr>
<tr>
<td>• Weld-on</td>
<td></td>
</tr>
<tr>
<td>• Red oxide primer finish</td>
<td></td>
</tr>
<tr>
<td>• Plastic handle cover</td>
<td></td>
</tr>
</tbody>
</table>

**De-Mountable Body Twist Lock**

Yellow Painted

| LKTW875/LH | Left hand |
| LKTW875/RH | Right hand |
| wgt. 8.50kg |
| • Suitable for de-mountable bodies / units |
| • Spring loaded handle |
| • Fabricated steel body |
| • 6 x ø10mm Fixing holes |
| • Plastic handle cover |

**Spring Loaded Release Plunger**

Self Colour Body / Zinc Plated Handle

| LKTW30019/CDSC | Cranked down |
| LKTW30020/CUSC | Cranked up |
| wgt. 1.26kg |
| • All steel construction |
| • ø32mm Bolt |
| • Heavy duty design |
| • Complete with grease nipple |
| • Weld-on |
ISO Corner Casting
Standard Type

LKTWT20100/L
wgt. 10.53kg
Top corner A
Left hand

LKTWT20100/R
wgt. 10.53kg
Top corner B
Right hand

LKTWB20000/L
wgt. 10.53kg
Bottom corner C
Left hand

LKTWB20000/R
wgt. 10.53kg
Bottom corner D
Right hand

- 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

Cone Casting
Quarter Guide

LKTW895/QGSC
wgt. 3.20kg
- Demountable body / unit guide
- Straight lift system
- Weldable cast steel
- Self colour

Cone Casting
Half Guide

LKTW895/HGSC
wgt. 5.39kg
- Demountable body / unit guide
- Straight lift system
- Weldable cast steel
- Self colour
The Flettner TCX-2™ represents the very latest generation of rotary ventilators and has been designed with one over-riding purpose in mind — to be the absolute best. Flettner Ventilator Ltd has always designed ventilators that are extremely tough and thoroughly reliable. The TCX-2™ is no exception, but it represents a step change increase in performance.

The TCX-2™ has been designed using leading-edge computer modelling techniques. No stone has been left unturned to maximise the efficiency and sheer torque it delivers. The result: a rotary ventilator that extracts nearly twice as much air as the famous Flettner 2000 (source MIRA Ltd). Incorporating features that include an integral air concentrator and an ultra-efficient centrifugal fan the TCX-2™ is finely tuned for Torque Concentrated Extraction. As if that weren't enough the new TCX-2™ is also much simpler to fit than a conventional rotary ventilator. The reduced fitting time represents a substantial saving in labour costs compared with previous models.

Meticulous attention to every detail of quality and design are Flettner Ventilator’s hallmarks. State-of-the-art manufacturing and rigorous quality management ensure that each and every TCX-2™ Ventilator is built to Flettner’s exacting standards. The bearings are incredibly smooth-running and are made from high quality stainless steel. The polypropylene rotor head is tough and durable.

- Extracts fumes, flammable gases
- Combats excess heat/condensation/odours

### Standard Circular Base

<table>
<thead>
<tr>
<th>Model</th>
<th>Diameter</th>
<th>Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>VEN/TCX/BLKSB</td>
<td>145mm</td>
<td>Black</td>
</tr>
<tr>
<td>VEN/TCX/WHTSB</td>
<td></td>
<td>White</td>
</tr>
<tr>
<td>wgt. 1.02kg</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Narrow Oval Base

<table>
<thead>
<tr>
<th>Model</th>
<th>Diameter</th>
<th>Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>VEN/TCX/BLKNB</td>
<td>108mm</td>
<td>Black</td>
</tr>
<tr>
<td>VEN/TCX/WHTNB</td>
<td></td>
<td>White</td>
</tr>
<tr>
<td>wgt. 1.08kg</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Suitable for ribbed roofs

**Optional**

VEN/TCX/ADAPTER

Adapter to suit 15-140mm duct

wgt. 0.31kg

### Wind Speed vs. Air Extraction Rate

<table>
<thead>
<tr>
<th>Wind Speed</th>
<th>mph</th>
<th>km/h</th>
<th>Cubic Feet per Minute</th>
<th>Cubic Metres per Minute</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>16</td>
<td>18</td>
<td>0.52</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>32</td>
<td>37</td>
<td>1.05</td>
<td></td>
</tr>
<tr>
<td>30</td>
<td>48</td>
<td>58</td>
<td>1.64</td>
<td></td>
</tr>
<tr>
<td>40</td>
<td>64</td>
<td>81</td>
<td>2.28</td>
<td></td>
</tr>
<tr>
<td>50</td>
<td>80</td>
<td>102</td>
<td>2.89</td>
<td></td>
</tr>
<tr>
<td>60</td>
<td>96</td>
<td>126</td>
<td>3.56</td>
<td></td>
</tr>
<tr>
<td>70</td>
<td>112</td>
<td>149</td>
<td>4.21</td>
<td></td>
</tr>
</tbody>
</table>

