

SELECTLOK













Selectlok New Zealand supplies specialty product to a variety of manufacturing industries nationwide and internationally:

ELECTRICAL SWITCHBOARDS & DATA RACKS RETAIL DISPLAY CABINETS AUTOMOTIVE RV & MARINE

SHEETMETAL FABRICATION FRESH PRODUCE SORTING MACHINES TRUCK BODY BUILDERS

SPECIALISED S GENERAL FASTENERS INDUSTRIAL PRESSES 5 HOPPERS CANOPIES 5
TOOL BOXES

Selectlok NZ is proudly privately owned in New Zealand by New Zealanders.

BUSES & TRANSPORT HARDWARE

With sole agencies and strategic supplier partnerships all over the world, including Germany, Italy, Turkey, USA, Indonesia, Taiwan and China, Selectlok NZ offers an extensive range of product tailored to suit New Zealand applications and conditions.

FOOD TRUCK S CONTAINER CONVERSIONS

Employing a 'good, better, best' philosophy, Selectlok NZ enables customer choice, starting with good quality product at the best price, ranging up to high end German designed and manufactured product where only the very best can be used.

AGRICULTURAL S EARTHWORK EQUIPMENT

SECURITY SAFETY PROTECTION

PERFORMANCE CONVENIENCE VERSATILITY

> COMPLIANCE CONTINUITY ASSURANCE





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O1 DOOR LIFTING



GAS STRUTS - GENERAL INFORMATION

- Please use the below information and our 'Guide to Ordering' on the following pages to ensure you receive the correct gas strut, mounting points and opening angle for your installation. Our gas struts have a one way valve; once gassed we cannot remove force, nor accept them back for return.
- Our standard gas struts are supplied with female ball socket ends & male ball stud mounting brackets with M8x12mm thread (M10x19mm for C14 gas struts) and a hex collar for tightening. However we also stock a wide range of alternative gas strut ends and mounting bracket options.
- Most of our standard gas strut extended lengths can be increased by up to 20mm, in 5mm increments by changing the socket ends. It is important to remember increasing extended length also increases the minimum compressed length by the same, so you should check you have sufficient space between mounting points throughout door closing to accommodate this.
- Gas struts should be mounted cylinder up shaft down where possible. This enables the best damping effect and also allows internal oil to lubricate the seal and shaft, prolonging gas strut life.
- Our gas struts have a 12 month warranty. Gas strut life varies hugely depending on installation environment and use. A gas strut that is compressed and extended regularly enables the internal oil to lubricate and protect the shaft. A gas strut used infrequently, or subject to a dusty or damp environment, or subject to corrrosive elements (e.g. cleaners) will deteriorate more quickly. As the smooth surface of the shaft corrodes or pulls debris through the seal then the seal will become damaged and gas (force) will be lost.
- Our gas struts are rated for use in temperatures between -20°C to +80°C, however temperature changes will change gas strut force. As a rough guide, a 10°C reduction in temperature will reduce force by approximately 4%, and vice versa.
- Actual gas strut force may vary from nominal force; tolerance is approximately +/- 7% of the labelled force.

Some concepts often misunderstood:

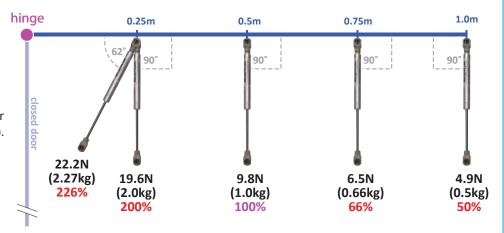
Gas struts are not rated in "newton metres". Newton metres (Nm) is a measurement of Torque which is a rotational force about a pivot. An example of Torque: A 1.0m high Vertical Door (hinged across the top) with a Centre of Gravity of 0.5m, with a total mass of 1kg lifted to horizontal (open) position has gravity acting upon it creating torque: $0.5m \times 1kg \times 9.8 = 4.9Nm$ of Torque.

By contrast, a gas strut has Force which is measured in newtons (N). The gas strut force required to hold this door at horizontal varies depending on the mounting distance from the centre of hinge and the angle the gas strut is on. A gas strut mounted vertically at the COG (0.5m from hinge) would require 9.8N of force to make the door weightless: 4.9Nm / 0.5m = 9.8N; obviously more force would be required to securely hold it up against wind and vibrations. Additionally, for doors which rotate around a pivot, the gas struts cannot be mounted perpendicular to the door which reduces the gas strut efficiency, so even more force is required to hold the door up.

Below is a representation of the force required just to counteract gravity (make the door weightless) at different distances from the hinge.

Diagram showing a vertical door 1.0m High, 1kg total weight with 0.5m COG, open at horizontal position = 4.9Nm Torque

At the centre of gravity the perpendicular force required to counter gravity equals total door weight (100%). Out at the opening edge only 50% is required because the hinge is holding half the weight. By comparison, the angled strut close to hinge requires 226% of door weight.



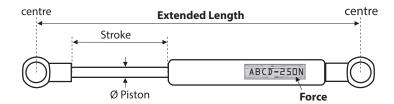


GAS STRUTS - GUIDE TO ORDERING PLEASE READ BEFORE ORDERING

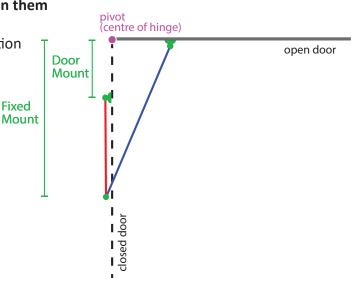
The following detailed information is provided to ensure new door designs and gas strut fit-outs go smoothly and without wasting unnecessary time and expense. We recommend you read the following pages and ask us any questions before ordering.

1. Situations:

1a. If you are replacing existing gas struts please check the label to see if a force is noted. This could be shown in Newtons, for example "250N", "1000N", or it could be shown in pounds "30lb". If you have this information then we only need this and the extended length of the gas strut (centre to centre of end connections) and a photo showing the type of end connection (socket, eyelet, clevis, etc).



- **1b.** If your existing gas struts do not have the force noted on the label but they have some force remaining, then it is best to use them to get us two measurements weigh your door / hatch out at the opening edge with the door up at horizontal: (1) with your old struts fitted and (2) without your old struts fitted. Then you need to send us your old struts for testing what force remains in them. Once we know the force remaining in your old struts and the difference in weight at the end of the door / hatch, then we can fairly accurately calculate out what force to put in new struts for you.
- 1c. If your existing gas struts have no force left in them at all then you will need to read on the following pages and provide further information as well as the distances from centre of hinge to the centre of each mounting point (Door Mount and Fixed Mount).



1d. If it is a new design then we need you to supply the information on the following pages and we will specify the gas strut and advise where to position the mounting brackets. If you have any restrictions or preferences for where the mounting points need to go, we need to know before doing the calculation and specifying the gas strut - please send us a detailed drawing / photos demonstrating your requirements.



GAS STRUTS - GUIDE TO ORDERING PLEASE READ BEFORE ORDERING

2. Type of Door:

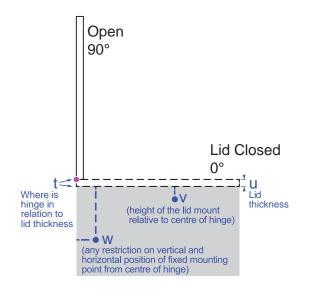
We need to know what type of door (or other) you are using the gas struts on. Different door designs will have different COGs (Centre of Gravity) and have different torque values throughout their rotation. This can completely change where the mounting points need to be and what gas strut force is required.

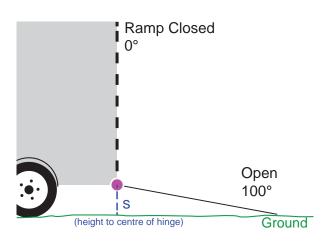
Below are the five most common door types. Please advise which type you have and send us a **detailed drawing with all dimensions** (including dimensions: **z**, **y**, **x**, **w**, **v**, **u**, **t**, **s** shown below, where applicable).

Photos of your door in open and closed positions are very helpful to identify any potential issues in advance.

VERTICAL DOOR SLOPED DOOR Open 90° Door Closed 0° Door Closed 0° Open 90° Door Closed 0° Door Closed 0°

HATCH / LID RAMP DOOR





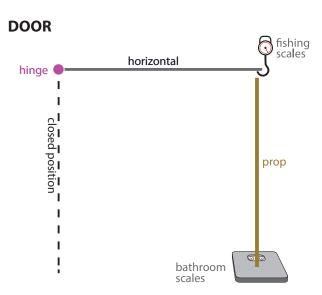
DOOR LIFTING

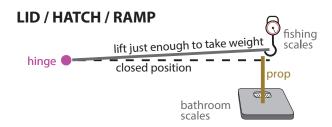
GAS STRUTS - GUIDE TO ORDERING PLEASE READ BEFORE ORDERING

3. Door Weight and COG:

We must have accurate weight and measurements in order to give you the desired result. If you guess and under / over estimate any specifications, then you may end up with gas struts that do not function correctly. Our gas struts have a one-way valve; once we add gas to suit your specification we cannot remove it - so we cannot accept gas struts back for return. Note that while under-estimating may seem a safe gamble, a lower force specification may see you end up with a smaller diameter gas strut with a maximum force capability below what is required for your application.

- **3a.** If the door is not yet installed weigh the whole finished door including hardware on some platform (or bathroom) scales.
- **3b.** If the door / hatch is already installed on the hinge then (remove any existing gas struts and) hook the bottom / opening edge of the door / hatch using some hanging scales (fishing / luggage type) and lift to horizontal to get a weight. If the door is too heavy to hold with hanging scales you can use a pole to prop the door up on some platform scales see diagrams below:

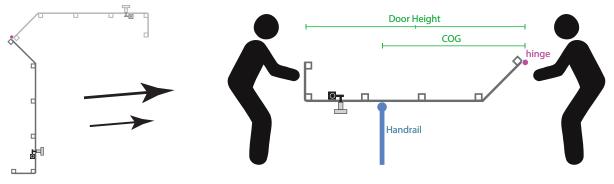




Important Note: The weight measured out at the opening edge needs to be doubled to get the total door weight because the hinge is holding half the weight. Be sure to confirm with us whether you are giving us the measured weight or the total weight.

3c. COG (Centre of Gravity): If the door / hatch is not evenly constructed from hinge to opening edge, or if there is door hardware installed this can shift the COG from the middle of the door. We need to know this so we can allow for it in the calculation.

To estimate the COG of an irregularly constructed door, with the door off the hinge, two people can position it on top of a round hand rail (or similar) and move it back and forth (hinge to opening edge) until it balances. The COG is the distance measured from the hinge to the balancing point. See diagram below showing a bent door with handle and hardware:

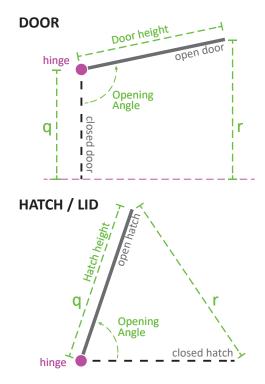


GAS STRUTS - GUIDE TO ORDERING PLEASE READ BEFORE ORDERING

4. Height: Measure the distance from the centre of hinge to the opening edge as shown in diagram beside.

Note: We do not ask for the length of the hinged side because it is not part of the calculation except whether to use one or two gas struts. You should only consider using one gas strut per door if you have a very lightweight door with a short hinge side, or a door with an extremely strong frame, body and hinge. Otherwise you should always have two to balance forces.

5. Opening angle: We need to know what opening angle you require for your door / hatch. Because this can be difficult to measure, if the angle is critical, it is better to give us a drawing showing the door in both closed and open position and the measurements for r and q in the diagram(s) beside. If a door is not vertical when closed, or if a hatch is not horizontal when closed, you need to advise us.

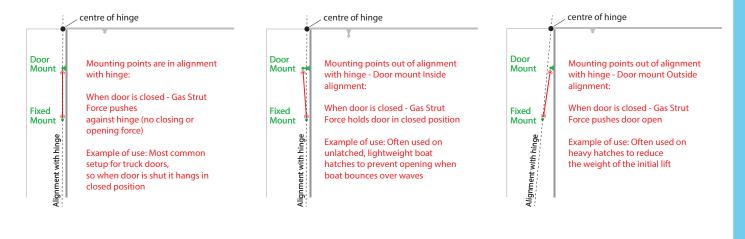


Note: When we input your desired opening angle into our standard calculator it will return mounting point positions which will ensure the door mounting point moves through your specified opening angle. If you have a thick door, or large brackets which offset your mounting points then this will affect the actual angle the door opens to. To solve this for you we need a detailed drawing showing all measurements from the centre of hinge: door thickness, mounting bracket offsets, door closed and open positions.

When we specify mounting point dimensions, follow these instructions to confirm they will work for your installation:

- Open the door to the desired opening angle
- Mark the door mounting point position that we have specified on the door (allowing for bracket offsets)
- From this door mounting point, measure the extended length of the gas strut down to the body / frame and mark where the fixed mounting point position needs to go (allowing for bracket offsets)
- Now check that throughout door closing rotation the distance between the two mounting points is always larger than the minimum compressed length of the gas strut.

In addition to this, offset mounting points will effect how the door performs in closed position. The gas strut may push the door open, or, hold the door closed (see below diagram). This should be considered when designing/choosing mounting brackets.

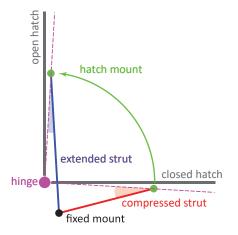




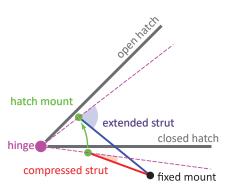
GAS STRUTS - GUIDE TO ORDERING PLEASE READ BEFORE ORDERING

6. Hatches / Lids require more consideration of mounting positions to achieve the correct gas strut performance. However, as long as you provide us with accurate weight and measurements and install the mounting points exactly where we specify - we can make a hatch weightless to lift, or with a little weight remaining to keep it closed, or design it so the gas strut force can hold the hatch closed.

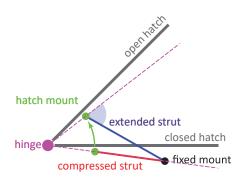
The appropriate gas strut setup for a hatch will depend on the hatch weight, opening angle and how it is to be used. See some common examples below:



For heavy hatches opening up close to vertical Hatch Closed: strut angled up to help initial lift Hatch Open: strut close to hinge to reduce efficiency and make easy to close



For heavy hatches with shallow opening angle Hatch Closed: strut angled up to help initial lift Hatch Open: strut almost perpendicular to lid to increase efficiency to hold open



For light hatches with shallow opening angle Hatch Closed: strut angled at hinge so no upward force Hatch Open: strut almost perpendicular to lid

to increase efficiency to hold open

Note: The pink dashed lines emanating from the centre of hinge and passing through the centre of the hatch mounting point. The angle which the gas strut makes with the pink dashed line dictates the efficiency of the gas strut force and contributes to the overall size of the lever arm creating the desired hatch rotation. The closer the angle is to 90°, the more efficient the gas strut is. The shallower the angle the less efficient the gas strut is.

So, while a hatch mounting point further from the hinge can contribute to a larger lever arm, if it results in a shallow gas strut angle it can undermine the gain. The tricky part is to get the right balance between the two for both open and closed hatch positions. We have the tools and skills to achieve this.



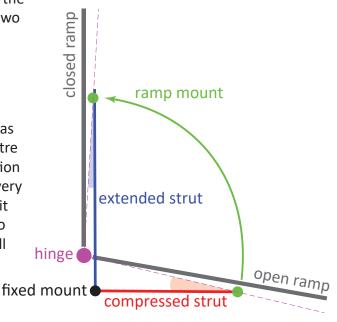
GAS STRUTS - GUIDE TO ORDERING PLEASE READ BEFORE ORDERING

7. Ramp Doors (e.g. horse float, race trailer)

These require a mounting point below the hinge such that the gas strut has some angle and efficiency when the ramp is down (at it's largest Torque value). There are two options:

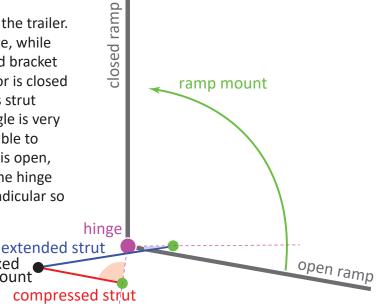
7a. Traditional mounting - vertically up the door:

The fixed mounting point is below the door hinge but as close as possible to the vertical plane through the centre of hinge so that when the ramp door is in closed position (where the Torque value is close to zero) the angle is very shallow so the gas strut is as inefficient as possible so it is not too difficult to open the door. If the strut has too much angle in closed position it will be too hard to pull open.



7b. Underbody mounting - horizontally under chassis:

Gas struts can also be setup horizontally under the trailer. The fixed mounting point is forward of the hinge, while the door mounting point is attached to a curved bracket off the bottom of the ramp door. When the door is closed (Torque value is close to zero) the extended gas strut needs to pass close to the hinge so that the angle is very shallow so the gas strut is as inefficient as possible to make door opening easy. When the ramp door is open, the door mounting point rotates down under the hinge and the strut angle needs to be close to perpendicular so the gas strut has maximum efficiency.



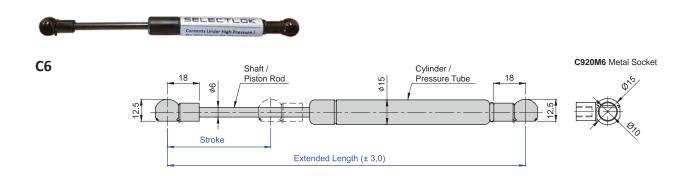
This setup gives better ground clearance when the vehicle is moving as the door bracket protrudes to the rear when the door is closed. Depending on height clearance off the ground, some fitters will recess the struts into the rear box section or create skids that hit the ground before the struts to prevent damage.

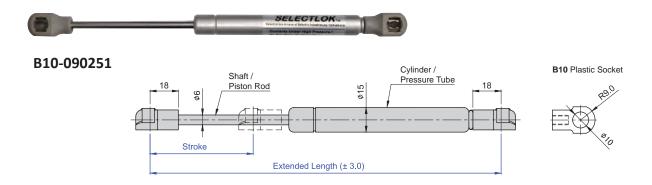


fixed mount

GAS STRUTS - STANDARD 6mm PISTON 300N (MAX) NI-SLIDE STEEL

- High quality German specification & Japanese quality management
- All struts supplied with female ball socket ends & male 10mm ball studs with 13mm M8 thread
- Piston treated with Ni-slide nitrating process for corrosion resistance
- Cylinder rolled, not welded, for optimal seal
- Superior damping control with patented labyrinth piston





Code	Force Range (N)	Extended (mm)	Stroke (mm)	Compressed (mm)	Ø Piston (mm)
C6-060195-XXXN	50 - 300	195	60	135	6
C6-080240-XXXN	50 - 300	240	80	160	6
B10-080240-XXXN	50 - 300	240	80	160	6
B10-090251-XXXN	60 - 300	251	90	161	6
C6-100280-XXXN	50 - 300	280	100	180	6

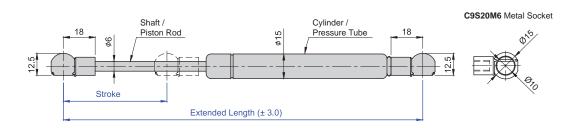




GAS STRUTS - OUTDOOR / MARINE 6mm PISTON 300N (MAX) STAINLESS STEEL

- High quality German specification & Japanese quality management
- All struts supplied with female ball socket ends & male 10mm ball studs with 13mm M8 thread
- 316 stainless steel shaft & cylinder, 303 stainless steel socket ends and ball stud brackets
- High corrosion resistance, non-magnetic
- Rolled not welded for optimal seal
- Superior damping control with patented labyrinth piston





Code	Force Range (N)	Extended (mm)	Stroke (mm)	Compressed (mm)	Ø Piston (mm)
S6-060195-XXXN	50 - 300	195	60	135	6
S6-080240-XXXN	50 - 300	240	80	160	6
S6-100280-XXXN	50 - 300	280	100	180	6

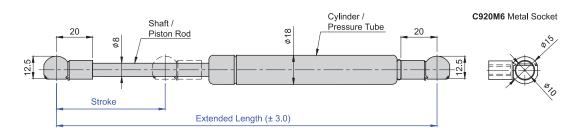


DOOR LIFTING

GAS STRUTS - STANDARD 8mm PISTON 700N (MAX) NI-SLIDE STEEL

- High quality German specification & Japanese quality management
- All struts supplied with female ball socket ends & male 10mm ball studs with 13mm M8 thread
- Piston treated with Ni-slide nitrating process for corrosion resistance
- Cylinder rolled, not welded, for optimal seal
- Superior damping control with patented labyrinth piston





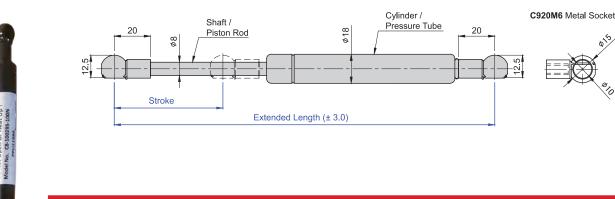
Code	Force Range (N)	Extended (mm)	Stroke (mm)	Compressed (mm)	Ø Piston (mm)
C8-075230-XXXN	100 - 700	230	75	155	8
C8-080245-XXXN	500 - 700	245	80	165	8
C8-090260-XXXN	50 - 700	260	90	170	8
B10-100275-XXXN	115 - 700	275	100	175	8
C8-110290-XXXN	150 - 700	290	110	180	8
C8-100295-XXXN	100 - 700	295	100	195	8
C8-115310-XXXN	50 - 700	310	115	195	8
B10-125330-XXXN	145 - 700	330	125	205	8
C8-125330-XXXN	50 - 700	330	125	205	8
C8-135350-XXXN	50 - 700	350	135	215	8
B10-140365-XXXN	150 - 700	365	140	225	8
C8-148375-XXXN	50 - 700	375	148	227	8
B10-150395-XXXN	150 - 700	395	150	245	8
C8-165405-XXXN	50 - 700	405	165	240	8
C8-165410-XXXN*	100 - 700	410	165	245	8
C8-177430-XXXN	50 - 700	430	177	253	8
C8-185450-XXXN	100 - 700	450	185	265	8
Continued next pag	ge				

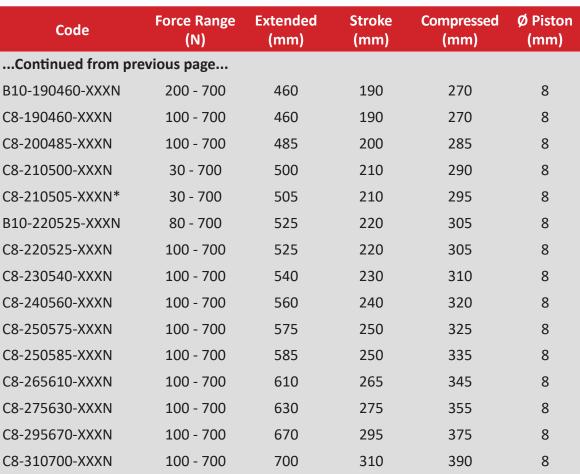
^{*}Gas strut already has 5mm extension end(s).



GAS STRUTS - STANDARD 8mm PISTON 700N (MAX) NI-SLIDE STEEL

- · High quality German specification & Japanese quality management
- All struts supplied with female ball socket ends & male 10mm ball studs with 13mm M8 thread
- Piston treated with Ni-slide nitrating process for corrosion resistance
- Cylinder rolled, not welded, for optimal seal
- Superior damping control with patented labyrinth piston



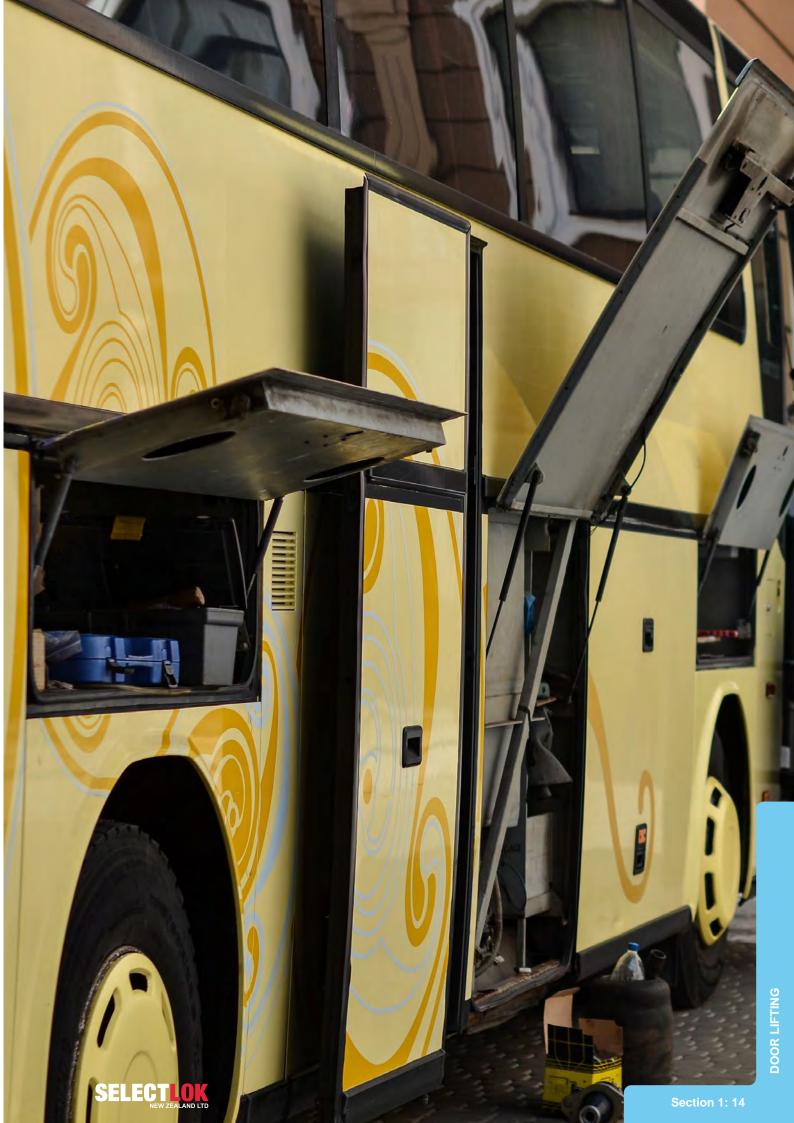


Lengths of most gas struts can be increased up to 20mm, in 5mm increments.