**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.
The Definitive Rotary Ventilator

Known for its sheer reliability the Flettner ‘2000’ is firmly established as the definitive wind-powered rotary ventilator. Used around the world the Flettner ‘2000’ has proved itself to be tough, durable and utterly reliable. Capable of operating in extreme conditions this ventilator is built to last.

From vans to buses, from ambulances to 4 x 4s and from fishing vessels to horseboxes the Flettner ‘2000’ provides around the clock ventilation with no battery drainage. That means less heat build-up, less condensation and no build-up of dangerous fumes.

Discreet, compact and extremely quiet, the Flettner ‘2000’ is also an ideal roof ventilator for homes, especially where the removal of excess heat and condensation within attic spaces is required, or for situations where an electricity supply is not readily available.

Meticulous attention to detail and design are Flettner Ventilator’s hallmarks. Engineering expertise and rigorous quality management ensure that each and every Flettner ‘2000’ ventilator is built to Flettner’s exacting standards. The bearings are incredibly smooth-running and are made of high quality stainless steel. The polypropylene rotor head is tough and durable. The Flettner maxim has never been more true: “fit it and forget it”

- Extracts fumes, flammable gases
- Combats excess heat/condensation/odours

**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.

---

**VENTILATORS**

**VEN2000**

VEN2000/WHITE  
Black  
White  

wgt. 0.85kg

**Optional**

VEN2000/AD  
Adapter to suit 5-45mm duct  
wgt. 0.08kg

<table>
<thead>
<tr>
<th>Wind Speed</th>
<th>Air Extraction Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>mph</td>
<td>km/h</td>
</tr>
<tr>
<td>10</td>
<td>16</td>
</tr>
<tr>
<td>20</td>
<td>32</td>
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<tr>
<td>30</td>
<td>48</td>
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<tr>
<td>50</td>
<td>80</td>
</tr>
<tr>
<td>60</td>
<td>96</td>
</tr>
<tr>
<td>70</td>
<td>112</td>
</tr>
</tbody>
</table>
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

**Optional VEN/LPV/ADAPTER**  wgt. 0.23kg
- Adapter to suit 25-125mm duct

<table>
<thead>
<tr>
<th>Wind Speed</th>
<th>Air Extraction Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>mph</td>
<td>km/h</td>
</tr>
<tr>
<td>20</td>
<td>32</td>
</tr>
<tr>
<td>30</td>
<td>48</td>
</tr>
<tr>
<td>40</td>
<td>64</td>
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<td>50</td>
<td>80</td>
</tr>
<tr>
<td>60</td>
<td>96</td>
</tr>
<tr>
<td>70</td>
<td>112</td>
</tr>
<tr>
<td>80</td>
<td>128</td>
</tr>
<tr>
<td>90</td>
<td>145</td>
</tr>
</tbody>
</table>

Technology
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’**

- 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

### VENTILATORS

<table>
<thead>
<tr>
<th>Wind Speed</th>
<th>Air Extraction Rate</th>
<th>mph</th>
<th>km/h</th>
<th>Cubic Feet per Minute</th>
<th>Cubic Metre per Minute</th>
</tr>
</thead>
<tbody>
<tr>
<td>12.5</td>
<td>20</td>
<td>25.5</td>
<td>0.71</td>
<td></td>
<td></td>
</tr>
<tr>
<td>25.0</td>
<td>40</td>
<td>52.0</td>
<td>1.48</td>
<td></td>
<td></td>
</tr>
<tr>
<td>37.5</td>
<td>60</td>
<td>82.0</td>
<td>2.33</td>
<td></td>
<td></td>
</tr>
<tr>
<td>50.0</td>
<td>80</td>
<td>112.2</td>
<td>3.17</td>
<td></td>
<td></td>
</tr>
<tr>
<td>62.5</td>
<td>100</td>
<td>144.6</td>
<td>4.09</td>
<td></td>
<td></td>
</tr>
<tr>
<td>75.0</td>
<td>120</td>
<td>175.4</td>
<td>4.95</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**VEN027100/BLK**

- Black
- Ven. 1.20kg
- 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

**VEN021030**

- Ven. 0.24kg
- White plastic
- 4 x ø5mm Fixing holes
- Roof top cut-out required: L140 x W120mm

**VEN352720/BLK**

- Black ABS plastic
- Suits all motorised ventilators - see page 320

**VEN892024**

- Black ABS plastic
- Simply twist to open/close
- 4 x ø5mm Countersunk fixing holes
- Suits all motorised ventilators - see page 320

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**Ventilator**

**Duct Type**

**Internal Grille**

**Black Plastic**

**Internal Ventilation Valve**

**Black Plastic**

---

Head Office: 01707 371161
Midlands Division: 0121 5200100
sales@cbf.uk.com
cbf.uk.com
VEN020200/12 12v
VEN020200/24 24v
wgt. 1.76kg
- Reversible motor suction/blowing
- White ABS plastic
- Non-corrosive
- Robust housing
- Ultra low design
- For inner grilles and internal ventilation valves, see page 319
- To be used with inner grille, or internal ventilation valve if the air flow is to be shut off

Switch to Suit
VEN894005 3 Way
wgt. 0.01kg
- On-Off-On
- Suits all motorised ventilator units

VEN022200/LM/12 12v
VEN022300/LM/24 24v
wgt. 1.95kg
- Reversible motor suction/blowing
- White ABS plastic
- Non-corrosive
- Robust housing
- Ultra low / modern design
- For inner grilles and internal ventilation valves, see page 319
- To be used with inner grille, or internal ventilation valve if the air flow is to be shut off

Switch to Suit
VEN894005 3 Way
wgt. 0.01kg
- On-Off-On
- Suits all motorised ventilator units

Motorised Ventilator
Low Profile

Motorised Ventilator
'Le Mans' - Low Profile
Roof Hatch
Multi-Directional

VEN280
wgt. 1.06kg
- Dome size: L330 x W330mm
- Aperture size: L280 x W280mm
- 78mm Height above roof

VEN420
wgt. 1.65kg
- Dome size: L465 x W465mm
- Aperture size: L420 x W420mm
- 75mm Height above roof
- 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

Roof Hatch / Multi-Directional
Complete with Security Bars

VEN500/350/SLBAR
wgt. 2.84kg
- Dome size: L580 x W430mm
- Aperture size: L500 x W350mm
- Smoked acrylic lid
- Various opening positions
- Anodised aluminium security bars
- Robust design
- Supplied complete with inner trim section
- Suitable for various applications: horseboxes, motorhomes, catering trailers etc.

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
wgt. 0.15kg
- ø97mm Vent
- 2 Parts
- Only 3mm protrusion
- Corrosion resistant
- Robust design
**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**  
wgt. 0.85kg  
- Corrosion resistant  
- Robust design  
- Only 3mm protrusion  
- 4 x ø5mm Countersunk fixing holes

**VEN96/FL**  
wgt. 0.08kg  
- W225 x H150mm  
- 4 x ø3mm fixing holes  
- Other sizes available to order

**VEN96/FLMS**  
wgt. 0.08kg  
- W240 x H164mm  
- 4 x ø3.5mm Fixing holes

**VEN129/FLMS**  
wgt. 0.13kg  
- W305 x H225mm  
- 6 x ø3.5mm Fixing holes  
- Other sizes available to order

**Ven96/HM**  
wgt. 0.11kg  
- W240 x H164mm  
- 4 x ø3mm Fixing holes

**VEN129/HM**  
wgt. 0.20kg  
- W305 x H230mm  
- 4 x ø3mm Fixing holes  
- Other sizes available to order

---

**Aluminium Louvre Grille**  
*Fixed Hook*

**VEN96/FLMS**  
wgt. 0.08kg  
- W240 x H164mm  
- 4 x ø3.5mm Fixing holes

**VEN129/FLMS**  
wgt. 0.13kg  
- W305 x H225mm  
- 6 x ø3.5mm Fixing holes  
- Other sizes available to order

**Aluminium Multi-Slotted Louvre Grille**  
*Fixed Hook*

**VEN96/FLMS**  
wgt. 0.08kg  
- W240 x H164mm  
- 4 x ø3.5mm Fixing holes

**VEN129/FLMS**  
wgt. 0.13kg  
- W305 x H225mm  
- 6 x ø3.5mm Fixing holes  
- Other sizes available to order

**Aluminium Slotted Grille**  
*Hit & Miss*

**VEN96/FLMS**  
wgt. 0.08kg  
- W240 x H164mm  
- 4 x ø3mm Fixing holes

**VEN129/FLMS**  
wgt. 0.13kg  
- W305 x H230mm  
- 4 x ø3mm Fixing holes  
- Other sizes available to order
### Small Wheel Choc