C8

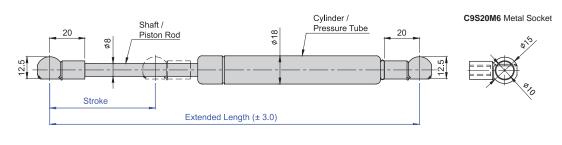
^{*}Gas strut already has 5mm extension end(s)



DOOR LIFTING

GAS STRUTS - OUTDOOR / MARINE 8mm PISTON 650N (MAX) STAINLESS STEEL

- High quality German specification & Japanese quality management
- All struts supplied with female ball socket ends & male 10mm ball studs with 13mm M8 thread
- 316 stainless steel shaft & cylinder, 303 stainless steel socket ends and ball stud brackets
- High corrosion resistance, non-magnetic
- Rolled not welded for optimal seal
- Superior damping control with patented labyrinth piston









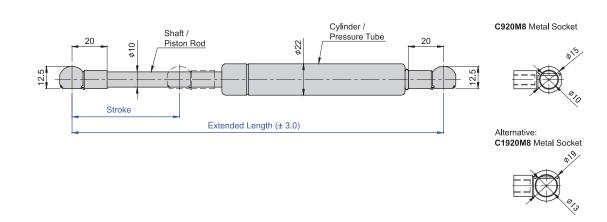
Code	Force Range (N)	Extended (mm)	Stroke (mm)	Compressed (mm)	Ø Piston (mm)
S8-120325-XXXN	100 - 650	325	120	205	8
S8-160405-XXXN	100 - 650	405	160	245	8
S8-160410-XXXN*	100 - 650	410	160	250	8
S8-215510-XXXN	100 - 650	510	215	295	8
S8-220525-XXXN	100 - 650	525	220	305	8
S8-265610-XXXN	100 - 650	610	265	345	8
S8-320710-XXXN	100 - 650	710	320	390	8
S8-365810-XXXN	100 - 650	810	365	445	8

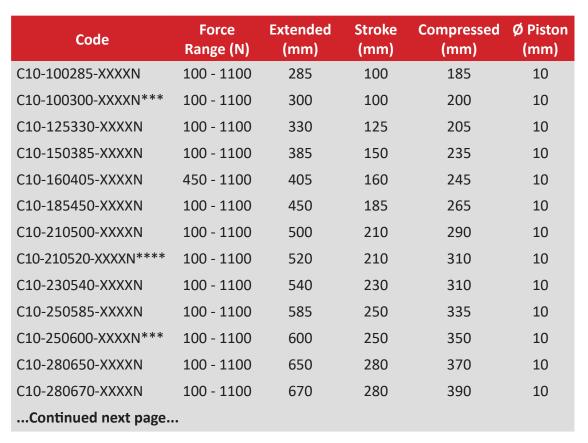


DOOR LIFTING

GAS STRUTS - STANDARD 10mm PISTON 1100N (MAX) NI-SLIDE STEEL

- High quality German specification & Japanese quality management
- All struts supplied with female ball socket ends & male 10mm ball studs with 13mm M8 thread
- Piston treated with Ni-slide nitrating process for corrosion resistance
- Cylinder rolled, not welded, for optimal seal
- Superior damping control with patented labyrinth piston





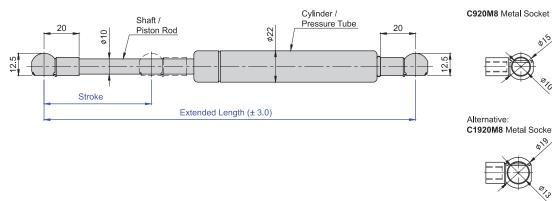
C10

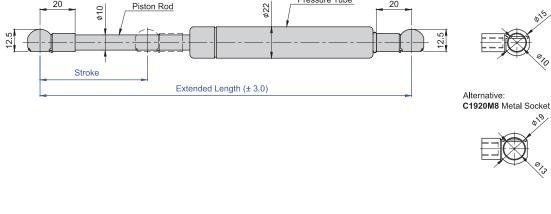
- ***Gas strut already has 15mm extension end(s).
- ****Gas strut already has 20mm extension end(s).



GAS STRUTS - STANDARD 10mm PISTON 1100N (MAX) **NI-SLIDE STEEL**

- High quality German specification & Japanese quality management
- All struts supplied with female ball socket ends & male 10mm ball studs with 13mm M8 thread
- Piston treated with Ni-slide nitrating process for corrosion resistance
- Cylinder rolled, not welded, for optimal seal
- Superior damping control with patented labyrinth piston





Code	Force Range (N)	Extended (mm)	Stroke (mm)	Compressed (mm)	Ø Piston (mm)
Continued from previous	ous page				
C10-300700-XXXXN	100 - 1100	700	300	400	10
C10-325730-XXXXN	100 - 1100	730	325	405	10
C10-325735-XXXXN*	100 - 1100	735	325	410	10
C10-330750-XXXXN	100 - 1100	750	330	420	10
C10-350785-XXXXN	100 - 1100	785	350	435	10
B10A-350795-XXXXN	300 - 1100	795	350	445	10
C10-350800-XXXXN***	100 - 1100	800	350	450	10
C10-370830-XXXXN	100 - 1100	830	370	460	10
C10-400885-XXXXN	100 - 1100	885	400	485	10
C10-400900-XXXXN***	100 - 1100	900	400	500	10

Lengths of most gas struts can be increased up to 20mm, in 5mm increments.



C10

^{*}Gas strut already has 5mm extension end(s).

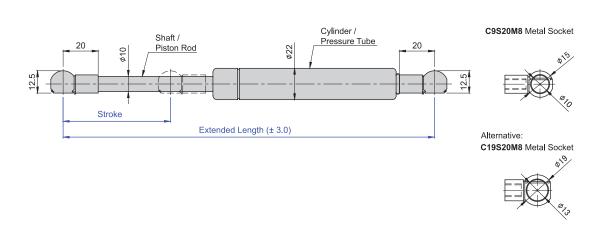
^{***}Gas strut already has 15mm extension end(s).



GAS STRUTS - OUTDOOR / MARINE 10mm PISTON 1000N (MAX) STAINLESS STEEL

- High quality German specification & Japanese quality management
- All struts supplied with female ball socket ends & male 10mm ball studs with 13mm M8 thread
- 316 stainless steel shaft & cylinder, 303 stainless steel socket ends and ball stud brackets
- High corrosion resistance, non-magnetic
- Rolled not welded for optimal seal
- Superior damping control with patented labyrinth piston





Code	Force Range (N)	Extended (mm)	Stroke (mm)	Compressed (mm)	Ø Piston (mm)
S10-160410-XXXN	100 - 1000	410	160	250	10
S10-250585-XXXN	100 - 1000	585	250	335	10
S10-250605-XXXN****	100 - 1000	605	250	355	10
S10-350785-XXXN	100 - 1000	785	350	435	10
S10-350805-XXXN****	100 - 1000	805	350	455	10
S10-400885-XXXN	100 - 1000	885	400	485	10
S10-400905-XXXN****	100 - 1000	905	400	505	10

S10

Lengths of most gas struts can be increased up to 20mm, in 5mm increments. ****Gas strut already has 20mm extension end(s).



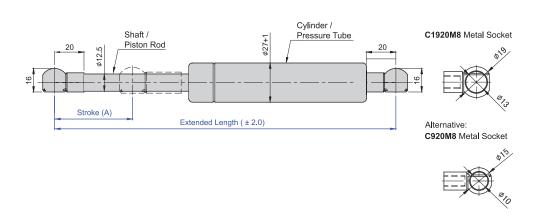
NG

DOOR LIFTING

GAS STRUTS - STANDARD 12mm PISTON 2000N (MAX) NI-SLIDE STEEL

- High quality German specification & Japanese quality management
- All struts supplied with female ball socket ends & male 13mm ball studs with 13mm M8 thread
- Piston treated with Ni-slide nitrating process for corrosion resistance
- Cylinder rolled, not welded, for optimal seal
- Superior damping control with patented labyrinth piston





Code	Force Range (N)	Extended (mm)	Stroke (mm)	Compressed (mm)	Ø Piston (mm)
C12-150385-XXXXN	100-2000	385	150	235	12.5
C12-150395-XXXXN**	100 - 2000	395	150	245	12.5
C12-220530-XXXXN	100 - 2000	530	220	310	12.5
C12-260620-XXXXN	100 - 2000	620	260	360	12.5
C12-280670-XXXXN	100 - 2000	670	280	390	12.5
C12-300700-XXXXN	100 - 2000	700	300	400	12.5
C12-325730-XXXXN	100 - 2000	730	325	405	12.5
C12-325750-XXXXN****	100 - 2000	750	325	425	12.5
C12-350785-XXXXN	100 - 2000	785	350	435	12.5
C12-375830-XXXXN	100 - 2000	830	375	455	12.5
C12-375850-XXXXN****	100 - 2000	850	375	475	12.5
C12-400900-XXXXN	100 - 2000	900	400	500	12.5

C12

^{****}Gas strut already has 20mm extension end(s).

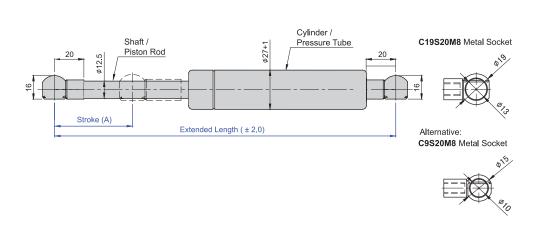


^{**}Gas strut already has 10mm extension ends.

GAS STRUTS - OUTDOOR / MARINE 12mm PISTON 1800N (MAX) STAINLESS STEEL

- High quality German specification & Japanese quality management
- All struts supplied with female ball socket ends & male 13mm ball studs with 13mm M8 thread
- 316 stainless steel shaft & cylinder, 303 stainless steel socket ends and ball stud brackets
- High corrosion resistance, non-magnetic
- Rolled not welded for optimal seal
- Superior damping control with patented labyrinth piston





Code	Force Range (N)	Extended (mm)	Stroke (mm)	Compressed (mm)	Ø Piston (mm)
S12-220530-XXXXN	100 - 1800	530	220	310	12.5
S12-300700-XXXXN	100 - 1800	700	300	400	12.5
S12-400900-XXXXN	100 - 1800	900	400	500	12.5





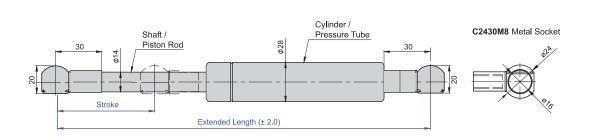
DOOR LIFTING

GAS STRUTS - STANDARD 14mm PISTON 2500N (MAX) NI-SLIDE STEEL

- High quality German specification & Japanese quality management
- All struts supplied with female ball socket ends & male 16mm ball studs with 20mm M8 thread
- Piston treated with Ni-slide nitrating process for corrosion resistance
- Cylinder rolled, not welded, for optimal seal
- Superior damping control with patented labyrinth piston



C14



Code	Force Range (N)	Extended (mm)	Stroke (mm)	Compressed (mm)	Ø Piston (mm)
C14-100320-XXXXN	100 - 2500	320	100	220	14
C14-190500-XXXXN	100 - 2500	500	190	310	14
C14-250605-XXXXN	100 - 2500	605	250	355	14
C14-350815-XXXXN	100 - 2500	815	350	465	14
C14-400920-XXXXN+	100 - 2500	920	400	520	14
C14-4501030-XXXXN	100 - 2500	1030	450	580	14
C14-5001135-XXXXN	100 - 2500	1135	500	635	14
C14-5501300-XXXXN	100 - 2000	1300	550	750	14

Lengths of most gas struts can be increased up to 20mm, in 5mm increments.

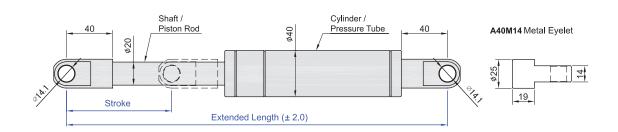
†Gas strut has shorter C2425M8 end



DOOR LIFTING

GAS STRUTS - STANDARD 20mm PISTON 5000N (MAX) NI-SLIDE STEEL

- High quality German specification & Japanese quality management
- C20 gas struts supplied with aluminium eyelet ends with 14mm hole
- Piston treated with Ni-slide nitrating process for corrosion resistance
- Cylinder rolled, not welded, for optimal seal
- Superior damping control with patented labyrinth piston



Code	Force Range (N)	Extended (mm)	Stroke (mm)	Compressed (mm)	Ø Piston (mm)
C20-100500-XXXXN*	600 - 5000	500	150	350	20
C20-350900-XXXXN*	600 - 5000	900	350	550	20
C20-5001200-XXXN*	600 - 5000	1200	500	700	20

^{*} Special order product



GAS STRUTS - SAFETY LOCKING TUBE MULTI-FIT - SUITS ALL 10mm PISTON GAS STRUTS STEEL

- Safety lock out tube to fit C10 model 10mm shaft gas struts
- Prevents unintentional closing of doors and lids due to wind or accidental knocking
- Spring loaded to be out of alignment so that the safety tube jams against the bottom of the gas strut cylinder preventing it compressing
- To close the door or lid, you must push the thumb press on the red plastic collar to align the safety tube with the cylinder and then begin pulling the door / lid closed
- The safety tube is fitted to only one of the pair of gas struts on the door, so that the door can still be closed by one person



C10-SAFETY-395

Multi-fit safety tube supplied 395mm long to fit C10-400885 / C10-400900 gas struts. To fit shorter gas strut models the tube must be cut to length to suit.

Instructions for fitting:

- Determine stroke (travel) of gas strut (e.g. 210mm).
- Cut safety tube to length of stroke less 5mm (e.g. 210-5 = 205mm) and paint cut edge.
- Remove ball socket end from shaft end of gas strut and insert into safety cylinder.
- Push the zinc alloy end of safety cylinder against a flat surface to straighten it (against the spring tension).
- Push / screw the M8 thread on the shaft end of the gas strut into the grey zinc alloy end piece inside the safety tube.
- Slide red plastic collar over cylinder end of gas strut and fit to cut end of safety tube, aligning it so that the thumb press is angled up away from the gas strut. Test operation, then remove and refit the red plastic collar applying a couple of drops of super glue to hold in place.

Important Note:

• When using the safety tube, the effective stroke of the gas strut is reduced by 35mm. For example, gas strut model C10-210500 with 210mm stroke would become 175mm stroke. This must be factored into the design.



Showing C10-210500-XXXN Gas Strut with C10-SAFETY-395 cut to suit



Showing C10-125330-XXXN Gas Strut with C10-SAFETY-395 cut to suit

Code	Gas Strut Ø Piston (mm)	Force Range (N)	_		Ø Red Collar (mm)
C10-SAFETY-395	10	100 - 1100	395	28mm	37







Code

AN-450

GAS STRUTS - ANTI-DUST BOOTS RUBBER

- Rubber dust boots protect gas strut shaft and seal from foreign particles
- Helps protect seal seat from corrosion and prolongs gas strut life

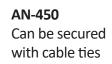
Compatible Gas Strut Models

C10, C12, C14

• To fit - remove socket end of gas strut, slide boot up shaft and cover cylinder end



	· · · ·
Code	Compatible Gas Strut Models
RB-0818-30	C8, S8
RB-1022-30	C10, S10
RB-1222-30	C12 (a few models)
RB-1228-35	C12, S12
RB-1428-35	C14













RB-1428

RB-1228

RB-1022

RB-0818

GAS STRUTS - FEMALE SOCKET ENDS QUICK RELEASE ENDS STEEL & STAINLESS STEEL

- Spring loaded quick release female socket end for gas strut. Fits 10mm Dia balls
- Ideal for lids that need to be removed (ute lids, boat hatches)
- Knurled for easy grip







Steel



QRE10M#-SS 304 S/Steel







Showing **QRE10M8** connected to **SW12** male ball stud bracket (available separately)

Code	Ball A (mm)	Thread E (mm)	Offset B (mm)	Overall Dia C (mm)	Max Force (N)	Material / Finish
QRE10M6	10	M6	24.6	14.3	1100	Steel / Black
QRE10M8	10	M8	28.6	15.9	1100	Steel / Black
QRE10M6-SS	10	M6	24.6	14.3	1100	304 S/Steel
QRE10M8-SS	10	M8	28.6	15.9	1100	304 S/Steel



GAS STRUTS - FEMALE SOCKET ENDS STEEL & STAINLESS STEEL

 Female socket ends for gas struts to fit male ball bracket





B10##M#



M920M6







C9##M#



C9S##M#







C19##M8





C19S##M8



C24##M8



Codes in **bold** are the socket ends supplied with standard length gas struts. *Ball entry is 20 degrees off perpendicular - for some automotive setups.



DOOR LIFTING

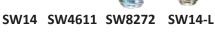
GAS STRUTS - MOUNTING BRACKETS MALE BALL STUDS STEEL & STAINLESS STEEL











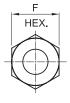


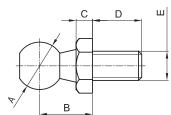












SW-LS016

SW18	TN-M8x17-ZP
JAATO	III IVIONTI EI

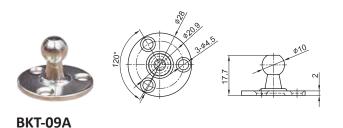
Code	Ball A (mm)	Thread E (mm)	Offset B (mm)	C (mm)	D (mm)	F (mm)	Max Force (N)	Material / Finish	Matching Socket End
SW11	10	M6	14.2	4.9	12.5	12	400	Steel / Black	C9##M#
SW13-SHORT	10	M8	15	4.7	8	13	1200	Steel / Zinc	C9##M#
SW12	10	M8	14.5	4.5	13.5	12	1200	Steel / Black	C9##M#
SW12-16L	10	M8	14.5	4.5	16	12	1200	Steel / Black	C9##M#
BS-002S2	10	Rivet	12.5	3	4	11*	1000**	303 S/Steel	C9S##M#
SWS-13	10	M8	12.5	3	12	13	1200	303 S/Steel	C9S##M#
SWS-12	10	M8	14.5	4.5	12	12	1200	303 S/Steel	C9S##M#
SWS-12-18L	10	M8	14.5	4.5	18	12	1200	303 S/Steel	C9S##M#
SW14	13	M8	15	4.5	12.5	13	1800	Steel / Black	C19##M8
SW4611	13	M8	14	3	15	13	1800	Steel / Zinc	C19##M8
SW8272	13	M10	14	3	20	17	2000	Steel / Zinc	C19##M8
SW14-L	13	M8	22	10	20	13	2000	Steel / Y/Zinc	C19##M8
SW-LS016	13	M10	31	20	45	14	2000	Steel / Zinc	C19##M8
SWS-14	13	M8	15	4.5	12.5	13	1800	303 S/Steel	C19S##M8
SW18	16	M10	17	3	19	13*	2500	Steel / Y/Zinc	C24##M8

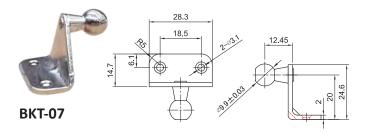
*Not hex shape **Depends on plate and riveting quality

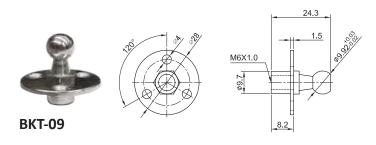
Code	Description	Material / Finish
TN-M8X17-ZP	Pronged T-Nut to create M8x17mm thread in timber	Steel / Zinc

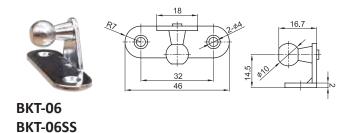


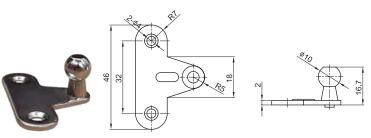
GAS STRUTS - MOUNTING BRACKETS PLATE BRACKETS STEEL & STAINLESS STEEL











BKT-08 BKT-08SS

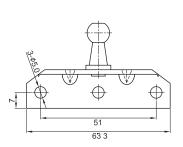
Code	Ball A (mm)	Ball Stud Angle to Mounting Surface	Ball Stud Offset to Mounting Surface (mm)	Max Force (N)	Material / Finish	Matching Socket End
BKT-09A	10	Perpendicular	13.5	300	Steel / Zinc	C9##M#
BKT-09	10	Perpendicular	13.5	400	Steel / Zinc	C9##M#
BKT-08	10	Perpendicular	12.5	300	Steel / Zinc	C9##M#
BKT-07	10	Parallel	18.5	200	Steel / Zinc	C9##M#
BKT-06	10	Parallel	14.5	300	Steel / Zinc	C9##M#
BKT-08SS	10	Perpendicular	12.5	300	303 S/Steel	C9S##M#
BKT-06SS	10	Parallel	14.5	300	303 S/Steel	C9S##M#

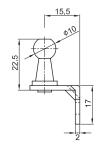
DOOR LIFTING

GAS STRUTS - MOUNTING BRACKETS PLATE BRACKETS STEEL



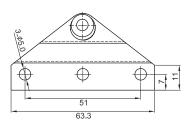
BKT-01

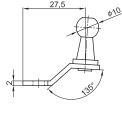






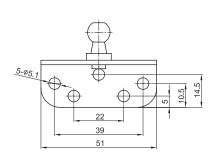
BKT-02

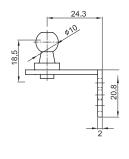






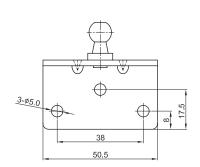
BKT-03

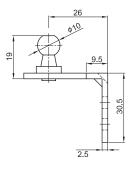






BKT-04



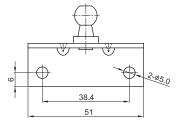


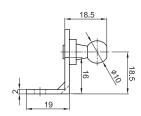
Code	Ball A (mm)	Ball Stud Angle to Mounting Surface	Ball Stud Offset to Mounting Surface (mm)	Max Force (N)	Material / Finish	Matching Socket End
BKT-01	10	Parallel	15.5	600	Steel / Zinc	C9##M#
BKT-02	10	94°	25.5	600	Steel / Zinc	C9##M#
BKT-03	10	Parallel	24.3	600	Steel / Zinc	C9##M#
BKT-04	10	Parallel	26	700	Steel / Zinc	C9##M#

GAS STRUTS - MOUNTING BRACKETS PLATE BRACKETS STEEL & STAINLESS STEEL



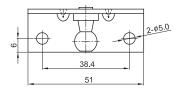
BKT-10-O BKT-10-OSS

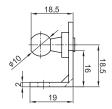






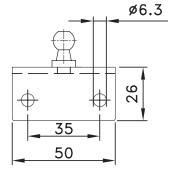
BKT-10-I BKT-10-ISS

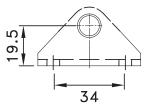


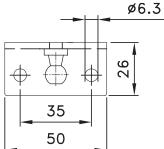


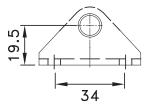


BKT-10-OHDSS











BKT-10-IHDSS

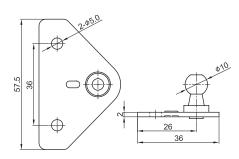
Code	Ball A (mm)	Ball Stud Angle to Mounting Surface	Ball Stud Offset to Mounting Surface (mm)	Max Force (N)	Material / Finish	Matching Socket End
BKT-10-O	10	Parallel	18.5	600	Steel / Zinc	C9##M#
BKT-10-I	10	Parallel	18.5	600	Steel / Zinc	C9##M#
BKT-10-OSS	10	Parallel	18.5	600	304/303 S/Steel	C9S##M#
BKT-10-ISS	10	Parallel	18.5	600	304/303 S/Steel	C9S##M#
BKT-10-OHDSS	10	Parallel	19.5	700	304/303 S/Steel	C9S##M#
BKT-10-IHDSS	10	Parallel	19.5	700	304/303 S/Steel	C9S##M#



DOOR LIFTING

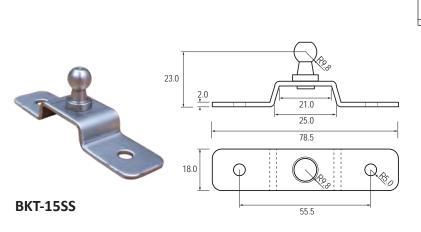
GAS STRUTS - MOUNTING BRACKETS PLATE BRACKETS STEEL & STAINLESS STEEL

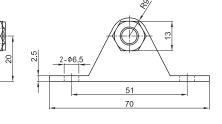




BKT-05 BKT-05SS





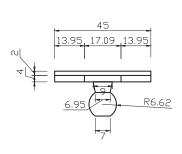


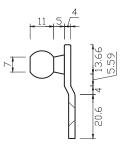
Code	Ball A (mm)	Ball Stud Angle to Mounting Surface	Ball Stud Offset to Mounting Surface (mm)	Max Force (N)	Material / Finish	Matching Socket End
BKT-05	10	Perpendicular	14	600	Steel / Zinc	C9##M#
BKT-13	Axle	Parallel	20	2500	Steel / Zinc	Eyelet
BKT-05SS	10	Perpendicular	14	600	304/303 S/Steel	C9S##M#
BKT-13SS	Axle	Parallel	20	2500	304/303 S/Steel	Eyelet
BKT-15SS	10	Perpendicular	23	500	304/303 S/Steel	C9S##M#

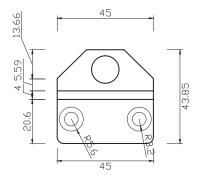
DOOR LIFTING

GAS STRUTS - MOUNTING BRACKETS HEAVY DUTY PLATE BRACKETS STEEL & STAINLESS STEEL



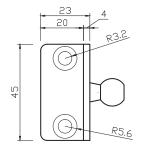


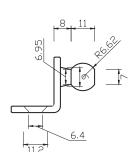


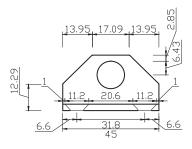


BKT12-13 BKT12-13SS*









BKT11-13-O BKT11-13-OSS*

Code	Ball A (mm)	Ball Stud Angle to Mounting Surface	Ball Stud Offset to Mounting Surface (mm)	Max Force (N)	Material / Finish	Matching Socket End
BKT12-13	13	Perpendicular	16.5	2000	Steel / Zinc	C19##M8
BKT11-13-O	13	Parallel	17	2000	Steel / Zinc	C19##M8
BKT12-13SS*	13	Perpendicular	16.5	2000	304/303 S/Steel	C19S##M8
BKT11-13-OSS*	13	Parallel	17	2000	304/303 S/Steel	C19S##M8

^{*}Special order product

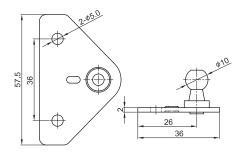


DOOR LIFTING

GAS STRUTS - MOUNTING BRACKETS PLATE BRACKETS STEEL BLACK & STAINLESS STEEL

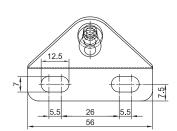


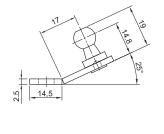
BKT-05BLK





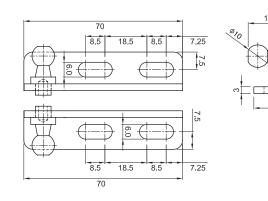
BKT-52 BKT-52SS





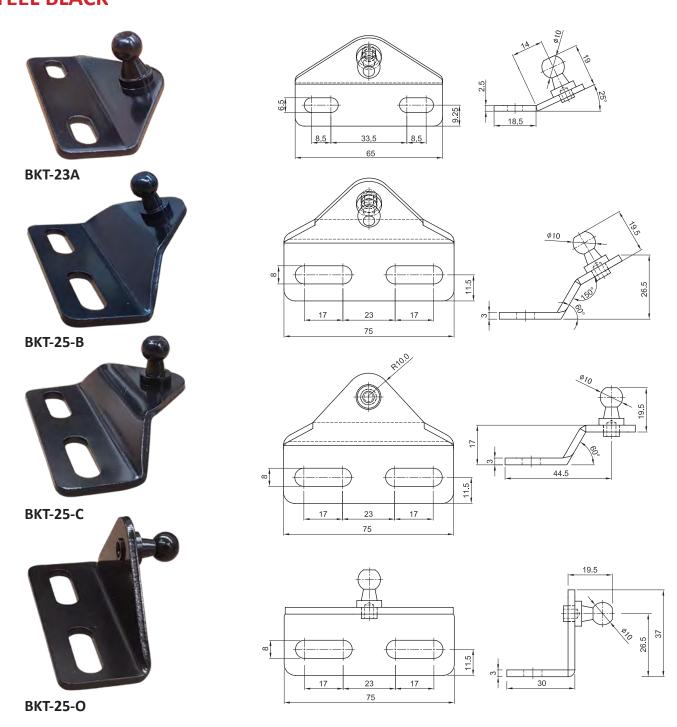


BKT-26-R BKT-26-L



Code	Ball A (mm)	Ball Stud Angle to Mounting Surface	Ball Stud Offset to Mounting Surface (mm)	Max Force (N)	Material / Finish	Matching Socket End
BKT-05BLK	10	Perpendicular	14	600	Steel / Black	C9##M#
BKT-52	10	65°	22.5	700	Steel / Black	C9##M#
BKT-26-R	10	Parallel	16.5	1100	Steel / Black	C9##M#
BKT-26-L	10	Parallel	16.5	1100	Steel / Black	C9##M#
BKT-52SS	10	65°	16.5	700	304/303 S/Steel	C9S##M#

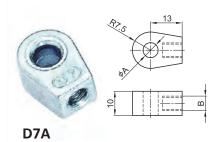
GAS STRUTS - MOUNTING BRACKETS PLATE BRACKETS STEEL BLACK



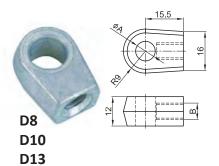
Code	Ball A (mm)	Ball Stud Angle to Mounting Surface	Ball Stud Offset to Mounting Surface (mm)	Max Force (N)	Material / Finish	Matching Socket End
BKT-23A	10	65°	20	700	Steel / Black	C9##M#
BKT-25-B	10	60°	32	1100	Steel / Black	C9##M#
BKT-25-C	10	Perpendicular	30	1100	Steel / Black	C9##M#
BKT-25-O	10	Parallel	26.5	1100	Steel / Black	C9##M#



GAS STRUTS - MOUNTING BRACKETS EYELET ENDS ZINC ALLOY

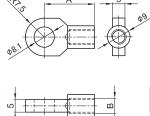


Code					Max Force (N)	Material / Finish
D7A	8.1	M6	13	12	600	Zinc / Zinc

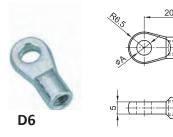


Code	Eye Dia (mm)	Thread (mm)			Max Force (N)	Material / Finish
D8	8.1	M8	15.5	12	2000	Zinc / Zinc
D10	10.1	M8	15.5	12	2000	Zinc / Zinc
D13	13	M8	15.5	12	1500	Zinc / Zinc

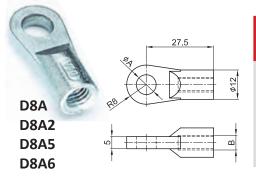




Code		Thread (mm)			Max Force (N)	Material / Finish
A7 BLACK	8.1	M6	20	5	700	Zinc / Black

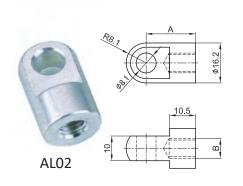


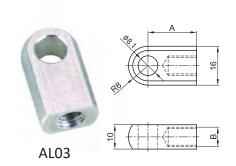
Code	•				Max Force (N)	Material / Finish
D6	6.1	M6	20	5	300	Zinc / Zinc

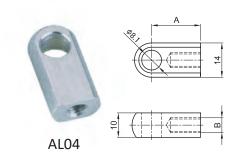


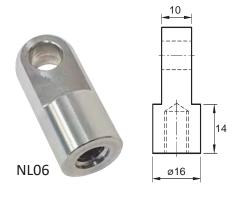
Code	Eye Dia (mm)	Thread (mm)		Thick (mm)	Max Force (N)	Material / Finish
D8A	8.1	M8	27.5	5	700	Zinc / Zinc
D8A2	8.1	M6	27.5	5	700	Zinc / Zinc
D8A5	10.1	M8	27.5	5	700	Zinc / Zinc
D8A6	10.1	M6	27.5	5	700	Zinc / Zinc

GAS STRUTS - MOUNTING BRACKETS EYELET ENDS ZINC ALLOY & ALUMINIUM





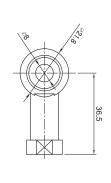




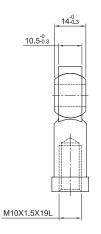
Code	Eye Dia (mm)	Thread (mm)	Offset (mm)	Thick (mm)	Max Force (N)	Material / Finish
NL06	8.1	M8	28	10/20	1100	Aluminium
AL02	8.1	M8	20	10/20	1100	Aluminium
AL03	8.1	M8	20	10	1100	Aluminium
AL04	8.1	M6	20	10	700	Aluminium

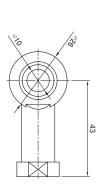
• Swivel eyelet (pillow ball)









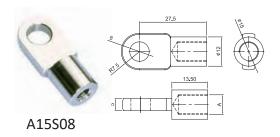


Code					Max Force (N)	Material / Finish
PHS8	8	M8	36.5	9	2000	Zinc / Zinc
PHS10	10	M10	43	10	2500	Zinc / Zinc

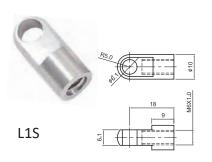


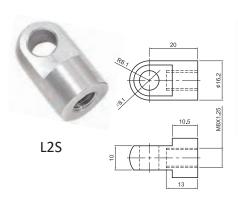
DOOR LIFTING

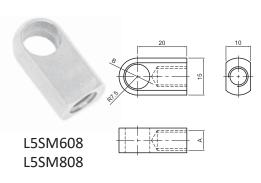
GAS STRUTS - MOUNTING BRACKETS EYELET ENDS STAINLESS STEEL



Code	Eye Dia (mm)	Thread (mm)			Max Force (N)	Material / Finish
A15S08M6	8.1	M6	27.5	5	700	303 S/Steel
A15S08M8	8.1	M8	27.5	5	1000	303 S/Steel



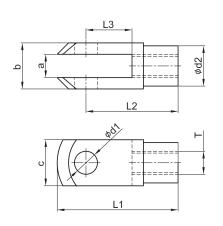




Code	Eye Dia (mm)	Thread (mm)	Offset (mm)	Thick (mm)	Max Force (N)	Material / Finish
L1S	6.1	M6	18	6.1	700	303 S/Steel
L2S	8.1	M8	20	10	2500	303 S/Steel
L5SM608	8.1	M6	20	10	700	303 S/Steel
L5SM808	8.1	M8	20	10	1100	303 S/Steel

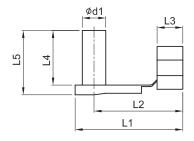


GAS STRUTS - MOUNTING BRACKETS CLEVIS ENDS STEEL



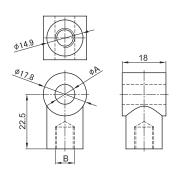


Code	Eye Dia (mm)	Thread T (mm)	L1 Overall (mm)	L2 Offset (mm)	L3 (mm)	a Gap (mm)	b & c (mm)	Max Force (N)	Material / Finish
U7	10.1	M8	52	40	23	10	20	2500	Steel / Zinc
U6	8.1	M8	41	32	16	8	16	2500	Steel / Zinc
U5	6.1	M6	32	25	12	5.8	12	700	Steel / Zinc





Code	Pin Dia (mm)	L2 (mm)	L4 (mm)	Material / Finish
U7-PIN	10	38	23	Steel / Zinc
U6-PIN	8	29.5	19	Steel / Zinc
U5-PIN	6	22	14	Steel / Zinc





Code					Max Force (N)	Material / Finish
T10	10.1	M8	22.5	18	2500	Steel / Zinc
T8	8.1	M8	22.5	18	2500	Steel / Zinc



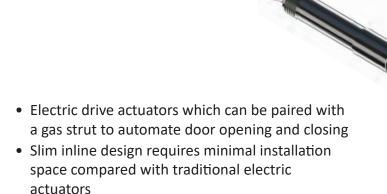








POWERISE ELECTRIC DRIVE ACTUATORS INTRODUCTION







Powerise was introduced in 2002 to automate the passenger doors on the Mercedes-Maybach

- Since 2002, over 50 million units have been produced and used by most vehicle manufacturers, as vehicle door automation has flowed down from luxury class vehicles to mainstream brands
- Today, automated doors are becoming more and more common on boot / trunk doors to assist the user when they have luggage in hand



Automated doors are now common on affordable mainstream vehicles

• The last 20 years of development in Powerise has led to the production of Industrial Series Powerise, "opening the door" for custom design and engineering into other applications and industries, where door automation or other silent motorised adjustment is required...



DOOR LIFTING

POWERISE ELECTRIC DRIVE ACTUATORS INDUSTRIAL SERIES





The new class of electromechanical drives

- Control by external ECU or choose "Smart" models with integrated control of up to four Powerise drives
- Models to suit up to 2500N or 5000N force
- One-click installation or variety of end connections
- Wide range of spindle pitches from 2 30mm
- Self-locking or adjustable with manual override during power failure
- Modular and configurable for each application

Industrial Powerise applications:

- Lifting doors/lids/hatches on industrial machines
- Door opening/closing on vehicles
- Solar tracking
- High window opening/closing
- Glasshouse ventilation
- Robotics
- Medical furniture











- When pairing Powerise with a gas strut, careful specification of the gas strut mounting geometry and force is required to ensure dynamic load compensation (e.g. throughout door rotation).
- Strong door panel and hinge design is required to prevent twisting due to the uneven force loading from side to side (gas strut to Powerise actuator).
- Powerise industrial actuators are best suited for new design and builds, not for retrofitting into existing automotive boot door setups or replacing twin gas strut boot door setups due to space limitations, lengths available and power requirements.



DOOR LIFTING

HATCH STAY LIGHT DUTY STAINLESS STEEL

- Spring stay for lighter weight hatches
- Suitable for marine applications
- Push sideways on tension spring to create bend and close hatch - spring loops down inside closed hatch



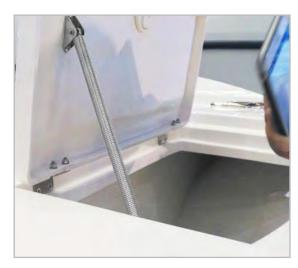




Showing furniture application with lid open



Showing furniture application with lid closed



Showing boat hatch application with lid open

Code	Description	Fixing method
DX316-HS260	260mm long hatch stay	M4 CSK + M5 CSK screws

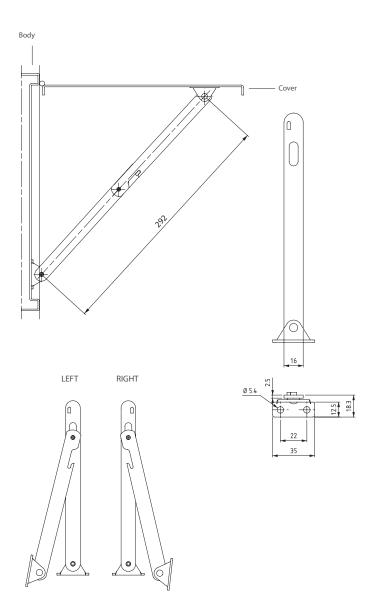


DOOR LIFTING

COVER STAY MILD DUTY STEEL & STAINLESS STEEL

- For light to medium duty applications
- Available to suit left or right hand applications





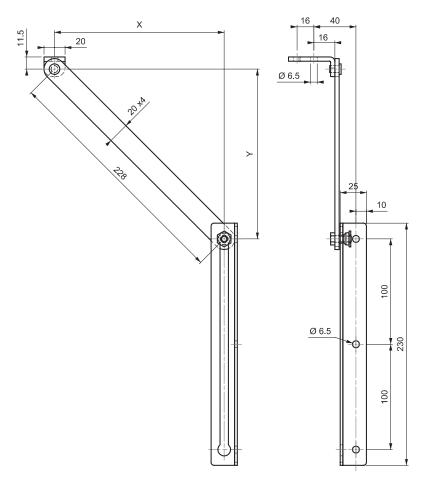
Code	Hed.	Material / Finish	Open Length (mm)
M-079-6-3-292-001	Right	Steel / Zinc	292
M-079-6-3-292-002	Left	Steel / Zinc	292
M-079-4-0-292-001	Right	304 S/Steel	292
M-079-4-0-292-002	Left	304 S/Steel	292



DOOR LIFTING

COVER STAY HEAVY DUTY STEEL & STAINLESS STEEL

- For medium to heavy duty applications
- Automatic lock to keep door open





Opening Angle (°)	Dimensions (mm)		Minimum Door
	X	Υ	Width Required
140	140	180	403
120	120	166	389
110	110	150	373
100	100	146	369

For other opening angles use formula: Y = X + min.40

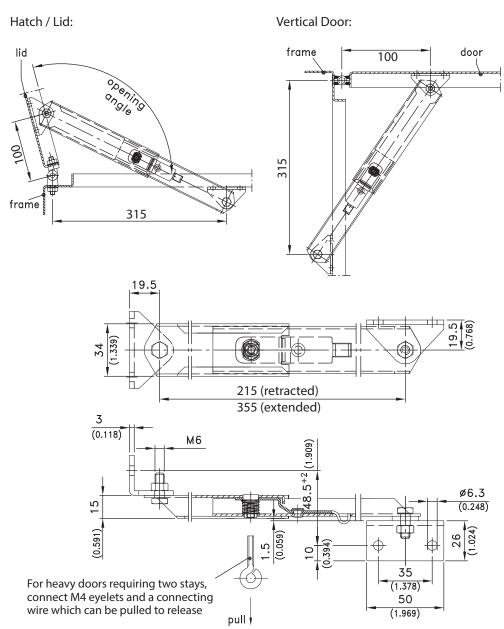
Code	Material / Finish	Open Length (mm)
M-179-6-3	Steel / Zinc	228
M-179-4-0	304 S/Steel	228



DOOR LIFTING

COVER STAY HEAVY DUTY STAINLESS STEEL

- For heavy duty applications
- Telescopic push button release





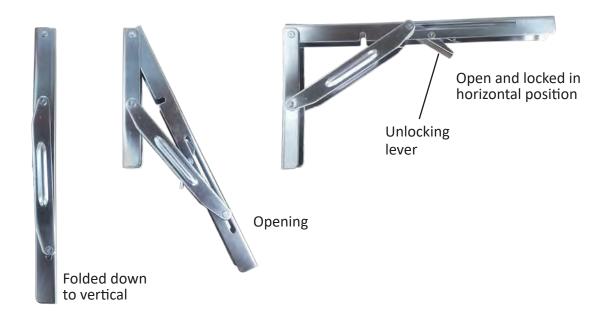
Code	Material / Finish	Open Length (mm)
230-9502-MOD	304 S/Steel	355



DOOR LIFTING

FOLDING TABLE / SEAT BRACKET 316 STAINLESS STEEL

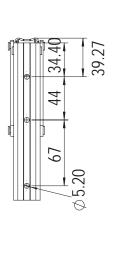
- Folding table / chair bracket
- 150kg Max load per pair
- 90° Rotation, locks in up position only
- 316 Stainless steel

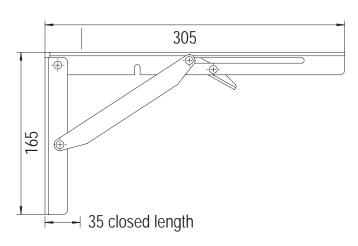


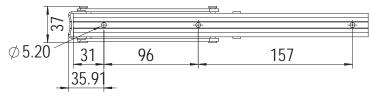


Showing inside

Code	Wall plate (mm)	Table Plate (mm)	Mounting Type
DX316-TB	160H x 24W	300 L x 24W	6x 12G / M5 Screws









DOOR LIFTING

LIFTING EYE BOLTS STEEL

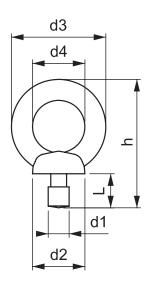
• Creates easy lifting / moving of enclosures, machines and trailer bodies, cages and covers











Code	Thread	Safe Load at	d2	d3	d4	h	L (2020)	Material / Finish
	(mm)	90° (kg)	(mm)	(mm)	(mm)	(mm)	(mm)	
M-2451	M8	140	20	36	20	49	13.0	Steel / Zinc
M-2452	M10	230	25	45	25	63	17.0	Steel / Zinc
M-2453	M12	340	30	54	30	73.5	20.5	Steel / Zinc
M-2455	M16	700	35	63	35	89	27.0	Steel / Zinc



02	L AND T HANDLES	Pages
	L & T Handle Information	2 - 4
	Cabinet T Handles	5 - 6
	Cabinet L Handles	7 - 9
	Cabinet Compression L Handles	10 - 11
	Canopy T Handles	12 - 15
	Canopy Pop-Up T Handles	16 - 18
	Compression Accessory	19
	Refrigerator Door Lock	20

CZ L AND T HANDLES



HANDLE ROTATION EXPLAINED

Left Hand handles are used on doors hinged on the left:



Showing LH T-Handle (Anti-clockwise to open)



Showing LH L-Handle (Clockwise to open)

Right Hand handles are used on doors hinged on the right:



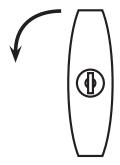
Showing RH L-Handle (Anti-clockwise to open)

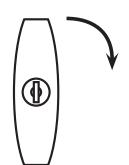


Showing RH T-Handle (Clockwise to open)

THANDLES:

LH opens anti-clockwise

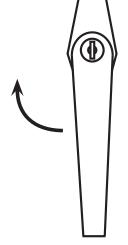


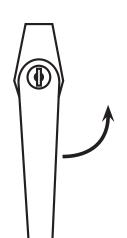


RH opens clockwise

L HANDLES:

LH opens clockwise



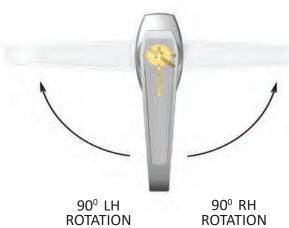


RH opens anti-clockwise

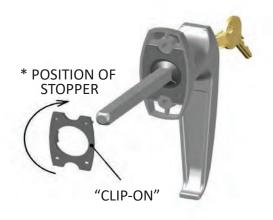
L- AND T-HANDLES

L-HANDLE ROTATION EXPLAINED



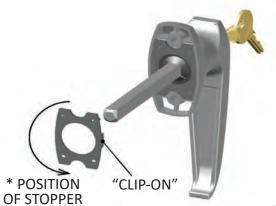


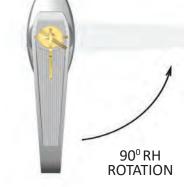
WITHOUT "CLIP-ON"





INSERT "CLIP-ON" AS SHOWN TO GET 90° LH ROTATION



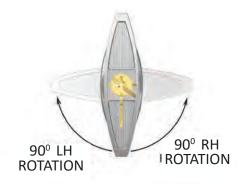


INSERT "CLIP-ON" AS SHOWN TO GET 90° RH ROTATION



T-HANDLE ROTATION EXPLAINED





WITHOUT "CLIP-ON"





FAST CONVERSION TO 90° LH/RH ROTATION BY INSERTING SUPPLIED "CLIP-ON". NO NEED FOR SCREW TO RESTRICT ROTATION



Section 2: 4

L- AND T-HANDLES

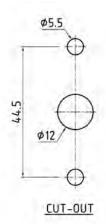
CABINET T-HANDLES ZINC CHROME

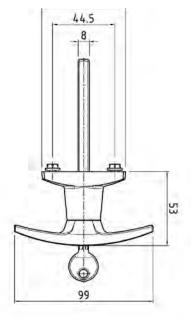
- Rear fixing T-handle
- Universal Rotation (one model does all):
 - 180° Left to Right
 - 90° Left (using clip included)
 - 90° Right (using clip included)
- Variety of key numbers available
- High quality chrome plating
- Zinc Chrome handle
- 8mm Steel Zinc shaft not threaded

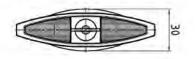
Accessories available:

- 1000-1586 Single point
- 1000-1587 3 point with Rod Adapters
- 1000-1588 3 point without Rod Adapters
- 1000-1592 Internal handle
- **P2535** Emergency internal handle
- 1000-1589-1200E 2x rods + 3 point cam









Code	Key Number
ABTU00B	Non Locking
ABTU01B	CL001
ABTU02B	92268
ABTU07B	CL003
ABTU11B	144



L- AND T-HANDLES

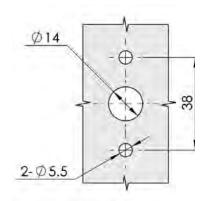
SMALL CABINET T-HANDLES ZINC CHROME

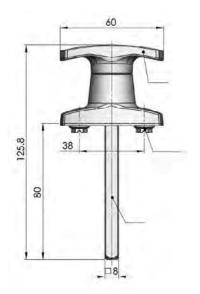
- Rear fixing T-handle
- Universal Rotation (one model does all):
 - 180° Left to Right
 - 90° Left (adjust screw at rear)
 - 90° Right (adjust screw at rear)
- Variety of key numbers available
- · High quality chrome plating
- Zinc Chrome handle
- 8mm Steel Zinc shaft not threaded

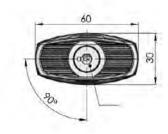
Accessories available:

- 1000-1586 Single point
- 1000-1587 3 point with Rod Adapters
- 1000-1588 3 point without Rod Adapters
- 1000-1592 Internal handle
- **P2535** Emergency internal handle
- 1000-1589-1200E 2x rods + 3 point cam