**Yellow Plastic**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Weight</th>
<th>Dimensions</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>WNGM/TK2011</td>
<td>Wheel choc</td>
<td>1.50kg</td>
<td>L390 x W160 x H200mm</td>
<td>For use on small commercial vehicles, Complies with ADR requirements, Conforms to EC regulation DIN 76051-G46, Robust and durable, Steel grip strip</td>
</tr>
</tbody>
</table>

**Wheel choc holder**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Weight</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>WNGM/TK2035</td>
<td>Wheel choc holder</td>
<td>0.40kg</td>
<td>Black plastic, Suits WNGM/TK2011</td>
</tr>
</tbody>
</table>

**Plastic fixing support**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Weight</th>
<th>Dimensions</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>WNGM/TK2095</td>
<td>Plastic fixing support</td>
<td>0.16kg</td>
<td>L215 x W55mm</td>
<td>Suits WNGM/TK2011 &amp; WNGM/TK2025</td>
</tr>
</tbody>
</table>

### Large Wheel Choc

**Yellow Plastic**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Weight</th>
<th>Dimensions</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>WNGM/TK2025</td>
<td>Wheel choc</td>
<td>1.70kg</td>
<td>L470 x W201 x H225mm</td>
<td>For use on large commercial vehicles, Complies with ADR requirements, Conforms to EC regulation DIN 76051-E53, Robust and durable, Steel grip strip</td>
</tr>
</tbody>
</table>

**Wheel choc holder**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Weight</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>WNGM/TK2050</td>
<td>Wheel choc holder</td>
<td>0.70kg</td>
<td>Black plastic, Suits WNGM/TK2025</td>
</tr>
</tbody>
</table>

**Plastic fixing support**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Weight</th>
<th>Dimensions</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>WNGM/TK2095</td>
<td>Plastic fixing support</td>
<td>0.16kg</td>
<td>L215 x W55mm</td>
<td>Suits WNGM/TK2011 &amp; WNGM/TK2025</td>
</tr>
</tbody>
</table>

### Wheel Choc

**Rubber**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Weight</th>
<th>Dimensions</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>RUBF2024/CK</td>
<td>Wheel choc</td>
<td>6.80kg</td>
<td>L235 x W160 x H200mm</td>
<td>Natural rubber compound, Complete with tie ring</td>
</tr>
</tbody>
</table>
**WHEELS**

**6 Stud Spare Wheel Carrier**
Black Powder Coated

- **AMSC232024**
  - wt. 6.20kg
  - Suits 205mm stud centres
  - Side mounted carrier
  - Suitable for trucks & trailers fitted with off-set wheel rims
  - Plain rear mounting plate allows fixing bolts to be positioned as required

**10 Stud Spare Wheel Carrier**
Black Powder Coated

- **AMSC232039**
  - wt. 11.40kg
  - Suits 225, 275 & 335mm stud centres
  - Side mounted carrier
  - Suitable for trucks & trailers fitted with off-set wheel rims
  - Pre-drilled front mounting plate containing 2 x ø18mm holes

**Wheel Trims**
Stainless Steel

- **MISC175/4SS**
  - wt. 1.50kg
  - 444mm - 17.5"

- **MISC225/4SS**
  - wt. 1.90kg
  - 570mm - 22.5"

  - 2 x Front & 2 x rear wheel trims per set
  - All sets supplied with attachment ring, security bolts and tool
Wheel Nut Indicators
'ARROW POINT'

The 'ARROW-POINT' markers assist the fleet operator and drivers in identifying potential wheel loss incidents.

- Clearly visible on a walk around vehicle inspection
- Easy to fit
- Highly visible / bright yellow
- Durable and heat resistant
- Clear size indication
- 50 Units per pack

**MISC360/027/YEL**
- wgt. 0.11kg
  - Suits 27mm nuts

**MISC360/032/YEL**
- wgt. 0.11kg
  - Suits 32mm nuts

**MISC360/033/YEL**
- wgt. 0.11kg
  - Suits 33mm nuts

---

**HEIGHT INDICATORS**
- 11-2
- 255

**SPRAY SUPPRESSION FLAPS**
- 196-198

**WONDERWIPES**
- 268