Code	Key Number	Rotation	Shaft Type, Length
MS314-2	Non Locking	90 Degrees	Non Threaded, 45mm
MS314-2-TS	Non Locking	90 Degrees	M10 Threaded, 45mm
MS314-2-1	Non Locking	90 Degrees	Non Threaded, 80mm
MS314-1	92268	90 Degrees	Non Threaded, 45mm
MS314-1-TS	92268	90 Degrees	M10 Threaded, 45mm
MS314-1-1	92268	180 Degree	Non Threaded, 80mm



L- AND T-HANDLES

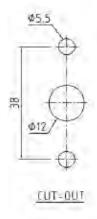
CABINET L-HANDLES ZINC CHROME

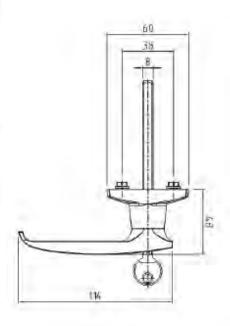
- Rear fixing L-handle
- Universal Rotation (one model does all):
 - 180° Left to Right
 - 90° Left (using clip included)
 - 90° Right (using clip included)
- Variety of key numbers available
- · High quality chrome plating
- Zinc Chrome handle
- 8mm Steel Zinc shaft not threaded

Accessories available:

- 1000-1586 Single point
- 1000-1587 3 point with Rod Adapters
- 1000-1588 3 point without Rod Adapters
- 1000-1592 Internal handle
- **P2535** Emergency internal handle
- 1000-1589-1200E 2x rods + 3 point cam









Code	Key Number
ABLU01B	CL001
ABLU02B	92268

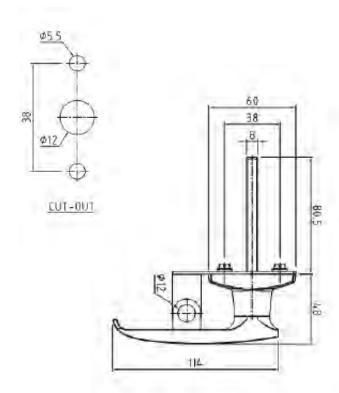


CABINET L-HANDLES PADLOCKABLE ZINC CHROME

- Rear fixing L-handle
- Universal Rotation (one model does all):
 - 180° Left to Right
 - 90° Left (using clip included)
 - 90° Right (using clip included)
- Variety of key numbers available
- High quality chrome plating
- Zinc Chrome handle
- 8mm Steel Zinc shaft not threaded
- Stainless steel padlock bracket



- 1000-1586 Single point
- 1000-1587 3 point with Rod Adapters
- 1000-1588 3 point without Rod Adapters
- 1000-1592 Internal handle
- P2535 Emergency internal handle
- 1000-1589-1200E 2x rods + 3 point cam







Code	Door Hinge	Shaft Typer, Length
MS315-2-A-Y-RH	Right Hand (Anti-clockwise unlock)	Non-Threaded, 80mm
MS315-2-A-Z-LH	Left Hand (Clockwise unlock)	Non-Threaded, 80mm

Padlock Bracket Only:

	,
Code	Door Hinge
MS315-2A-Y-SS	Right Hand
MS315-2A-Z-SS	Left Hand

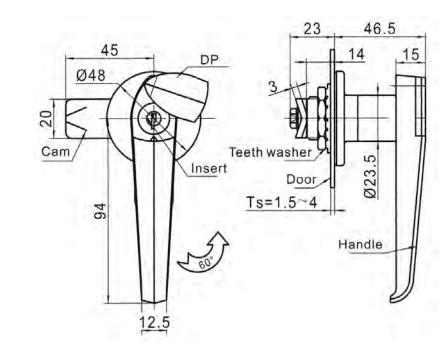


CABINET L-HANDLE ZINC CHROME

- Rear fixing L-handle
- Left or Right hand
- Keyed K05
- Dust cover
- High quality chrome plating
- Zinc Chrome handle

Accessories available:

• 200-04## Single point cam





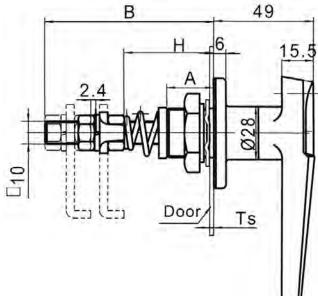
Code	Key Code
MS317	Keyed K05



CABINET L-HANDLE KEY LOCKING COMPRESSION ZINC CHROME

Ø8.5 Cut out

- Rear fixing compression L-handle
- Keyed K05
- Dust cover
- Fits door panel up to 8mm
- High quality chrome plating
- Zinc Chrome handle
- Cam Grip "H" = 45-58mm
- Cam Length = 45mm



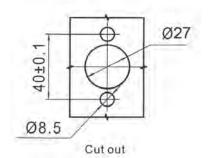


Code	Handedness	"A" (mm)	"B" (mm)
MS807-1-Y-ZINC	Right hand	23	83
MS807-1-Z-ZINC	Left hand	23	83

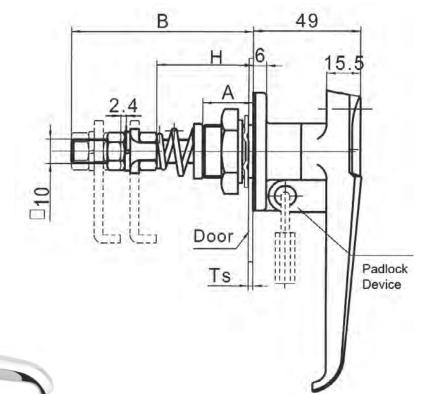


L- AND T-HANDLES

CABINET L-HANDLE KEY LOCKING PLUS PADLOCKABLE COMPRESSION ZINC CHROME



- Rear fixing compression L-handle
- Keyed K05 + Padlockable
- Dust cover
- Fits door panel up to 8mm
- High quality chrome plating
- Zinc Chrome handle
- Cam Grip "H" = 45-58mm
- Cam Length = 45mm



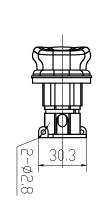


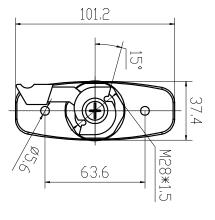


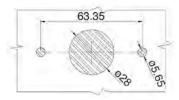
L- AND T-HANDLES

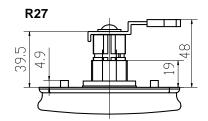
R27 CANOPY TWIST T-HANDLES ZINC BLACK

- New low profile twist T handles for hard lids, canopies, trailer doors.
- 45 degree handle rotation with spring return
- 50 unique key numbers available
- Hex lock nut plus two locking screw mounts for higher security
- Options of cams to suit either cables or rods to actuate rotary or slam latches
- Black powder coated finish
- Customisable get your own logo on the handle



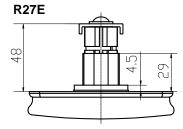








R27 with **R27-CAM-CAB**Up to 10mm thick door, rear fixing screws





R27EUp to 19mm thick door, front fixing holes





Code	Description	Screw Mounting
R27	Twist T Handle only, suits 10mm panel thickness	Lock nut + Rear screws
R27E	Twist T Handle with 2 point cable cam (without internal release lever) suits 19mm panel thickness.	Lock nut + Front screws

Contact us to get your logo on the handle

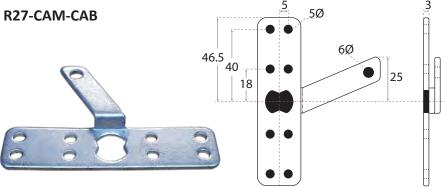


R27 CANOPY TWIST T-HANDLES ACCESSORIES





R27-GASK-4 (Note: the gasket is assymetrical, so only fits one way around)





R27-CAM-ROD

R27-CABLE15

Code	Description	Compatible with
R27-CAM-CAB	Two point cam to suit cables, with internal release lever	R27-CABLE15, RL-CABLE-3 + RL-G-20S-HD
R27-CAM-ROD	Two point cam to suit rod + spring loaded latch	ROD1000E + 229-9001
R27-GASK-4	4mm thick gasket for uneven mounting surfaces	e.g. Treadplate doors
R27-CABLE15	1.5m wire cables to suit R27-CAM-CAB	229-9001, BURST404ER

Showing R27E with R27-CABLE15 cables and 229-9001 slam latches - closed position



Showing R27E with R27-CABLE15 cables and 229-9001 slam latches - open position



L- AND T- HANDLES

L- AND T-HANDLES

R27 CANOPY TWIST T-HANDLES SETUP EXAMPLES

Below shows R27 handle with R27-CAM-ROD suitable for use with rods and 229-9001 spring loaded latch

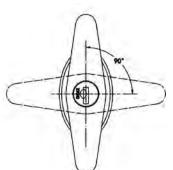


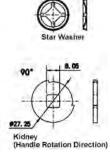
Below shows **R27E** handle with its cable cam and **R27-CABLE15** cables which can actuate a variety of different latch options: **BURST404ER** rotary latches, **229-9001** slam latches, or **RL-G-20S-HD** electronic latch (central locking)

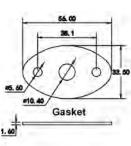


L- AND T-HANDLES

CANOPY T-HANDLE FIXED TYPE ZINC BLACK



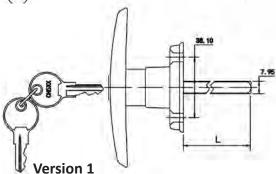




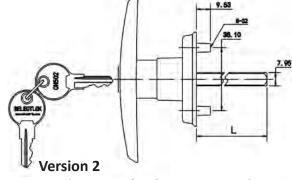
- Front or rear fixing T-handle
- Low profile for automotive (canopy) use
- Many key numbers available
- Black powder coated finish
- 8mm Steel Zinc shaft not threaded: 50mm or 100mm long options



- 1000-1586 Single point cam
- 1000-1587 3 point cam with rod adapters
- 1000-1588 3 point cam without rod adapters
- P2535 Emergency internal handle
- 1000-1589-1200E 3 point cam + 2 rods



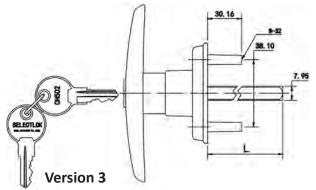
Exterior Mounting Screws: 5.6mm Ø Through Hole



Interior Mounting Screws: M5 x 10mm Female Thread



Showing AL-T303L-R##BF Version 1 with 50mm shaft



Interior Mounting Screws: 8-32 x 30mm Female Thread

Code	Version (See Diagram)	Screw Mounting	Square Shaft Length (L)	Key Number
AL-T303L-R##BF	1	Front	50mm	Replace "##" in code
AL-T303L-R##BF-100	1	Front	100mm	with key number required:
AL-T307L-R##B-1050	2	Rear 10mm (M5)	50mm	CH501, CH502, CH503
AL-T307L-R##B-30100	3	Rear 30mm (UNC)	100mm	CH510

F-PPM-8-32X5/8-SS screws available to suit rear fixing handles with imperial thread

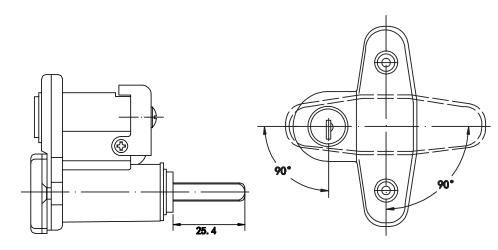
L- AND T-HANDLES

CANOPY T-HANDLE POP UP ZINC BLACK

- Pop up rear fixing T-Handle
- Flush profile for automotive (canopy) use
- Rubber sealing gasket
- Many key numbers available
- Black powder coated finish
- 8mm Steel Zinc shaft not threaded: 25mm long

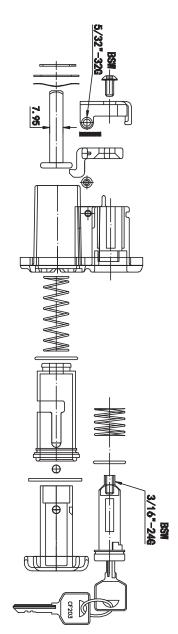


- 1000-1586 Single point
- 1000-1587 3 point with Rod Adapters
- 1000-1588 3 point without Rod Adapters
- 1000-1589-1200E 2x rods + 3 point cam



Code	Key Code	Direction To Open
T302L-CF203	CF203	CCW
T302L-CF204	CF204	CCW
T302L-CF205	CF205	CCW
T302L-CF206	CF206	CCW
T302L-CF207	CF207	CCW
T302L-MIXED-CW	MIXED	CW



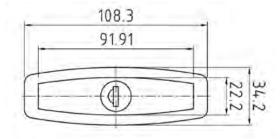




L- AND T- HANDLES

L- AND T-HANDLES

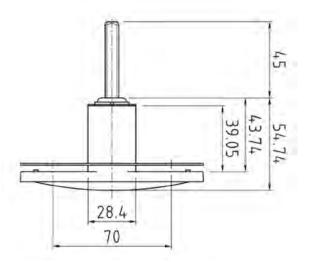
CANOPY T-HANDLE POP UP ZINC BLACK



- Pop up front fixing T-Handle
- Flush profile for automotive (canopy) use
- Rubber sealing gasket
- Black powder coated finish
- 8mm Steel Zinc shaft not threaded: 45mm long

Accessories available:

- 1000-1586 Single point
- 1000-1587 3 point with Rod Adapters
- 1000-1588 3 point without Rod Adapters
- 1000-1592 Internal handle
- **P2535** Emergency internal handle
- 1000-1589-1200E 2x rods + 3 point cam



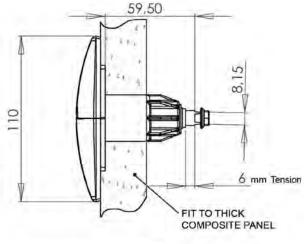


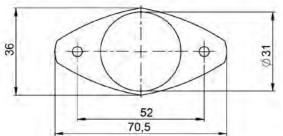


L- AND T-HANDLES

CANOPY T-HANDLE POP UP PLASTIC BLACK

- Pop up front fixing compression T-Handle
- Flush profile for automotive (canopy) use
- H-Dimension = 59.5mm
- Rubber sealing gasket
- Polyamide handle black
- Steel Zinc cam







Code	Description
2007-2054-840	Handle
4309-Z000-8001	Key Barrel
4310-Z000-8001	Кеу
200-0418-07-07101	Cam straight (no step)

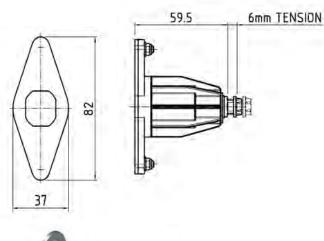


L- AND T- HANDLES

L- AND T-HANDLES

COMPRESSION ACCESSORY ZINC BLACK

- Rear fixing
- 6mm compression action on closing and opening
- Suitable for use with most T-handles, L-handles swing handles, quarter turns
- · Zinc black and steel zinc shaft
- Use with adjustable cam or single point cam (various 'H' dimensions available)





Code	Description
PI5124	Compression accessory



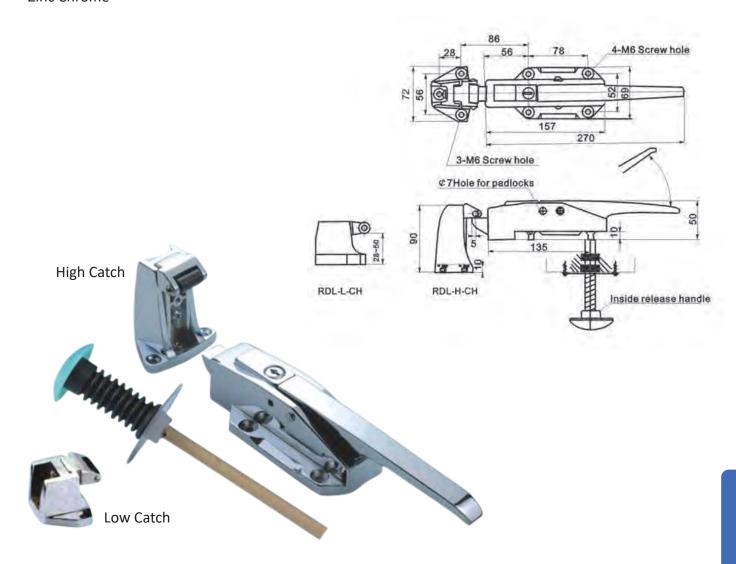




L- AND T-HANDLES

REFRIGERATOR DOOR LOCK

- Minimal force required to pull handle
- Internal push button release for safe, easy, quick exit
- Can be used for right-hand & left hand door
- Reliable, self-closing action, providing positive air-tight closure
- Two strike options for inline and offset door and frame
- · Adjustable solid head strike
- Zinc Chrome



Code	Catch Height	Material / Finish
RDL-H-CH	High - Offset door / frame	Zinc / Chrome
RDL-L-CH	Low - Inline door / frame	Zinc / Chrome



LOCKING ACCESSORIES	Pages
Single Point Cams	2
Three Point Cams For Eyelet Rods	2
Eyelet Locking Rods & Pins	3
Three Point Locking Kit	4
Spring Loaded Snib Slam Catches	5
Three Point Cams For Roller Rods	6
Adaptors For Roller Rods	6
Roller Rods	7
Guides To Hold Rods In Position On Door	8
Rotary (Burst) Latches	9
Extension For M10 8mm Square Shafts	10
Internal Handle To Fit 8mm Square Shafts	10
Flat Rod Setup	11



SINGLE POINT CAMS FOR 8mm SHAFT ZINC



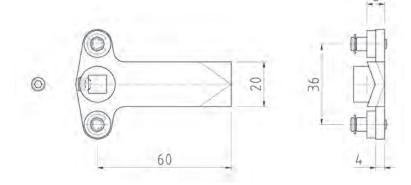
- Suits 8mm square shaft
- Adjustable cam height ("grip")
- Grub screw fastening
- Zinc

Code	CL (mm)	Material
1000-1585	45	Zinc
1000-1584	68	Zinc / Chrome
1000-1586	68	Zinc

THREE POINT CAMS FOR 8mm SHAFT SUIT EYELET RODS

ZINC

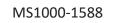
- Suits 8mm square shaft
- Adjustable cam height ("grip")
- Suits eyelet rods
- Solid boss
- · Grub screw fastening
- Zinc or 304 stainless steel



Code	CL (mm)	Material
1000-1588	60	Zinc
MS1000-1588	60	Zinc
1000-1588-SS	60	304 S/Steel



1000-1588

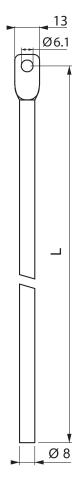




LOCKING ACCESSORIES EYELET RODS

- 8mm diameter rods
- Suit 1000-1588 cams
- Many different lengths available
- Mild Steel / Zinc or 304 Stainless Steel
- Suitable for use with three point cams & Folding T Handles









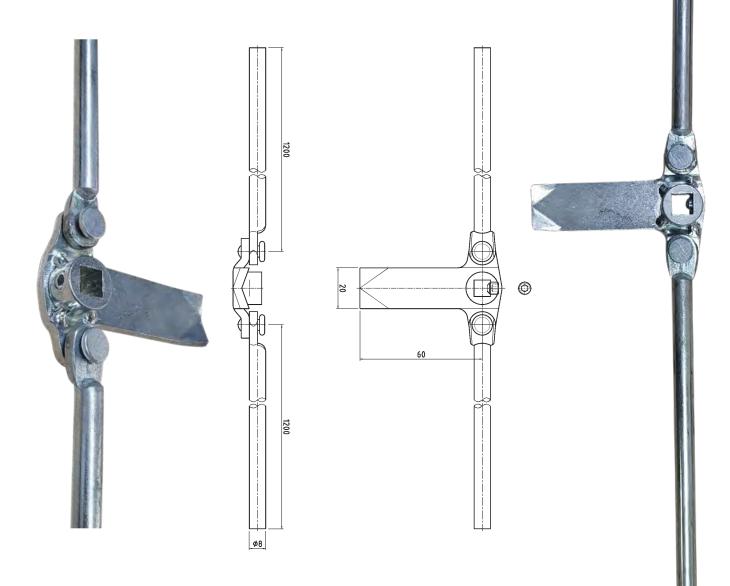


Pin & clip to secure eyelet rods

10502-PIN

THREE POINT CAM AND ROD KIT FOR 8mm SHAFT ZINC

- 1000-1588 cam + ROD1200E rods pre-assembled
- Suits 8mm square shaft on swing handles, L- and T-handles
- Adjustable H-Dimension
- Solid boss with grub screw fastening
- Suits doors up to 2400mm high (cut rods to required length)
- Steel / Zinc



Code	Description	Material / Finish
1000-1589-1200E	3 point locking kit	Steel / Zinc



SPRING LOADED SLAM LATCH ZINC

- · Spring loaded slam latches
- Use rods or cables to retract the slam snib
- Fabricate a strike plate (e.g. angle or flat bar) for the slam snib to latch behind when door closed
- Slam function makes doors easier to use than doors with locking rods only:
 - When using rods only the handle has to be rotated to unlock position to close the door, otherwise rods will hit the door jam and damage cladding (e.g. ACM).
 - With spring loaded slam latches the door can be closed regardless of handle state (locked / unlocked).
- Steel zinc



Code	Description	Material / Finish
229-9001	Spring loaded slam latch	Steel / Zinc
229-9001-0523	Spring loaded slam latch	Steel / Zinc
229-9001-0523-C	Spring loaded slam latch with curved tail	Steel / Zinc



THREE POINT CAMS FOR 8mm SHAFT FOR ROLLER TIP RODS

- Suits 8mm square shaft; Swing Handles, L- and T-handles
- Rod adaptors fit 8mm Dia rods
- Solid boss with grub screw fastening for adjustable H-Dimension
- Steel / Zinc or 304 stainless steel



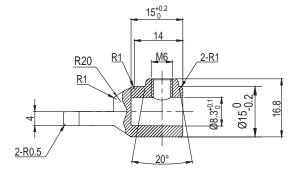
Code	Description	Material / Finish
1000-1587	3 point cam with rod adaptors	Steel / Zinc
1000-1587-SS	3 point cam with rod adaptors	304 S/Steel

69

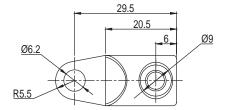
ROD ADAPTOR EYELET END

- For 8mm diameter rods
- Grub screw fastening
- Zinc or 304 stainless steel





Code	Description	Material / Finish
RODADAPT	Rod adaptor	Steel / Zinc
RODADAPT-SS	Rod adaptor	304 S/Steel



Ø16

ROLLER END

- For 8mm diameter rods
- Zinc Body
- Polyamide Roller



Code	Description	Material
RG007	Roller End	Zinc / Polyamide





DOUBLE ROLLER TIP RODS

- 8mm diameter rod
- Various lengths available
- Zinc or 304 stainless steel

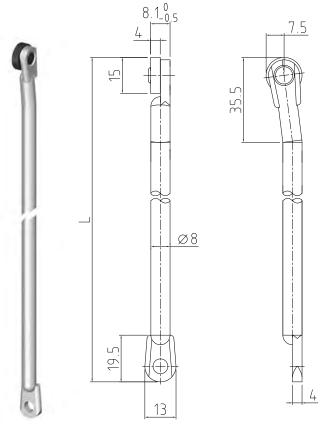
Code	Length	Material / Finish
ROD400R	400mm	Steel / Zinc
ROD600R	600mm	Steel / Zinc
ROD700R	700mm	Steel / Zinc
ROD800R	800mm	Steel / Zinc
ROD850R	850mm	Steel / Zinc
ROD900R	900mm	Steel / Zinc
ROD1000R	1000mm	Steel / Zinc
ROD1100R	1100mm	Steel / Zinc
ROD1200R	1200mm	Steel / Zinc
ROD600RSS	600mm	304 S/Steel
ROD700RSS	700mm	304 S/Steel
ROD800RSS	800mm	304 S/Steel
ROD900RSS	900mm	304 S/Steel
ROD1000RSS	1000mm	304 S/Steel
ROD1100RSS	1100mm	304 S/Steel
ROD1200RSS	1200mm	304 S/Steel



SINGLE ROLLER TIP ROD

- 8mm diameter rod
- Single roller
- Zinc

Code	Length	Material
ROD251.5EE	251mm	Zinc

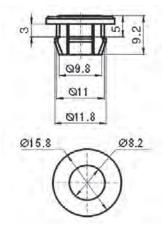




ROD GUIDE CLIP THROUGH PANEL

- Clip through up to 3mm thick panel
- Suits up to 3mm panel and 8mm Dia rod
- Nylon



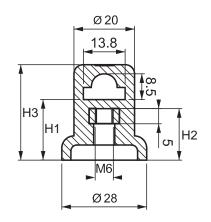


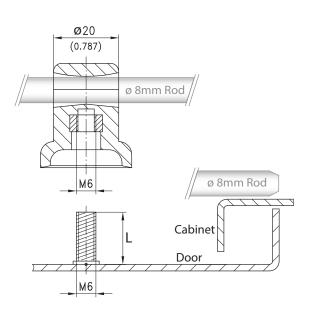
Code	Description
RG008	Through Panel Rod Guide

ROD GUIDE SURFACE MOUNT SCREW ON

- Require M6 weld stud on inside of door for mounting
- Rod guide / standoff for 8mm round rod
- Polyamide
- We stock M6 threaded weld studs in steel, aluminium and 304 S/steel to suit door material







Code	H1 Rod Latching Offset to Mounting Surface (mm)	H3 Overall Height (mm)	H2 Weld Stud Screw Length (mm)
RG020	20	32	16
RG024	24	36	25
RG026	26	38	25
200-3625.51	26	38	20
RG028	28	40	25

F-WS-M6xXX-###

M6 Weld stud. Add Screw length required: XX(mm). Add code suffix ##: CC=Copper Coated Steel, SS=304S/steel, ALI=Aluminium

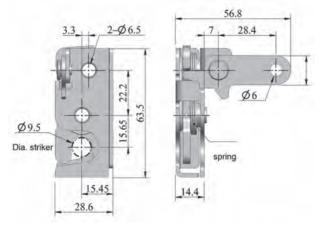


ROTARY (BURST) LATCHES

- Can be actuated by cables, rods, or motorised device (e.g. solenoid, actuator)
- Two stage action
- 2x 6.50mm mounting holes
- Strike bolt upon request
- Two-stage action
- Zinc plated steel, interlube internal parts
- Many different models available with different arm configurations, cable attachments, etc







BURST401EL

BURST401ER



BURST404ER

Code	Description	Actuation
BURST401EL*	Burst latch - left actuator	Pull lever towards latch
BURST401ER*	Burst latch - right actuator	Pull lever towards latch
BURST404ER*	Burst latch - top actuator	Pull lever away from latch

^{*}Special order product

ELECTRONIC ROTARY (BURST) LATCHES

• See Section 19: 3-4 for electronic rotary latch options



RL-CABLE-2

RL-SOL-20S-HD

Strike bolt included



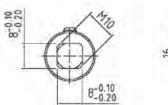
SHAFT EXTENSION FOR M10 8mm SQUARE SHAFT

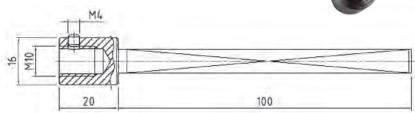
• Extension for M10 threaded 8mm square shafts

 Grub screw secures shaft extension onto another M10 threaded 8mm square shaft

• Suits swing handles

• Steel / Zinc





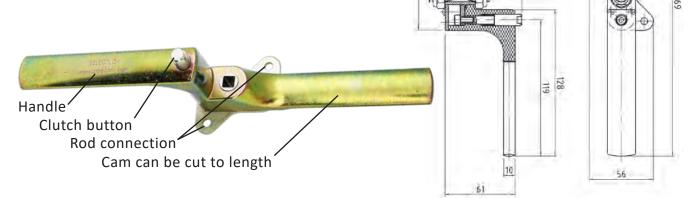
Code	Description
PI5270	8mm Square threaded shaft extension

EMERGENCY HANDLE

THREE POINT CAM & INTERNAL HANDLE

LOCK OVERRIDE CLUTCH MECHANISM

- Single or three point locking compatible
- Push button clutch disengages square shaft and enables three point unlocking from inside door
- Suits 8mm square shaft: L- and T-handles
- · Very heavy duty construction
- Steel / Zinc

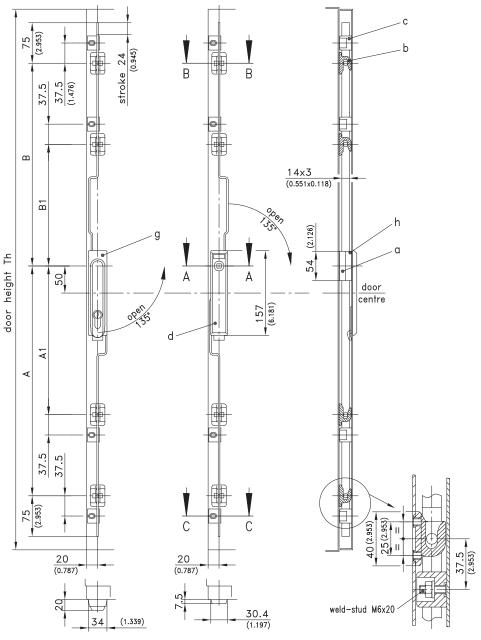


Code	Description
P2535	Lock override handle & 3 Point Locking Cam with Clutch Mechanism



FLAT ROD SETUP

Use with Dirak Swing Handles, T-Handles, L-Handles, or Insert Drive type plates



Code	Description	Door Height
208-9101	Flat Rod Control. L/H or R/H Doors	800 - 1200mm
208-9802	Flat Rod Control. L/H or R/H Doors	1900 - 2200mm







04	PULL HANDLES	Pages
	Rear Fixing Handle With Female Thread	2 - 4
	Rear Fixing Handle With Male Thread	5
	Fold Down Rear Fixing Handle With Male Thread	5
	316SS Marine Handles	6
	Cut To Length Aluminium Handle	7
	Plastic Front Fixing Handles	7 - 8
	Rear Fixing Aluminium Handle With Female Thread	9
	Heavy Duty Plastic & Rubber Handles	9 - 10
	Drop Down Chest Handle Spring Loaded	11
	Drop Down Chest Handle No Spring	11
	Plastic Recessed Handles	12 - 13
	316SS Fold Down T Pull Handle	14
	316SS Slam Latch	14
	Refrigerator Door Handle	15

OH PULL HANDLES

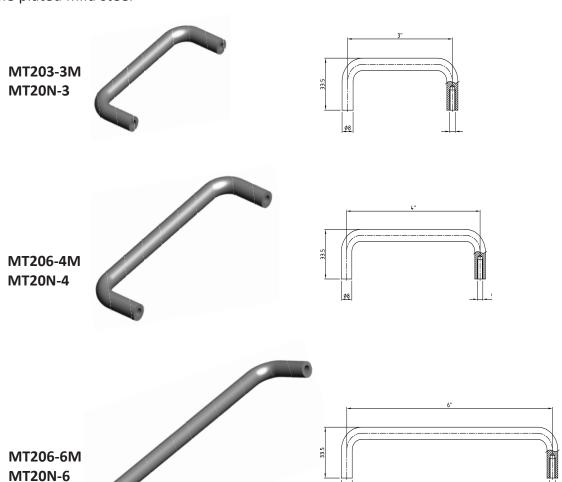


REAR FIXING HANDLES (FEMALE THREAD)

MILD STEEL



- Affordable alternative to brass / stainless steel
- Three sizes (mounting centres)
- Metric and imperial mounting thread options
- High quality chrome plating
- Chrome plated mild steel



Code	Mounting Centre Distance (mm)	Mounting Screws
MT203-3M	76	2x 5/32" BSW Threads
MT206-4M	102	2x 5/32" BSW Threads
MT206-6M	152	2x 5/32" BSW Threads
MT20N-3	76	2x M5 Threads
MT20N-4	102	2x M5 Threads
MT20N-6	152	2x M5 Threads



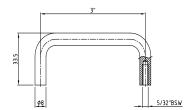
REAR FIXING HANDLES (FEMALE THREAD)

BRASS

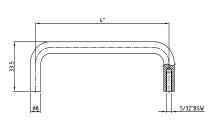
- Slim 8mm diameter pull handles
- Suitable for outdoor applications
- Three sizes (mounting centres)
- High quality chrome plating
- Chrome plated Brass



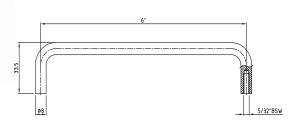












Code	Mounting Centre Distance (mm)	Mounting Type
MT203-3	76	2x 5/32" BSW Threads
MT206-4	102	2x 5/32" BSW Threads
MT206-6	152	2x 5/32" BSW Threads

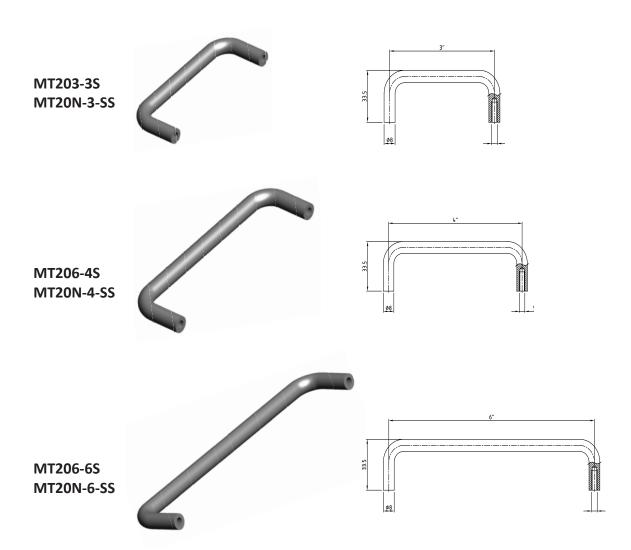


REAR FIXING HANDLES (FEMALE THREAD)

STAINLESS STEEL

- Slim 8mm diameter pull handles
- Suitable for outdoor applications
- Three sizes (mounting centres)
- Metric and imperial mounting thread options
- Polished 304 Stainless steel





Code	Mounting Centre Distance (mm)	Mounting Type
MT203-3S	76	2x 5/32" BSW Threads
MT206-4S	102	2x 5/32" BSW Threads
MT206-6S	152	2x 5/32" BSW Threads
MT20N-3-SS	76	2x M5 Threads
MT20N-4-SS	102	2x M5 Threads
MT20N-6-SS	152	2x M5 Threads



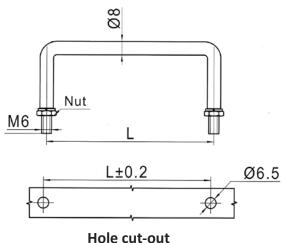
REAR FIXING HANDLES (MALE THREAD)

STEEL OR STAINLESS STEEL

- Slim 8mm diameter pull handles
- Stud fixing with M6 nut
- Three sizes (mounting centres)
- Chome plated steel or 304 Stainless steel
- High quality chrome plating



Code	Mounting Centre Distance (mm)	Material / Finish
LS507-75	75	Steel / Chrome
LS507-100	100	Steel / Chrome
LS507-150	150	Steel / Chrome
LS507-S75	75	304 S/steel / Polished
LS507-S100	100	304 S/steel / Polished
LS507-S150	150	304 S/steel / Polished



REAR FIXING HANDLE (MALE THREAD)

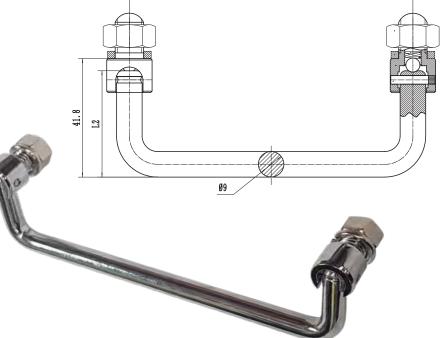
FOLD DOWN STEEL



• Stud fixing with M10 nut & washer

Chome plated steel

• High quality chrome plating



Code	Material / Finish	Mounting Centres (mm)	Mounting Type
PL004-5	Steel / Chrome	149	2x M10 Studs

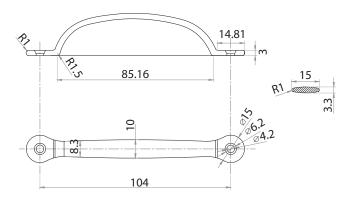
PULL HANDLES

FRONT FIXING HANDLES (HOLES) MARINE GRADE 316 STAINLESS STEEL

- Beautifully finished, architectural, strong handles
- Suitable for marine applications
- 316 Stainless steel

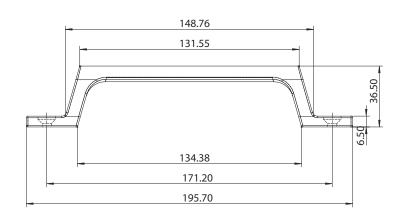


DX316-H-119X15





DX316-H-196X25



Code	Overall (mm)	Finger Gap (mm)	Mounting Type
DX316-H-119X15	119L x 26H x 15W	21	2x 6G CSK Screws
DX316-H-196X25	196L x 37H x 25W	27	2x 10G CSK Screws



25.60

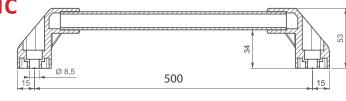
 $\overrightarrow{\phi}$ 5.50 ϕ 10.50

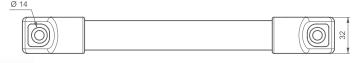
FRONT FIXING HANDLE (HOLES)

CUT TO LENGTH

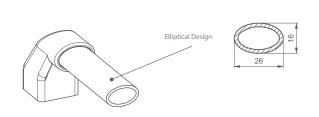
ANODISED ALUMINIUM / PLASTIC

- Cut aluminium tube to length
- Suitable for outdoor applications
- Ergonomic eliptical shape
- Matt anodised aluminium & polyamide
- 14mm diameter mounting holes



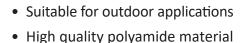




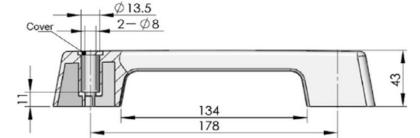


Code	Mounting Centres (mm)	Mounting Type
M-287-500	500mm	2x M8 Cap screw

FRONT FIXING HANDLE (HOLES) PLASTIC



• Corrosion free





Code	Mounting	Centres (mm)	Mounting Type
LS521-E	BLK	178	2x M8 Screws

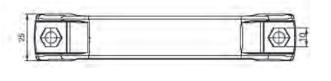


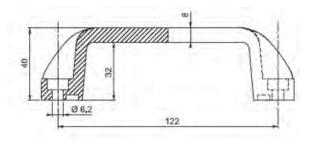
PULL HANDLES

FRONT FIXING HANDLE (HOLES)

- **PLASTIC**
- Suitable for outdoor applications
- High quality polyamide material polyamide
- Corrosion free





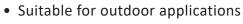


Code	Material / Finish	Mounting Type
M-086-1	Polyamide / Black	2x M6 Hex set screw

FRONT FIXING HANDLE (HOLES)



• Corrosion free



• High quality polyamide material

• Hinged clip in screw covers



12	-137 <u>*</u> §	
HINGED CLIP SO	REW COVER	25
	Managara	
	102	29
	170	

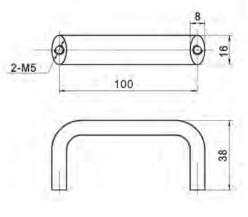
Code	Material / Finish	Mounting Type
PHP20	Polyamide / Black	2x M6 Hex set screw



REAR FIXING HANDLE (FEMALE THREAD) ALUMINIUM

• Black powder coated aluminium handle



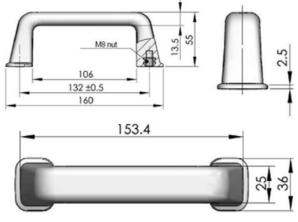


Code	Mounting Centres (mm)	Mounting Type
LS516-100-BLK	100	2x M5 threads

REAR FIXING HANDLE (FEMALE THREAD) HEAVY DUTY PLASTIC

- Heavy duty Black polypropylene
- Moulded nut thread





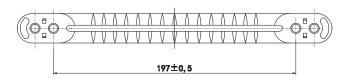
Code	Mounting Centres (mm)	Mounting Type
LS505-BLK	132	2x M8 screws



FRONT FIXING HANDLE (HOLES) HEAVY DUTY REINFORCED PLASTIC

254. 5

- High quality polyamide material
- Steel reinforced mounting holes



 $\bigcirc \bigcirc \bigcirc$



Code	Mounting Centres (mm)	Mounting Type
CH301	132	4x M8 screws

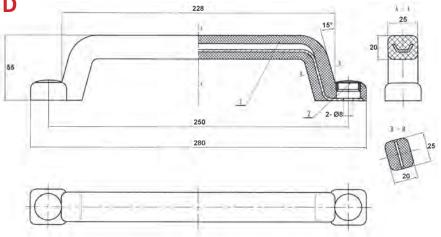
REAR FIXING HANDLE (HOLES)

HEAVY DUTY REINFORCED

RUBBER

• High quality polyamide material

• Steel reinforced through handle





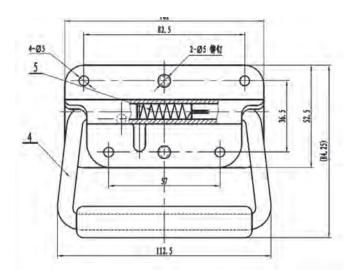
SHICNAH III

PULL HANDLES

DROP CHEST HANDLE (HOLES) SPRING LOADED STEEL

Spring loaded fold down chest handle



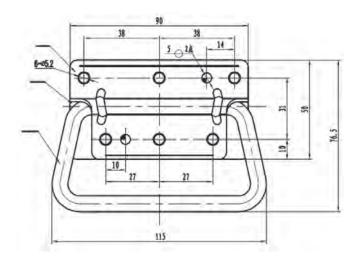


Code	Description	Material
196510	Spring loaded chest handle	Steel Zinc

DROP CHEST HANDLE (HOLES) WITHOUT SPRING STAINLESS STEEL

Fold down chest handle (no spring)



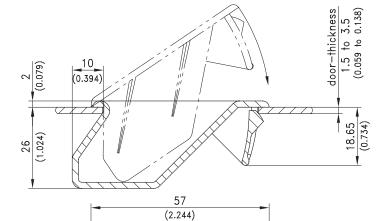


Code	Description	Material
196520-S	Drop chest handle (no spring)	304 S/Steel



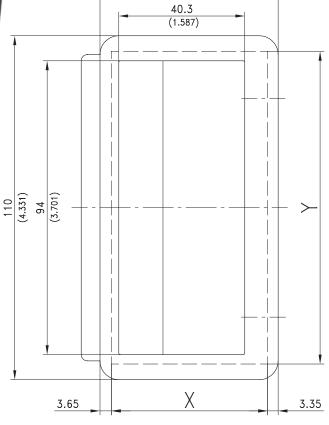
PULL HANDLESRECESSED HANDLE (CLIP IN) PLASTIC

- Flush finish recessed carry handle
- High quality polyamide material
- Corrosion free
- Multi-fit 1.5-3.5mm panel thickness (simply alter cut-out height)





Code	Color
213-0705.51	Black





Panel thickness	Cut-out Dimensions Required (mm)	
(mm)	X	Υ
1.5 - 2.0	49.6 + 0.2	100 - 0.5
2.0 - 3.2	50.3 + 0.3	100 - 0.5
3.2 - 3.5	51.0 + 0.3	100 - 0.5

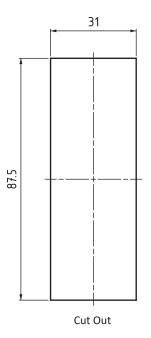


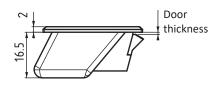
PULL HANDLESRECESSED HANDLE (CLIP IN) PLASTIC

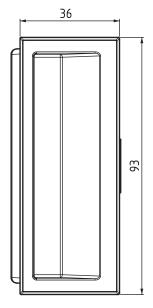
- Flush finish recessed carry handle
- High quality polyamide material
- Corrosion free
- Two models to cover 1.0-2.2mm panel thickness



Code	Panel thickness (mm)	Color
M-274-1-15	1.0 - 1.4	Black
M-274-1-22	1.5 - 2.2	Black





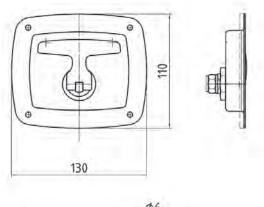


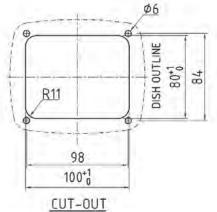


RECESSED FOLDING T PULL HANDLE (HOLES) STAINLESS STEEL

- Fold away recessed / flush handle
- New modern design comfort handle
- Stainless steel dish (mirror-like finish)
- Heavy duty construstion
- 128.5mm High x 130mm Wide
- 304 S/Steel Dish, Zinc Chrome handle







Code	Description	Material
10502-PULL-N	Folding T pull handle	304 S/Steel & Zinc Chrome

NON-LOCKING PULL SLAM LATCH MARINE GRADE 316 STAINLESS STEEL

- Spring loaded handle and snib pull handle to open door
- 316 Stainless steel suitable for use in marine environments



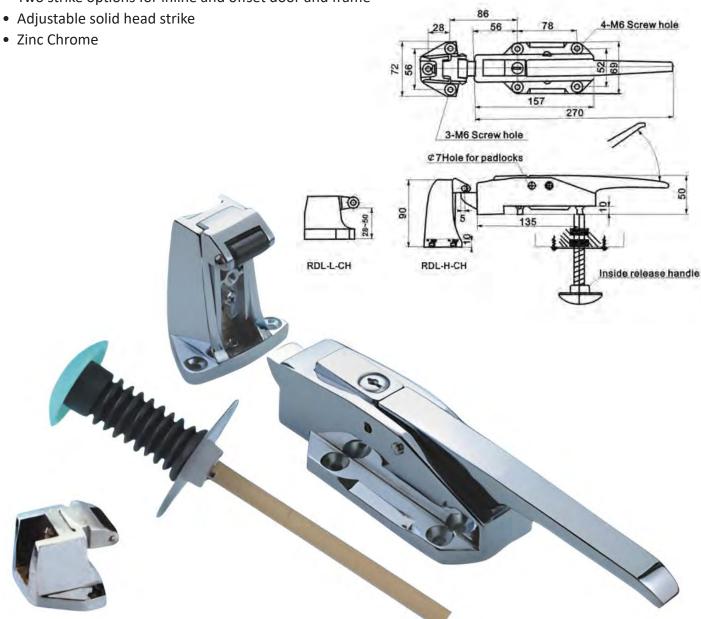


Code	Description	Material
DX316-SLAM	Non-locking slam latch	316 S/Steel



REFRIGERATOR DOOR SLAM LOCK

- Minimal force required to pull handle
- Internal push button release for safe, easy, quick exit
- Can be used for right-hand & left hand door
- Reliable, self-closing action, providing positive air-tight closure
- Two strike options for inline and offset door and frame



Code	Catch Height	Material / Finish
RDL-H-CH	High - Offset door / frame	Zinc / Chrome
RDL-L-CH	Low - Inline door / frame	Zinc / Chrome



05	SWING HANDLES	Pages
	Overview Of Swing Handles	2
	Eselon Series Economy Key Locking Swing Handles	3
	Eselon Series Half Euro Profile Cylinder Swing Handles	4
	Eselon Series Padlockable Swing Handles	5 - 7
	Millenium Series Non-Locking Swing Handle	8
	Millenium Series Economy Key Locking Swing Handles	9
	Millenium Series Half Euro Profile Cylinder Swing Handles	10
	Millenium Series Padlockable Swing Handles	11 - 12
	A-Series Padlockable Swing Handles	13 - 14
	Dirak Half Euro Profile Swing Handles	15 - 16
	316 Stainless Steel Half Euro Profile + Padlockable Swing Handles	17
	High Security Key Locking Spring Loaded Small Swing Handles	18
	Mini Slim Plastic Swing Handle	19
	Small Padlockable Swing Handles	20 - 21
	Small Non-Locking Plastic Swing Handle	22
	Recessed Mounting Dish For Swing Handles	23
	Central Locking Kit For Swing Handles	24
	40mm Half Euro Profile Cylinders	25

OS SWING HANDLES



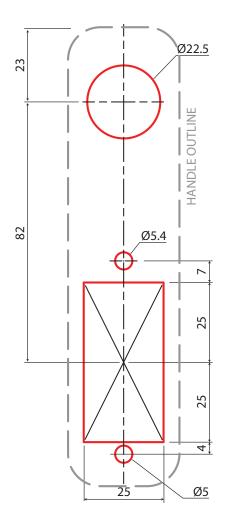
SWING HANDLES

SWING HANDLES

OVERVIEW

ONE CUT-OUT WITH MANY OPTIONS:

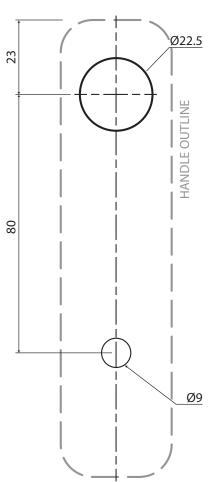
- Key Lockable
- Padlockable
- High Security
- IP65 rated for exterior use
- Vandal resistant construction
- High security
- Flush fitting
- Robust and easy to use
- Polyamide Black/Zinc Chrome/Zinc Black
- 316 Stainless Steel



In addition to the above, the below cut-out is used for the following handles:

- Non-Locking
- Padlockable

We also supply alternative swing handle options with different cut-outs which are detailed on the product pages.





SWING HANDLES

ESELON SERIES ECONOMY BARREL ZINC

FEATURES:

- Vandal resistant
- Park position with "click"
- Sleek, modern design
- IP65 rated
- Available in many key combinations
- 90° left & right stopper

SHAFT:

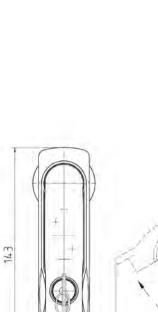
• 8mm square shaft, 60mm long

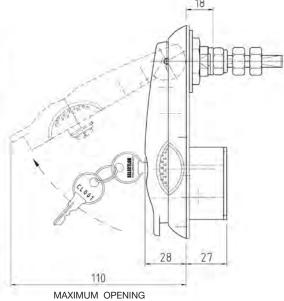
MATERIAL & FINISH

- Zinc die Handle & Base
- Zinc plated mild steel shaft

CAM ACCESSORY OPTIONS:

- 1000-1586 Single point
- 1000-1587 3 point with adapters
- 1000-1588 3 point without adapters
- P2535 Emergency internal handle





82

25

25

Code	Base Finish	Handle Finish
1107SBBU3N-##	Black EDP coated	Black EDP coated
1107SBCU3N-##	Black EDP Coated	Chrome plated
1107SCCU3N-##	Chrome Plated	Chrome plated

"-# # "	Key Options
-01	CL001
-02	92268
-03	604
-07	CL003
-11	144
-20	FS880





SWING HANDLES

ESELON SERIES HALF EURO PROFILE CYLINDER **ZINC**

FEATURES:

- Higher security key options available
- Vandal resistant
- Park position with "click"
- Sleek, modern design
- Suits 40mm half euro profile cylinders
- IP65 rated
- 90° left & right stopper

SHAFT:

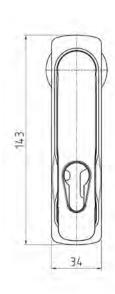
• 8mm square shaft, 60mm long

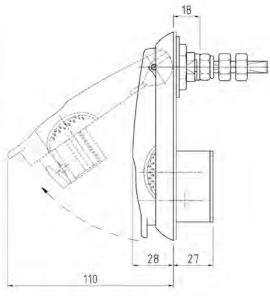
MATERIAL & FINISH

- Zinc die Handle & Base
- Zinc plated mild steel shaft

CAM ACCESSORY OPTIONS:

- 1000-1586 Single point
- 1000-1587 3 point with adapters
- 1000-1588 3 point without adapters
- P2535 Emergency internal handle





HANDLE OUTLINE

25

25

MAXIMUM OPENING

82

Code	Base Finish	Handle Finish
1107SBBU3N	Black EDP coated	Black EDP coated
1107SBCU3N	Black EDP coated	Chrome plated
1107SCCU3N	Chrome plated	Chrome plated

See Section 5: 25 for 40mm half euro profile cylinder options







SWING HANDLES ESELON SERIES PADLOCKABLE RETROFIT ZINC

FEATURES:

- Retrofits into key lock cut-out
- Vandal resistant
- Semi flush
- Park position with "click"
- IP65 rated
- Suits padlock up to 10mm
- 90° left & right stopper

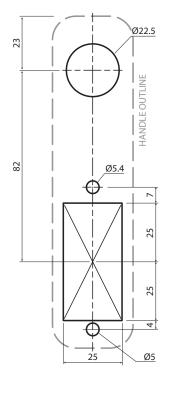
SHAFT:

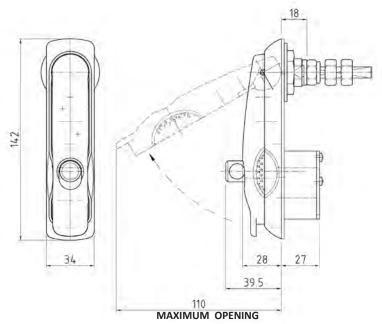
• 8mm square shaft, 60mm long

MATERIAL & FINISH

- Zinc die Handle & base
- Zinc plated mild steel shaft
- Hardend Forged steel, chrome plated Hasp

- 1000-1586 Single point
- 1000-1587 3 point with adapters
- 1000-1588 3 point without adapters
- P2535 Emergency internal handle





Code	Base Finish	Handle Finish
1107SCCU3N-PAD	Chrome plated	Chrome plated





SWING HANDLES

ESELON SERIES PADLOCKABLE ZINC

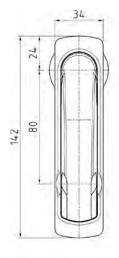
FEATURES:

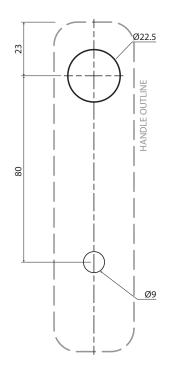
- Vandal resistant
- Suits padlock up to 13mm
- Park position with "click"
- Sleek, modern design
- IP65 rated
- 90° left & right stopper

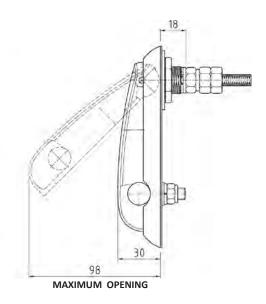
SHAFT:

- 8mm square shaft, 60mm long
- MATERIAL & FINISH
- Zinc die Handle & base
- Zinc plated mild steel shaft
- Hardend Forged steel, chrome plated Hasp

- 1000-1586 Single point
- 1000-1587 3 point with adapters
- 1000-1588 3 point without adapters
- P2535 Emergency internal handle







Code	Base Finish	Handle Finish
1107SBB04N	Black EDP coated	Black EDP coated
1107SBC04N	Black EDP coated	Chrome plated
1107SCC04N	Chrome plated	Chrome plated





SWING HANDLES

ESELON SERIES PADLOCKABLE STAINLESS STEEL

FEATURES:

- Vandal resistant
- Suits padlock up to 13 mm
- Park position with "click"
- Semi flush
- IP65 rating
- 90° left & right stopper
- Handle & Base Stainless steel cast alloy CF-8M (equivalent to wrought stainless steel AISI 316)

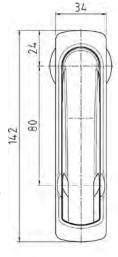


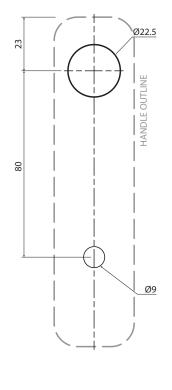
• 8mm square shaft, 60mm long

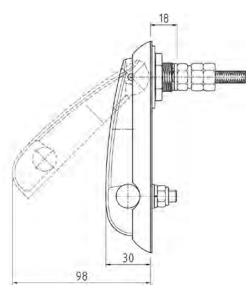
MATERIAL & FINISH

- Shaft Stainless steel 316
- Hasp Stainless steel 316

- 1000-1586 Single point
- 1000-1587 3 point with adapters
- 1000-1588 3 point without adapters
- 1000-1587-SS 3 point with adapters
- 1000-1588-SS 3 point without adapters
- P2535 Emergency internal handle







MAXIMUM OPENING

Code	Base Finish	Handle Finish
1107SSS04N	Polished	Polished





SWING HANDLES

MILLENIUM SERIES NON-LOCKING ZINC

FEATURES:

- Semi flush
- Park position with "click"
- IP65 rated
- 90° left & right stopper

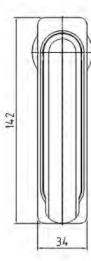
SHAFT:

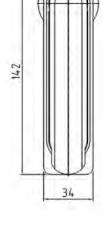
• 8mm square shaft, 60mm long

MATERIAL & FINISH

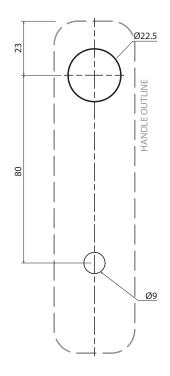
- Zinc die Handle & Base
- Mild steel, Zinc plated shaft

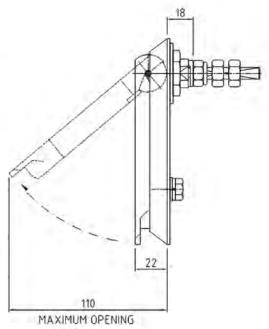
- 1000-1586 Single point
- 1000-1587 3 point with adapters
- 1000-1588 3 point without adapters
- P2535 Emergency internal handle













SWING HANDLES

MILLENIUM SERIES ECONOMY BARREL CYLINDER STAINLESS STEEL

FEATURES:

- With lock dust cover
- Vandal resistant
- Park position with "click"
- Semi flush
- IP65 rating
- Available in many key combinations
- 90° left & right stopper

SHAFT:

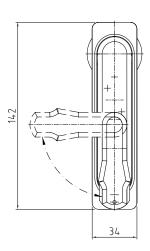
• 8mm square shaft, 60mm long

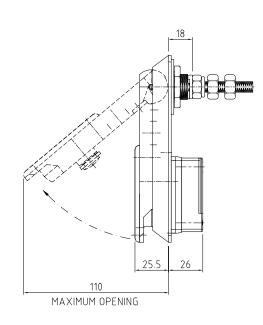
MATERIAL & FINISH

- Stainless steel cast alloy CF-8M Handle and Base. (equivalent to wrought stainless steel AISI 316)
- 316 stainless steel shaft

CAM ACCESSORY OPTIONS:

- 1000-1586 Single point
- 1000-1587 3 point with adapters
- 1000-1588 3 point without adapters
- 1000-1587-SS 3 point with adapters
- 1000-1588-SS 3 point without adapters
- P2535 Emergency internal handle



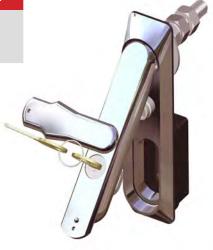


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HANDLE OUTLINE

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Code	Base Finish	Handle Finish	Key Number
1107SSSU3-01D	Polished	Polished	CL001
1107SSSU3-02D	Polished	Polished	92268





SWING HANDLES

MILLENIUM SERIES HIGH SECURITY HALF EURO PROFILE CYLINDER **STAINLESS STEEL**

FEATURES:

- Vandal resistant
- Park position with "click"
- Semi flush
- IP65 rated
- Suits 45mm half euro profile cylinders
- 90° left & right stopper

SHAFT:

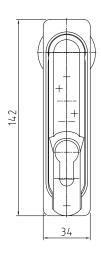
• 8mm square shaft, 60mm long

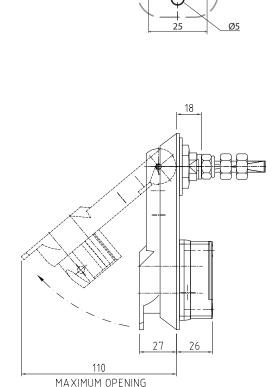
MATERIAL & FINISH

- Stainless steel cast alloy CF-8M Handle & Base (equivalent to wrought stainless steel AISI 316)
- 316 Stainless steel

CAM ACCESSORY OPTIONS:

- 1000-1586 Single point
- 1000-1587 3 point with adapters
- 1000-1588 3 point without adapters
- 1000-1587-SS 3 point with adapters
- 1000-1588-SS 3 point without adapters
- P2535 Emergency internal handle
- 45mm Euro Profile Cylinder





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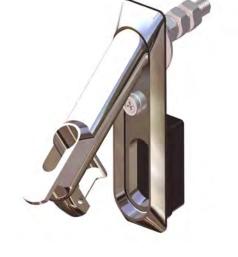
Code	Base Finish	Handle Finish
1107SSSU3-45	Polished	Polished

See Section 5: 25 for 40mm half euro profile cylinder options









SWING HANDLES

MILLENIUM SERIES PADLOCKABLE ZINC

FEATURES:

- Vandal resistant
- Park position with "click"
- Semi flush
- IP65 rated
- 13mm hasp-new cut-resistant material
- Suits padlock up to 13mm
- 90° left & right stopper

SHAFT:

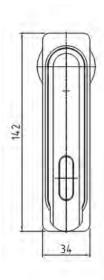
• 8mm square shaft, 60mm long

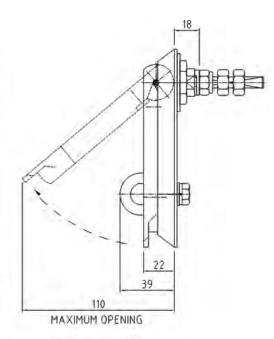
MATERIAL & FINISH

- Zinc die Handle 7 Base
- Zinc plated Mild steel shaft
- Chrome plated Hasp Hardened Forged steel

CAM ACCESSORY OPTIONS:

- 1000-1586 Single point
- 1000-1587 3 point with adapters
- 1000-1588 3 point without adapters
- P2535 Emergency internal handle





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HANDLE OUTLINE

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Code	Base Finish	Handle Finish
1107SBB04	Black EDP coated	Black EDP coated
1107SBC04	Black EDP coated	Chrome plated
1107SCC04	Chrome plated	Chrome plated





SWING HANDLES

MILLENIUM SERIES HIGH DUTY PADLOCKABLE **ZINC**

FEATURES:

- Vandal resistant
- Park position with "click"
- Semi flush
- IP65 rated
- 13mm hasp-new cut-resistant material
- Suits padlock up to 13mm
- 90° left & right stopper

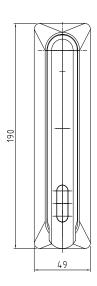
SHAFT:

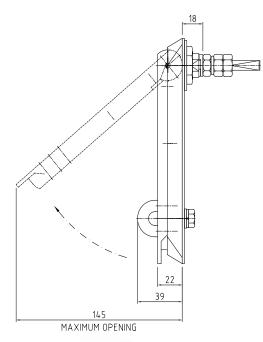
• 8mm square shaft, 60mm long

MATERIAL & FINISH

- Zinc die Handle 7 Base
- Zinc plated Mild steel shaft
- Stainless steel hasp

- 1000-1586 Single point
- 1000-1587 3 point with adapters
- 1000-1588 3 point without adapters
- P2535 Emergency internal handle





Code	Base Finish	Handle Finish
1107-BBCH-W	Black EDP coated	Chrome plated





A SERIES PADLOCKABLE ZINC & STAINLESS STEEL

FEATURES:

- Vandal resistant
- Semi flush
- IP65 rated
- Suits padlock up to 12mm

SHAFT:

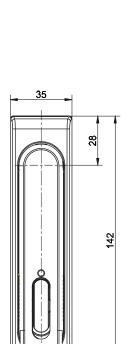
• 8mm square shaft, 80mm long

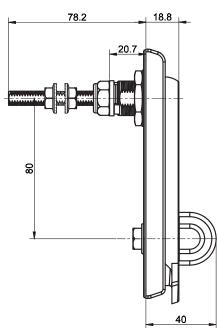
MATERIAL & FINISH

• Zinc Black, Chrome or 316 Stainless steel

CAM ACCESSORY OPTIONS:

- 1000-1586 Single point
- 1000-1587 3 point with adapters
- 1000-1588 3 point without adapters
- 1000-1587-SS 3 point with adapters
- 1000-1588-SS 3 point without adapters
- P2535 Emergency internal handle





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Code	Material	Base Finish	Handle Finish
1107-A2140-BB*	Zinc	Black EDP coated	Black EDP coated
1107-A2140-BC*	Zinc	Black EDP coated	Chrome plated
1107-A2140-CC	Zinc	Chrome plated	Chrome plated
1107-A2140-316	316 S/steel	Polished	Polished

^{*}Special order product





SWING HANDLES

A SERIES PADLOCKABLE ZINC & STAINLESS STEEL

FEATURES:

- Vandal resistant
- Semi flush
- IP65 rated
- Suits padlock up to 12mm

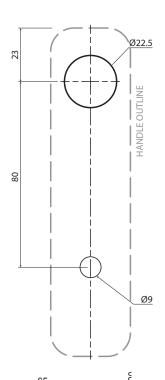
SHAFT:

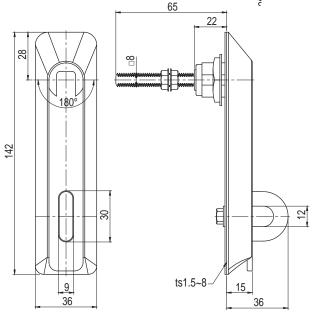
• 8mm square shaft, 80mm long

MATERIAL & FINISH

• Zinc Black, Chrome or 316 Stainless steel

- 1000-1586 Single point
- 1000-1587 3 point with adapters
- 1000-1588 3 point without adapters
- 1000-1587-SS 3 point with adapters
- 1000-1588-SS 3 point without adapters
- P2535 Emergency internal handle





Code	Material	Base Finish	Handle Finish
1107-A2150-BB*	Zinc	Black EDP coated	Black EDP coated
1107-A2150-BC	Zinc	Black EDP coated	Chrome plated
1107-A2150-CC	Zinc	Chrome plated	Chrome plated
1107-A2150-316	316 S/steel	Brushed	Brushed

^{*} Special order product





DIRAK (GERMANY) HALF EURO PROFILE POLYAMIDE

FEATURES:

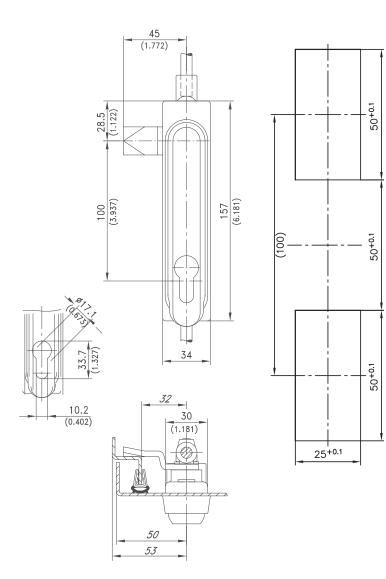
- Higher security key options available
- Park position with "click"
- Sleek, modern design
- Suits 40mm half euro profile cylinders
- IP65 rated
- 90° left & right stopper

MATERIAL & FINISH

• Polyamide Handle & Base

CAM ACCESSORY OPTIONS:

- Single point cams see Section 10: 25
- 3 point cams see Section 10: 25







See Section 5: 25 for 40mm half euro profile cylinder options



Selectlok NZ are exclusive New Zealand distributors for Dirak (Germany). Dirak offer an extensive range of high quality product; visit **www.dirak.com** for the full range and all design / CAD specifications available.



SWING HANDLES

DIRAK (GERMANY) HALF EURO PROFILE POLYAMIDE & ZINC

FEATURES:

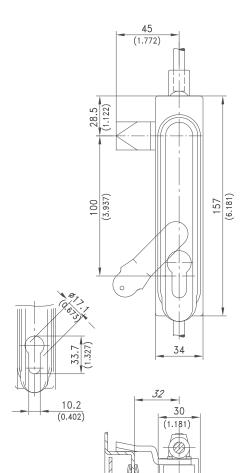
- Higher security key options available
- Park position with "click"
- Sleek, modern design
- Suits 40-45mm half euro profile cylinders
- IP65 rated
- 90° left & right stopper

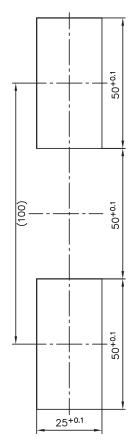
MATERIAL & FINISH

• Polyamide base with zinc black handle

CAM ACCESSORY OPTIONS:

- Single point cams see Section 10: 24
- 3 point cams see Section 10: 25





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ı	

Code	Base Finish	Handle Finish
107-9228	Black	Black

See Section 5: 25 for 40mm half euro profile cylinder options



Photo showing 211-9106-#### 40mm half euro profile cylinder in handle (not included). Cylinder recessed 5mm for added security.



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KEY BARREL OR HALF EURO PROFILE

& PADLOCKABLE STAINLESS STEEL

FEATURES:

- Higher security key options available
- Park position with "click"
- Sleek, modern design
- Suits 40mm half euro profile cylinders
- IP65 rated
- 90° left & right stopper

MATERIAL & FINISH

- 316 Stainless steel
- Brass Profile Cylinder (M-401-11-00 only)

CAM ACCESSORY OPTIONS:

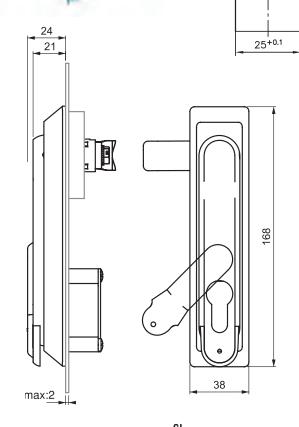
- Single point cams see Section 10: 24
- 3 point cams see Section 10: 25







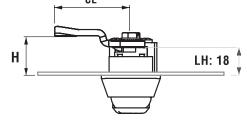
M-401-00-00-1



Code	Description	Material / Finish
M-401-11-00-1	Keyed Alike + Padlockable	316SS / Brushed
M-401-00-00-1	No Cylinder + Padlockable	316SS / Brushed

See Section 5: 25 for 40mm half euro profile cylinder options







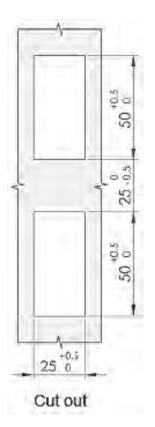
HIGH SECURITY KEY SPRING LOADED HANDLE ZINC

FEATURES:

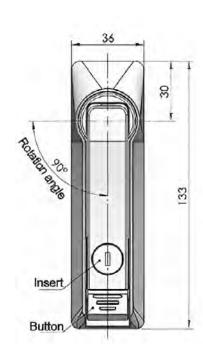
- High security key
- Suit standard cam attachment
- Convenient spring loaded handle
- 90° Handle turn can swap left or right
- Easy to use push button
- Semi flush
- IP65 rated

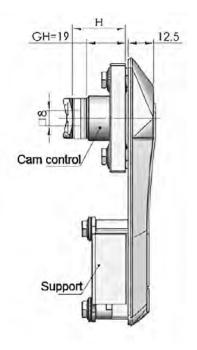
MATERIAL & FINISH

• Zinc alloy black







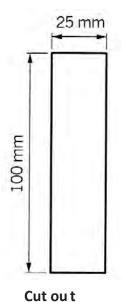


Code	Description	Material / Finish	Barrel Length (GH)	Cam Height (H)
MS819-1	Keyed Alike	Zinc / Black	19	26
MS819-1-KD	Keyed to Differ	Zinc / Black	19	26

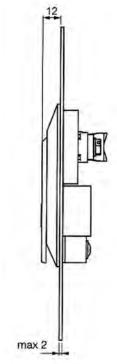


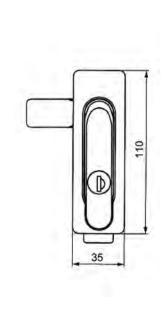
MINI SLIM ECONOMY BARREL PLASTIC / ZINC

- Compact size: 110mm x 35mm
- Suitable for smaller doors
- Simple rectangular cut out
- Low profile only 12mm protrusion
- IP65 rated
- Polymide base and zinc black handle
- Use with single point or three point cams













SWING HANDLES

Code

SWING HANDLES

MINI PADLOCKABLE ZINC

FEATURES:

- Vandal resistant
- IP65 rated
- Semi flush
- Suits padlock up to 13mm
- 13mm hasp-new cut-resistant material

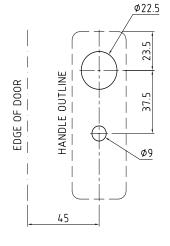
SHAFT:

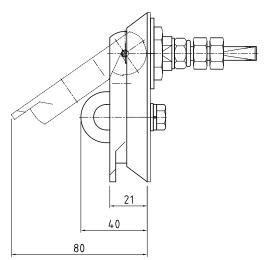
• 8mm square shaft, 68mm long

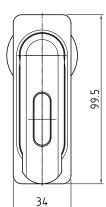
MATERIAL & FINISH

- Zinc die handle & base
- Zinc plated mild steel shaft
- Chrome plated hasp hardened forged steel

- 1000-1586 Single point
- 1000-1587 3 point with adapters
- 1000-1588 3 point without adapters
- P2535 Emergency internal handle







MAXIMUM OPENING







SWING HANDLES

MINI PADLOCKABLE ADJUSTABLE CAM ZINC

Cut-out _□20.1^{+0.1} (0.791)

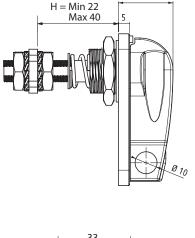
FEATURES:

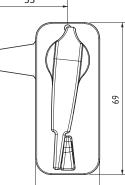
- Padlockable mini swing handle / wing handle
- M10 threaded shaft to fit adjustable single point or 3 point locking cams
- Retrofit quarter turn cut-out
- Very compact, beautiful, practical design
- Easy assembly
- Fast easy change from left to right handed

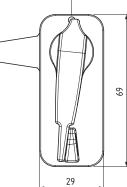




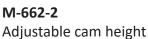




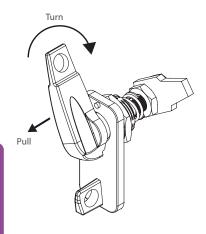








Change from left hand to right hand rotation by pulling the spring loaded handle and rotating past stop pin:







Code	Description	Material / Finish
M-662-44-001	Padlockable, adjustable cam height	Zinc / Black

Supplied with 33mm long flat cam See Section 3: 2 for other cam options



SWING HANDLES

MINI NON-LOCKING POLYAMIDE

FEATURES:

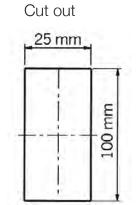
- Easy assembly
- No corrosion
- Economically priced
- Sleek, modern design

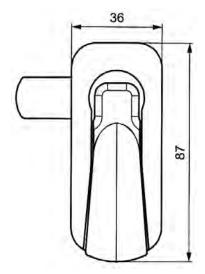
DIMENSIONS:

• 87mm High x 36mm Wide

MATERIAL & FINISH

- Polyamide body and handle
- Zinc plated cam





Code	Handedness	Finish
M-072-1-36-001	Right hand	Black
M-072-1-36-002	Left Hand	Black



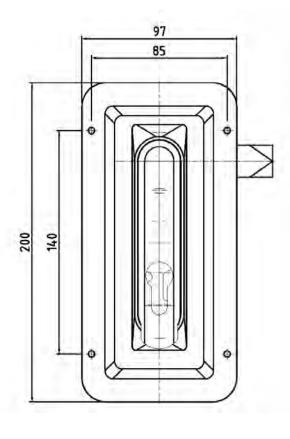


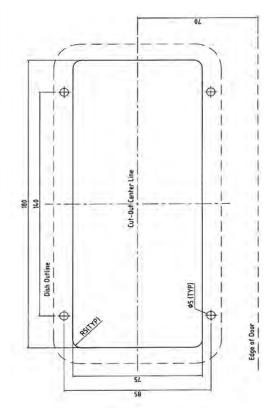
Section 5: 22

RECESSED DISHES STAINLESS STEEL

FEATURES:

- IP65 rated
- Semi flush
- Easy cutout
- Stainless steel dish





Code	Description	Recess Depth (mm)
P2579-650-15	Half Recess Dish	10
P2579-650-16	Full Recess Dish	20
P2579-650-17	Foam gasket for dish	

Swing handle sold separately



Photo showing 211-9106-#### profile cylinder in 1107SCCU3 handle (not included)



CENTRAL LOCKING RECESSED DISH STAINLESS STEEL

FEATURES:

- 12V DC 2 wire connection
- Can be connected to vehicles existing system
- Key override (lock/unlock)
- Park position with "click"
- 90° left & right stopper

SHAFT:

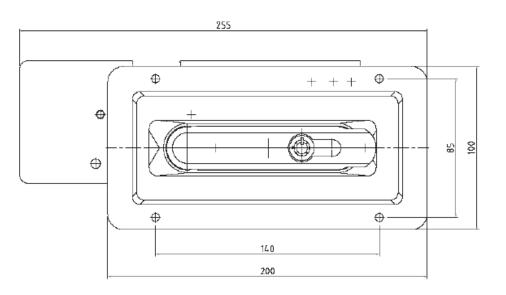
• 8mm square shaft, 68mm long

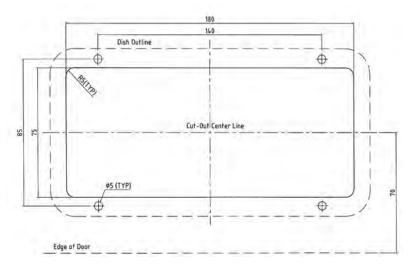
MATERIAL & FINISH

- Zinc die Handle 7 Base
- Zinc plated Mild steel shaft
- Dish Stainless steel

CAM ACCESSORY OPTIONS:

- 1000-1586 Single point
- 1000-1587 3 point with adapters
- 1000-1588 3 point without adapters
- P2535 Emergency internal handle





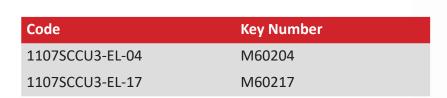


Photo showing 211-9106-#### profile cylinder in 1107SCCU3 handle (not included)





40mm HALF EURO PROFILE CYLINDERS

- Blanks, insert type, standard key & high security options
- Master keyed
- Slam shut
- 20 key code available
- Suits any profile cylinder handle
- Chrome plated Cylinder Zinc die





Code	Key Number	Code	Key Number
211-9201	Blank (none)	High Security Tubula	r Key:
Insert (Drive) Typ	e:	211-9106-60201	M60201
211-9203 211-9204 211-9206 211-9207 211-9208 211-9209 211-9212	7mm Square 8mm Square 7mm Triangle 8mm Triangle 3mm Double Bit 5mm Double Bit 2x4 Slot	211-9106-60202 211-9106-60203 211-9106-60204 211-9106-60205 211-9106-60206 211-9106-60207 211-9106-60208	M60202 M60203 M60204 M60205 M60206 M60207 M60208
Standard Key: 211-9001 211-9002 211-9101-144 211-9101-92268 211-9101-CL001 211-9102	Keyed to Differ DIN 18252 144 Key 92268 Key CL001 Key 1333 Key	211-9106-60209 211-9106-60210 211-9106-60211 211-9106-60212 211-9106-60213 211-9106-60214 211-9106-60215 211-9106-60216	M60209 M60210 M60211 M60212 M60213 M60214 M60215 M60216
		211-9106-60217 211-9106-60218	M60217 M60218



Photo showing 211-9106-#### profile cylinder in 1107SCCU3 handle (not included)



211-9106-MASTER-F

211-9106-60219

211-9106-60220

M60219

M60220

All

06	FLUSH LATCHES & LOCKS	Pages
	316SS Locking & Non-Locking Pull Ring Slam Cam Latches	2
	Plastic Non-Locking Pull Ring Slam Cam Latches	3
	316SS Non-Locking Pull Ring Adjustable Cam Latch	3
	Flush Locks For Cabinets & Locker Doors	4 - 6
	Locking & Non-Locking Finger Slide Latches	6 - 7
	Non-Locking Push Knob Slam Latches	8
	Small Non-Locking Paddle Slam Cam Latches	9
	Small Locking Paddle Slam Cam Latches	10 - 11
	Large Locking Paddle Slam Cam Latches	12 - 14
	Large Two Point Locking Paddle Latch	15
	Large Locking Paddle Rotary (Burst) Latch	16
	Large Locking Paddle Slam Cam Latch	17
	Internal Release Paddle Latch With Deadbolt	18



PULL RING SLAM CAM LATCHES LOCKING & NON LOCKING 316 STAINLESS STEEL

- Flush slam latch often used for deck hatches
- Smooth rounded finish easy on bare feet
- Locking or Non-Locking
- 316 Stainless steel
- Internal release slide knob





Code	Туре	Front Face			Max Panel Thick (mm)	Cam H-Dimension	Mounting Type
DX316-M1	Locking	61Dia x 3H	38	12	20	25	4x M5
DX316-M1-NL	Non-Locking	61Dia x 3H	38	12	20	25	4x M5



PULL RING SLAM CAM LATCHES

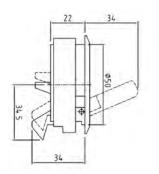
NON LOCKING PLASTIC

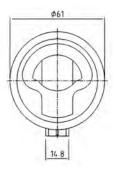
- Non locking slam latch
- ABS & Nylon













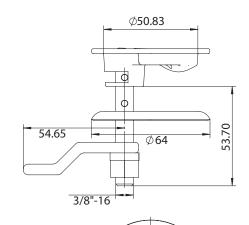
internai	reiease	iever

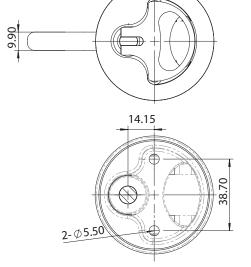
Code	Front Face	Min Panel Thick (mm)	Max Panel Thick (mm)	Cam H-Dimension
94009	61Dia x 3H	0	12	24
94009-2	61Dia x 3H	12	17	24

PULL RING ADJUSTABLE CAM LATCH NON LOCKING 316 STAINLESS STEEL

- 316 Stainless steel flush latch often used for deck hatches
- Smooth rounded finish easy on bare feet
- Non-Locking, 90° cam rotation
- Suits wide range of panel thicknesses (6mm 50mm)
- Adjustable cam height to suit H-Dimensions of 22mm 68mm
- Requires M4 Counter sunk screws length to suit application







Code	Front Face	Min Panel Thick (mm)	Max Panel Thick (mm)	Cam H-Dimension
DX316-M1-CAM	64Dia x 3H	6	50	22-68



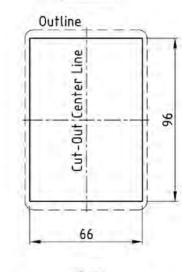
FLUSH PANEL LOCKS

FLUSH LATCHES & LOCKS

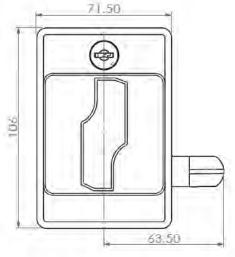
CABINET LATCH LOCKING STEEL

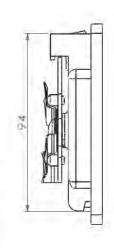
- Easy assembly
- Keyed alike
- Economically priced
- 106H x 71.5W
- Zinc die cast black powder coated dish
- Steel zinc plated cam

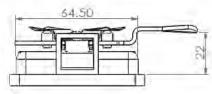




CUT-OUT





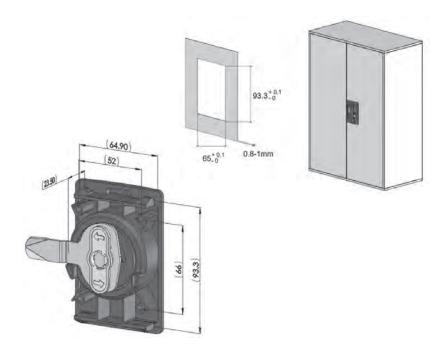


Code	Cam H-Dimension	Handedness
ALFL04	22mm	LH
ALFR04	22mm	RH

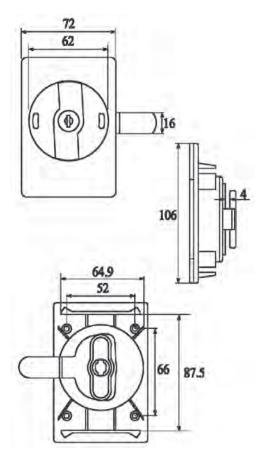


CABINET LATCH LOCKING PLASTIC

- Easy assembly
- Keyed alike
- Economically priced
- 106H x 72W
- Plastic dish
- Steel zinc plated cam
- Rods can be attached for 3 point locking







Code	Description	H-Dimension (Grip)	Key Number
LM0547.23.B.00.ZZ	Plastic flush lock	23	Keyed to differ
LM0547.23.B.00.ZZ-01	Plastic flush lock	23	0001 (Keyed alike)



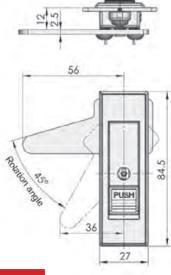
CABINET LATCH LOCKING & NON LOCKING STEEL

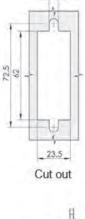
• Compact push button cabinet latch

Reversible cam for left or right hand applications

- Spring loaded handle
- Economical price









Code	Description	Material / Finish
MS720-2	Push button latch with insert lock	Zinc / Silver
MS720-1	Push button latch non locking	Zinc / Silver

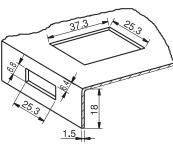
SLIDE SLAM LATCH NON LOCKING PLASTIC

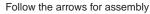
- Suits 0.8mm to 2.3mm door thickness
- 6mm cam stroke
- Polyamide

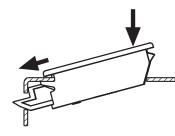


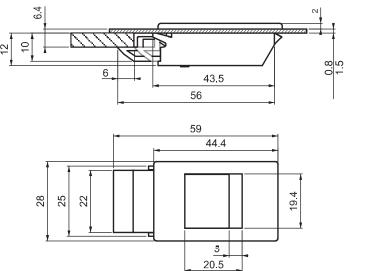
Code	Colour
M-271	Black - Black











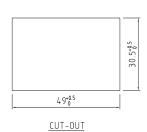


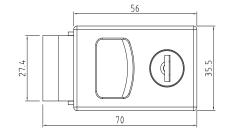
FLUSH PANEL LOCKS

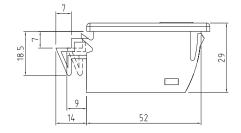
FLUSH LATCHES & LOCKS

SLIDE SLAM LATCH NON-LOCKING & LOCKING PLASTIC

- Slide slam latches
- Suit 0.8mm to 2.3mm door panel thickness
- 6mm cam stroke
- Polyamide











PI5303-02 Non-locking





PI5259-02-0# Non-locking

Code	Description	Key Code	Colour
PI5303-02	Non-locking slide latch	NA	Black - Black
PI5259-02-01	Key locking slide latch	CL001	Black - Black
PI5259-02-02	Key locking slide latch	92268	Black - Black



PUSH KNOB SLAM LATCHES NON-LOCKING PLASTIC

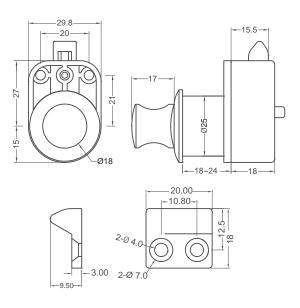
- Caravan / Motorhome / Boat push locks
- Slam Snibs to suit cupboards and drawers
- Plastic
- Polished nickel (chrome), Matt nickel finish



MN5100 N5100

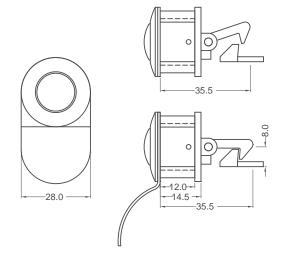


MN5100-SQ N5100-SQ





MN5100-15-V N5100-15-V



Code	Description	Material / Finish	Door Cut-Out (mm)
MN5100Z	Round push knob slam latch	Plastic / Matt Nickel	26Dia x 18-24 Thick
N5100Z	Round push knob slam latch	Plastic / Nickel (Shiny)	26Dia x 18-24 Thick
MN5100Z-SQ	Square push knob slam latch	Plastic / Matt Nickel	26Dia x 18-24 Thick
N5100Z-SQ	Square push knob slam latch	Plastic / Nickel (Shiny)	26Dia x 18-24 Thick
MN5100Z-15-V	Round push knob slam latch with hook	Plastic / Matt Nickel	(Contact us) x 13-18
N5100Z-15-V	Round push knob slam latch with hook	Plastic / Nickel (Shiny)	(Contact us) x 13-18

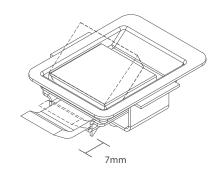


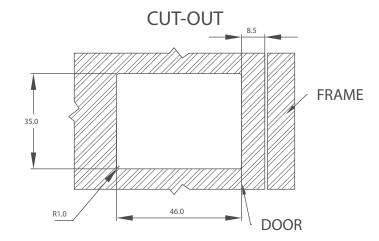
MINI PADDLE SLAM LATCH NON LOCKING STAINLESS STEEL

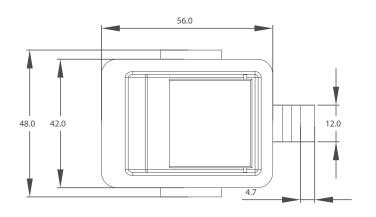
- Slam shut operation
- Compact finger release paddle latch
- 304 Stainless Steel
- Lightweight doors / drawers

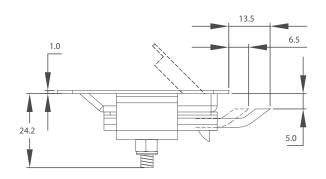










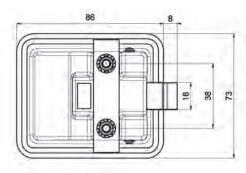


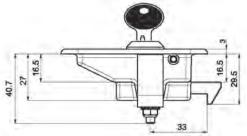
Code	Key Number	Material
MS866-8	Non-locking	Stainless steel



SMALL PADDLE SLAM LATCH LOCKING PLASTIC

- Slam shut operation
- Polyamide dish
- Zinc handle
- Delrin® cam
- Steel mounting bracket
- Generators / compressors, electric panels, machinery covers













Code	Key Number
M-116-01	Keyed alike
M-116-00	Non-locking

- Special order product

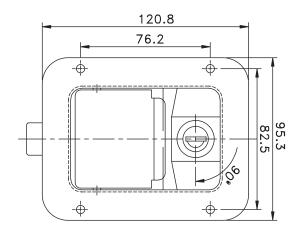


FLUSH PANEL LOCKS

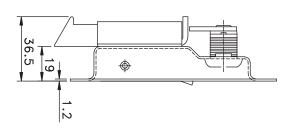
FLUSH LATCHES & LOCKS

SMALL PADDLE SLAM LATCH LOCKING STAINLESS STEEL

- Slam shut operation
- 304 Stainless steel dish and handle
- Zinc die cast cam
- Generators / compressors, electric panels, machinery covers

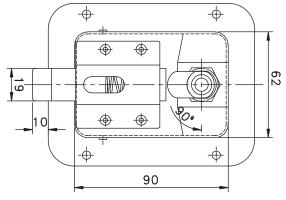














Code	Key Number
10402-CH510	CH510

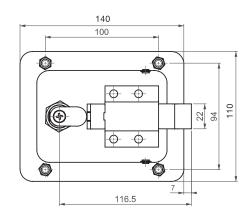


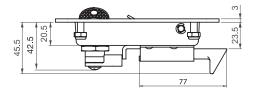
FLUSH PANEL LOCKS

FLUSH LATCHES & LOCKS

LARGE PADDLE SLAM LATCH LOCKING STEEL

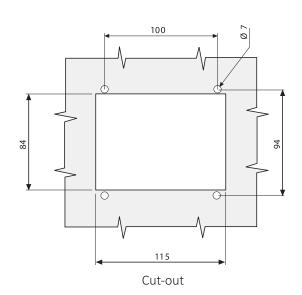
- Slam shut operation
- Regular cam
- Strike hook accessory available
- Lock can be opened from inside by moving cam
- Black powder coated steel dish and handle
- Zinc die cast cam
- Generators / compressors, electric panels, machinery covers



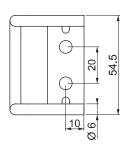




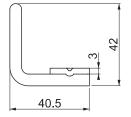








Code	Material	Description
M-016-6-2-03-2	Zinc alloy	Paddle handle
M-016-A71	Zinc plated steel	Strike hook

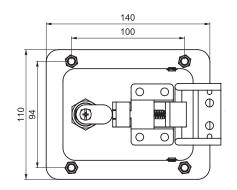


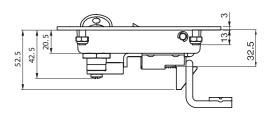


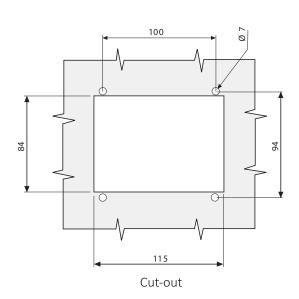
LARGE PADDLE SLAM LATCH LOCKING STAINLESS STEEL

- Slam shut operation
- Short cam strike hook accessory required
- Lock can be opened from inside by moving cam
- 304 Stainless steel
- Brass cam
- Generators / compressors, electric panels, machinery covers

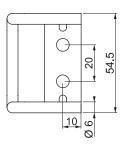




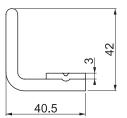








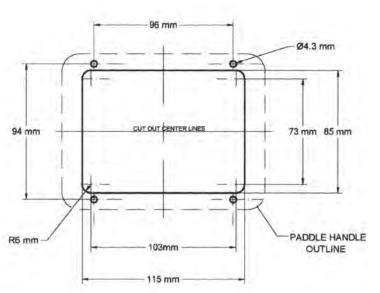
Code	Material	Description
M-016-4-0-03-1	316 S/Steel	Paddle handle
M-016-A740	316 S/Steel	Strike hook





LARGE PADDLE HANDLE - SLAM LOCKING STAINLESS STEEL

- Paddle handle with slam snib
- 108mm High x 139.5mm Wide
- 304 Stainless steel dish handle & dish
- Zinc die cast cam
- Generators / compressors, electric panels, machinery covers
- We can supply folding T-handles, compression latches and cam locks with the same key number





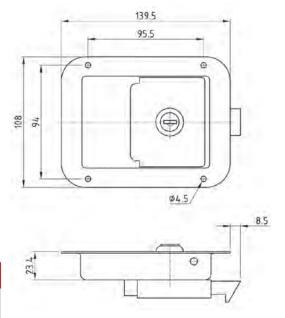
10409-CH5##



10409-CH5##-INT



Code	Description	Key Number
10409-CH5##	Single point slam cam	CH5##
10409-CH5##-INT	Single point slam cam Internal Release Knob	CH5##



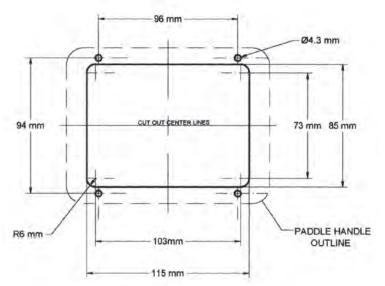


FLUSH LATCHES & LOCKS

LARGE PADDLE HANDLE - TWO POINT LATCHING

LOCKING STAINLESS STEEL

- Paddle handle with two point rod control
- 108mm High x 139.5mm Wide
- 304 Stainless steel dish handle & dish
- Steel control arms
- Generators / compressors, electric panels, machinery covers
- We can supply folding T-handles, compression latches and cam locks with the same key number

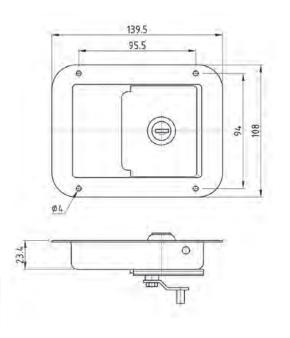




10411-CH5##



Code	Description	Key Number
10411-CH5##	2-Point Rod Control	CH5##

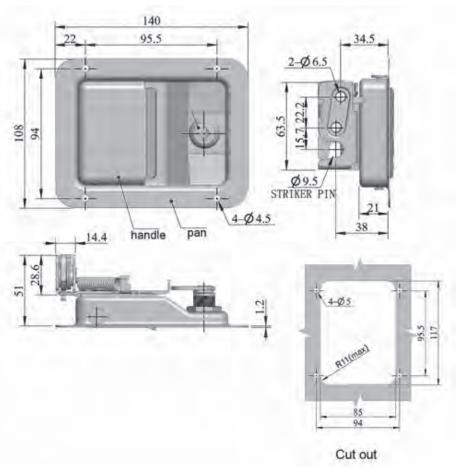




FLUSH LATCHES & LOCKS

LARGE PADDLE ROTARY LATCH LOCKING STAINLESS STEEL

- Slam shut operation
- Two stage rotary latch
- 304 Stainless steel dish
- Zinc alloy rotary latch
- Generators / compressors, electric panels, machinery covers





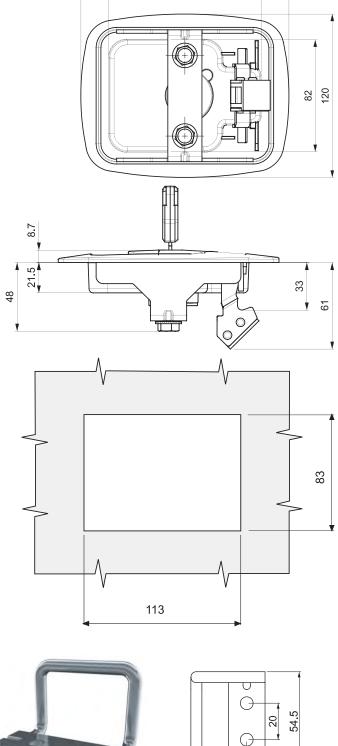


Code	Material	Description
10409-50611	304 S/Steel	Paddle handle rotary latch



LARGE PADDLE SLAM LATCH LOCKING PLASTIC

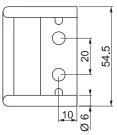
- Slam shut operation
- Plastic cam
- Strike hook accessory required
- Lock can be opened from inside by pressing cam
- Polyamide
- Generators / compressors, electric panels, machinery covers



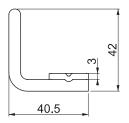
152 112







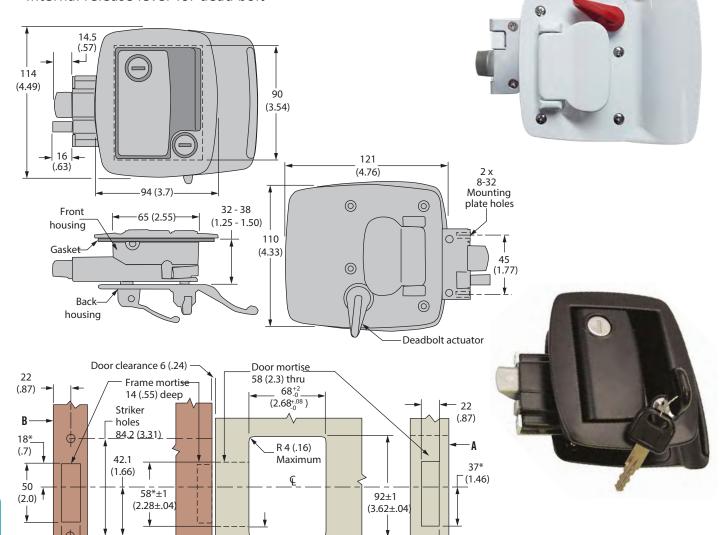
Code	Material	Description
M-316-2-0-03-01	Polyamide	Paddle handle
M-016-A71	Zinc plated steel	Strike hook



FLUSH LATCHES & LOCKS

LARGE PADDLE LATCH - RV ENTRANCE DOORS SLAM LOCK AND DEAD LOCK ZINC

- Slam shut operation plus dead lock
- Motorhomes, caravans, horsefloats, food trailers
- One key cylinder locks the pull handle, while a separate key cylinder locks the dead bolt
- Internal release lever for dead bolt



*For left hand mounting mirror the dimensions marked with * by moving them to the other side of the centerline.

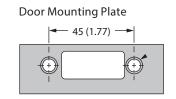
32.5±1

 $(1.28\pm.04)$

Code	Material / Finish
S-R3-10-311-50	Zinc Black
S-R3-10-311-70	Zinc White

Frame

22 (.87)



10

(.39)

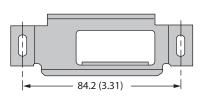
Hinge side

32 - 38-

(1.25 - 1.50)

Door

 8^{+0}_{-2} (.31^{+.00}_{-.08})



Striker Plate



10

(.39)

07	FOLDING T (DROP T) HANDLES	Pages
	Sleek Series Whale Tail Padlockable & Key Locking With Roller Cam	2 - 3
	Imperial Series Whale Tail Padlockable & Key Locking With Roller Cam	4
	Midnight Series Whale Tail Padlockable & Key Locking With Roller Cam	5
	Midnight Series Comfort Handle Key Locking With Standard Cam	6
	Midnight Series Central Locking Gear Trays	7
	Midnight Series Comfort Handle Key Locking With Standard Key	8 - 9
	304SS Comfort Series Standard Key With Standard Cam	10
	316SS Comfort Series Non-Locking With Standard Cam	11
	304SS Comfort Series Non-Latching Grab Handle Only	12
	304SS Signature Series Low Profile, FS880 Key & Flat Cam	13
	304SS Signature Series Heavy Duty, FS880 Key & Bent Cam	14
	304SS Signature Series Standard Key With Bent Cam	15
	304SS Signature Series Standard Key With Flat Cam	16
	304SS Economy Series Standard Key With Flat Cam	17
	304SS Economy Series Non-Locking With Flat Cam	18
	Mini & Large Padlockable & Key Locking With Roller Cam	19 - 20
	Midnight & Comfort Series Accessories	21 - 23

O7 FOLDING T (DROP T) HANDLES



SLEEK SERIES WHALE TAIL ZINC ALLOY

FEATURES

- New IP65 "Sleek" series whale tail folding T-handle
- · Dual locking: padlockable and key locking
- Supplied with two options of roller cam heights
- Pins to suit our 8mm diameter rods for three point locking
- 5mm compression on roller cam as handle is stowed
- High security lazer cut key
- Key barrel spring return after lock/unlock rotation
- Mounting backing plate for more secure installation

MATERIAL & FINISH

- Die cast zinc alloy: textured black powder coat / zinc chrome plating
- Zinc plated mild steel other components

ACCESSORY OPTIONS:

- Compact 12V central locking module available separately can be retrofitted at a later date giving both designer and end user cost effective flexibility
- Counter clockwise cam option available for installations where opposite cam rotation required



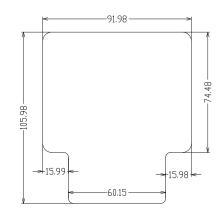
10598-K###-ZBB Black dish / Black handle

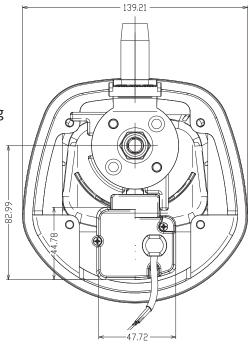


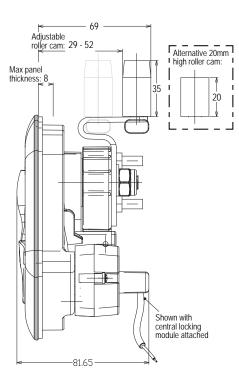
10598-K###-ZBC Black dish / Chrome handle

Code	Description	Dish	Handle
10598-K###-ZBB	Folding T Handle	Black EDP	Black EDP
10598-K###-ZBC	Folding T Handle	Black EDP	Chrome

See adjacent page for accessories









SLEEK SERIES ACCESSORIES



CENTRAL LOCKING MODULE

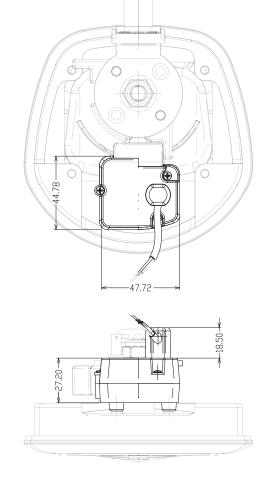
- 12V Central locking module for Sleek folding T handles
- Can be retrofitted to preinstalled Sleek series handles
- Very compact minimal space required
- Double insulated cables protected against chaffing
- Simple two wire positive / negative connection



Code	Description
10598-CL-12V-1	12V Central Locking Module

COUNTER CLOCKWISE CAM

 Replacement cam plate for Sleek folding T handles requiring opposite (counter clockwise rotation)





Code	Description	
10598-CAM-CCW	Cam for Counter-Clockwise Rotation	



IMPERIAL SERIES WHALE TAIL HANDLE **ZINC ALLOY**

FEATURES:

- Traditional whale tail handle design
- Heavy duty construction
- Suitable for 1 or 3 point locking
- Adjustable grip roller cam
- Three point locking cam for rods
- Key locking and padlockable

DIMENSIONS:

- 144mm Height
- 140mm width

MATERIAL & FINISH

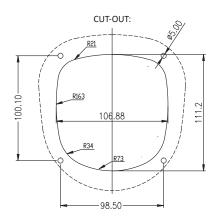
- Powder Coated Zinc, Zinc plated Bracket
- Zinc plated Mild steel Cam & shaft

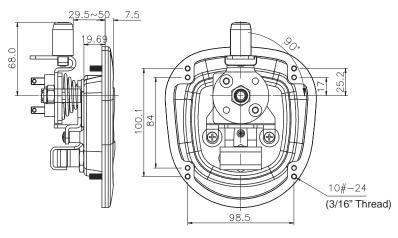
ACCESSORY OPTIONS:

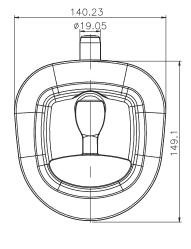
- Locking rods and pins
- Rod Guides











Code	Handle	Dish	Key Number
50054PBR3-BB	Black	Black	CH545
50054PBR3-BC	Chrome	Black	CH545





MIDNIGHT SERIES WHALE TAIL HANDLE AUTOMOTIVE KEY ZINC ALLOY

FEATURES:

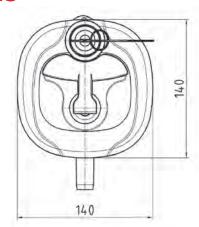
- · New modern design
- Heavy duty construction
- Suitable for 1 or 3 point locking
- Adjustable grip roller cam
- New plastic spring clicker
- High security automotive barrel
- Suit padlock up to 8mm

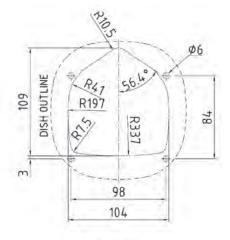
MATERIAL & FINISH

- Zinc die, Zinc plated Bracket
- Zinc plated Mild steel Cam & shaft

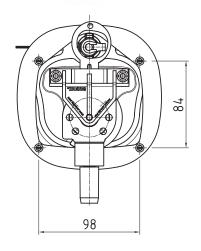
ACCESSORY OPTIONS:

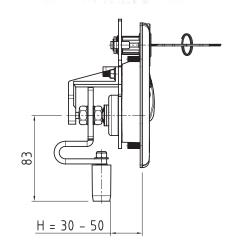
- Central locking gear tray
- Locking rods and pins
- Rod Guides





CUT-OUT











Code	Handle	Dish	Key Number
10503-SK#-ZBB-R	Black	Black	SK#
10503-SK#-ZBC-R	Chrome	Black	SK#
10503-SK#-ZCC-R	Chrome	Chrome	SK#

See Section 7:7 for central locking gear trays to suit



MIDNIGHT SERIES COMFORT HANDLE AUTOMOTIVE KEY ZINC ALLOY

FEATURES:

- New modern design
- · Heavy duty construction
- Suitable for 1 or 3 point locking
- New plastic spring clicker
- High security automotive barrel

DIMENSIONS:

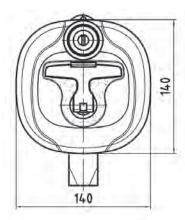
- 140mm Height
- 140mm width

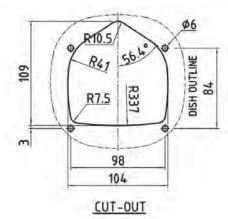
MATERIAL & FINISH

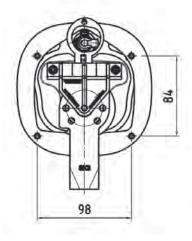
- Zinc die, Zinc plated Bracket
- Zinc plated Mild steel Cam & shaft

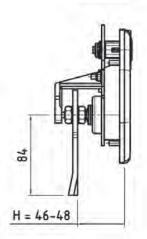
ACCESSORY OPTIONS:

- Central locking gear tray
- Locking rods and pins
- Rod Guides
- Adjustable Roller Cam















Code	Handle	Dish	Key Number
10502-SK#-ZBB	Black	Black	SK#
10502-SK#-ZBC	Chrome	Black	SK#
10502-SK#-ZCC	Chrome	Chrome	SK#

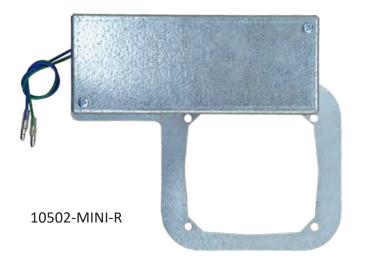
See Section 7:7 for central locking gear trays to suit

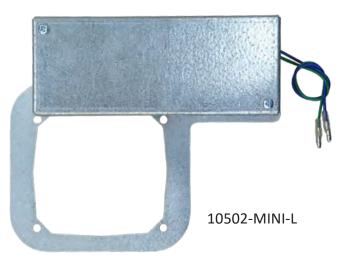


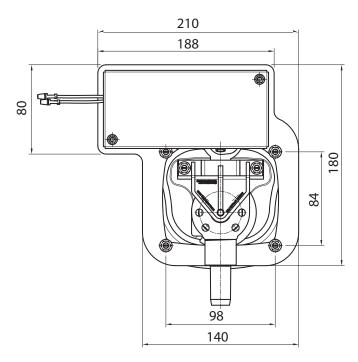
FOLDING T HANDLES

MIDNIGHT SERIES CENTRAL LOCKING GEAR TRAY

- 12V Central locking gear tray
- Suits 10502 and 10503 Midnight series folding T handles with SK## key numbers
- Can be retrofitted to preinstalled Midnight series handles
- Uses standard gun type solenoid actuator
- Simple two wire positive / negative connection
- · White zinc coated steel housing







Code	Side
10502-MINI-L	Left hand
10502-MINI-R	Right hand



MIDNIGHT SERIES COMFORT HANDLE STANDARD KEY ZINC ALLOY

FEATURES:

- New modern design
- Heavy duty construction
- Suitable for 1 or 3 point locking

DIMENSIONS:

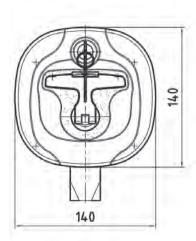
- 140mm Height
- 140mm width

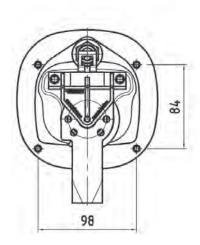
MATERIAL & FINISH

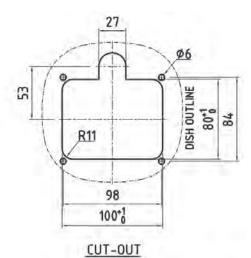
- Zinc die, Zinc plated Bracket
- Zinc plated Mild steel Cam & shaft

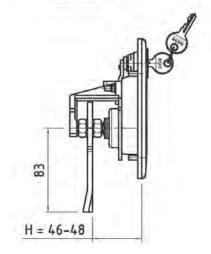
ACCESSORY OPTIONS:

- Locking rods and pins
- Rod Guides
- Adjustable Roller Cam













MIDNIGHT SERIES HEAVY DUTY MOUNTING COMFORT HANDLE STANDARD KEY ZINC ALLOY

FEATURES:

- · New modern design
- Heavy duty construction
- Suitable for 1 or 3 point locking
- High security automotive barrel

DIMENSIONS:

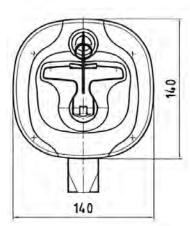
- 140mm Height
- 140mm width

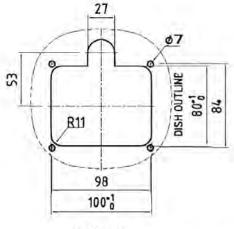
MATERIAL & FINISH

- Zinc die, Zinc plated Bracket
- Zinc plated Mild steel Cam & shaft

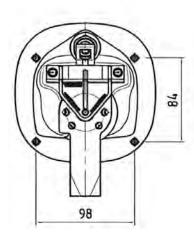
ACCESSORY OPTIONS:

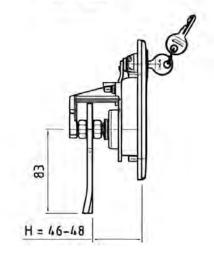
- Locking rods and pins
- Rod Guides
- Adjustable Roller Cam





CUT-OUT











Code	Mounting	Handle	Dish	
10502-CH5##-C6-N-ZBC	M6 C/Sunk Holes	Chrome	Black	

FOLDING T HANDLES

COMFORT SERIES STAINLESS STEEL

FEATURES:

- New modern design comfort handle
- Stainless steel dish (mirror-like finish)
- IP65 (when dust cap fitted)
- Heavy duty construction
- Suitable for 1 or 3 point locking

DIMENSIONS:

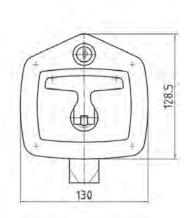
- 128.5mm Height
- 130mm width

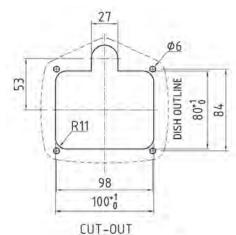
MATERIAL & FINISH

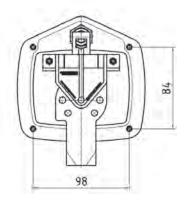
- Zinc die, chrome plated Handle
- Zinc die cast Bracket
- Stainless steel Dish
- Mild steel, zinc plated Cam & Shaft

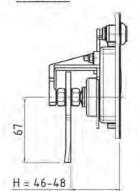
ACCESSORY OPTIONS:

- Locking rods and pins
- Rod Guides
- Adjustable Roller Cam













Code	Key Number	Mounting Method
10502-CH5##-N	CH5##	Holes
10502-CH5##-S-N	CH5##	M5 studs



COMFORT SERIES NON-LOCKING MARINE GRADE 316 STAINLESS STEEL

FEATURES:

- New modern design comfort handle
- Full Stainless steel -316 where possible
- Non-locking
- · Heavy duty construction
- IP65 rated
- Suitable for 1 or 3 point locking

DIMENSIONS:

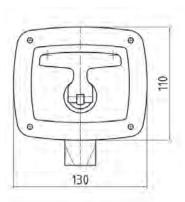
- 110mm Height
- 130mm width

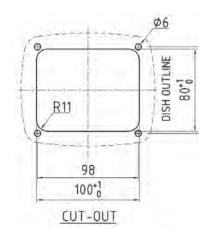
MATERIAL & FINISH

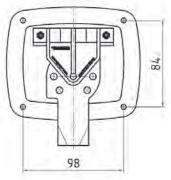
- Stainless steel (316) Handle & Shaft
- Stainless steel (316) Bracket
- Stainless steel (316) Dish
- Stainless steel (316) Cam

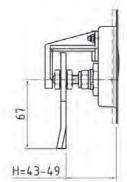
ACCESSORY OPTIONS::

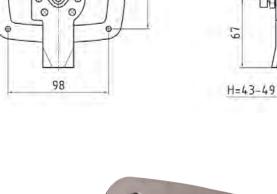
- Locking rods and pins
- Rod guides
- · Adjustable roller cam













Code	Key Number	Mounting Method
10502SS-316	Non-locking	Holes



COMFORT SERIES NON LATCHING GRAB HANDLE

FEATURES:

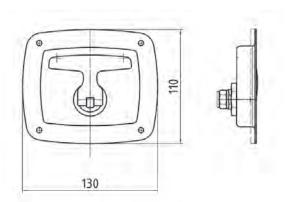
- Fold away flush grab handle
- New modern design comfort handle
- Stainless steel dish (mirror-like finish)
- Heavy duty construction

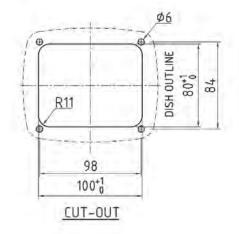
DIMENSIONS:

- 128.5mm Height
- 130mm width

MATERIAL & FINISH

- Zinc die, chrome plated Handle
- Stainless steel Dish







Code	Key Number	Mounting Method
10502-PULL-N	Non-latching, Non-locking	Holes



SIGNATURE SERIES LOW PROFILE FS880 KEY STAINLESS STEEL

FEATURES:

- Stainless steel dish (mirror-like finish)
- Signature series rounded handle
- Low profile
- Includes with rod pins (Linkages)
- Heavy duty construction
- IP65 rated
- Suitable for 1 or 3 point locking

DIMENSIONS:

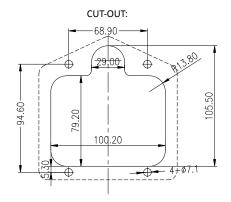
- 110mm Height
- 130mm width

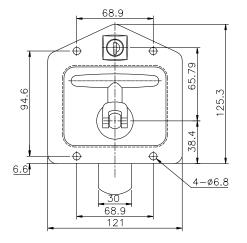
MATERIAL & FINISH

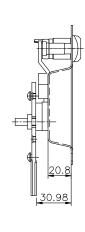
- Zinc die cast Handle
- · Zinc die cast Bracket
- · Stainless steel Dish
- Mild steel, zinc plated Cam & Shaft

ACCESSORY OPTIONS:

- Locking rods and pins
- Rod Guides











Rounded Signature Handle

Code	Key Number	Mounting Method
10502-FS880	FS880	Holes



SIGNATURE SERIES HEAVY DUTY FS880 KEY STAINLESS STEEL

FEATURES:

- Stainless steel dish (mirror-like finish)
- Signature series rounded handle
- Heavy duty construction
- IP65 rated
- Suitable for 1 or 3 point locking

DIMENSIONS:

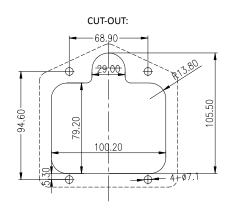
- 110mm Height
- 130mm width

MATERIAL & FINISH

- Zinc die cast Handle
- · Zinc die cast Bracket
- Stainless steel Dish
- Mild steel, zinc plated Cam & Shaft

ACCESSORY OPTIONS:

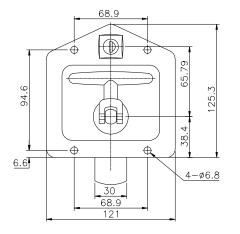
- · Locking rods and pins
- Rod Guides

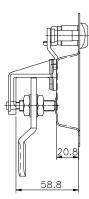




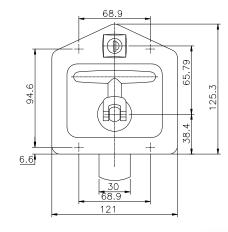
Rounded Signature Handle

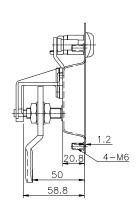
Hole Mounting



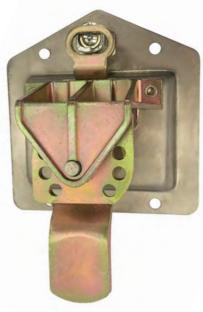


Stud Mounting









Code	Key Number	Mounting Method
10502-H-FS880	FS880	Holes
10502-H-FS880-S	FS880	M5 studs



SIGNATURE SERIES STAINLESS STEEL WITH HEAVY DUTY ALUMINIUM BACK BENT CAM

FEATURES:

- Stainless steel dish polished finish
- Heavy duty cast aluminium back
- Signature series rounded handle
- Includes lock barrel water cap
- IP65 rated
- Suitable for 1 or 3 point locking



- Cam Height Adjustable: 36-49mm
- 124.5mm High
- 121.5mm Wide

MATERIAL & FINISH

- Zinc die cast Handle
- · Cast aluminium bracket
- · Stainless steel Dish
- · Steel zinc cam & shaft

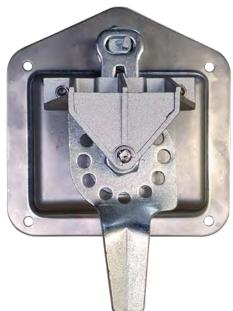
ACCESSORY OPTIONS:

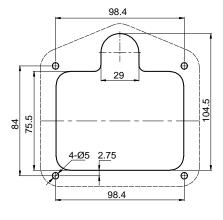
- Locking rods and pins
- Rod Guides

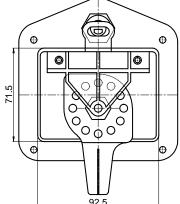


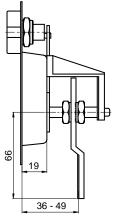


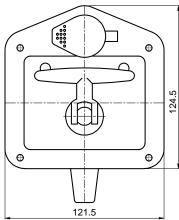












Code	Cam	Key Number	Mounting Method
10502-CH510-SIG-A	Bent Cam	CH510	M5 Holes



SIGNATURE SERIES STAINLESS STEEL WITH HEAVY DUTY ALUMINIUM BACK STRAIGHT CAM

FEATURES:

- Stainless steel dish polished finish
- Heavy duty cast aluminium back
- Signature series rounded handle
- Includes lock barrel water cap
- IP65 rated
- Suitable for 1 or 3 point locking



- Cam Height Adjustable: 30-43mm
- 124.5mm High
- 121.5mm Wide

MATERIAL & FINISH

- Zinc die cast Handle
- Cast aluminium bracket
- · Stainless steel Dish
- Steel zinc cam & shaft

ACCESSORY OPTIONS:

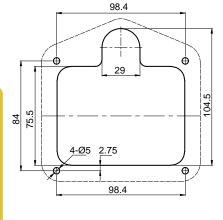
- Locking rods and pins
- Rod Guides

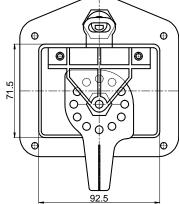


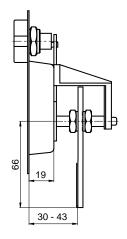


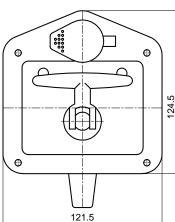












Code	Cam	Key Number	Mounting Method
10502-CH510-SIG-B	Straight cam	CH510	M5 Holes

Fasteners available separately - contact us



ING T HAN

ECONOMY SERIES STAINLESS STEEL

FEATURES:

- Stainless steel dish (mirror-like finish)
- Economy range
- Heavy duty construction
- IP65 rated
- Suitable for 1 or 3 point locking

DIMENSIONS:

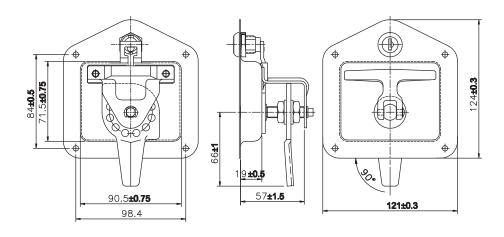
- 110mm Height
- 130mm width

MATERIAL & FINISH

- Zinc die cast Handle
- Zinc die cast Bracket
- · Stainless steel Dish
- Mild steel,zinc plated Cam & Shaft

ACCESSORY OPTIONS:

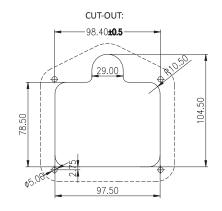
- Locking rods and pins
- Rod Guides





Hole Mounting



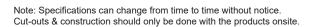




Stud Mounting

Code	Key Number	Mounting Method
10502-CH5##	CH5##	Holes
10502-CH5##-S	CH5##	M5 studs





FOLDING T HANDLES

ECONOMY SERIES NON-LOCKING STAINLESS STEEL

FEATURES:

- Stainless steel dish (mirror-like finish)
- · Economy range non locking
- Heavy duty construction
- IP65 rated
- Suitable for 1 or 3 point locking

DIMENSIONS:

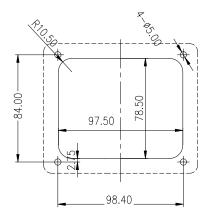
- 110mm Height
- 130mm width

MATERIAL & FINISH

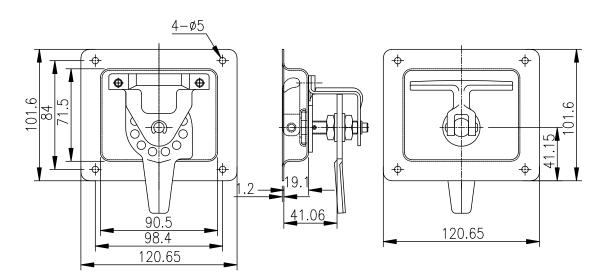
- Zinc die cast Handle
- Zinc die cast Bracket
- Stainless steel Dish
- Mild steel, zinc plated Cam & Shaft

ACCESSORY OPTIONS:

- Locking rods and pins
- Rod Guides







Code	Key Number	Mounting Method
10502	Non-Locking	Holes



MINI HEAVY DUTY POLYAMIDE

FEATURES:

- Very strong construction
- Adjustable grip roller cam
- Key locking and padlockable
- Very small cut-out

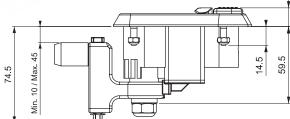
MATERIAL & FINISH

- Black polyamide dish
- Zinc Alloy handle
- Zinc cam with polyamide roller











Grip adjustment systen

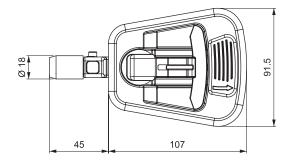
Grip adjusted by rotating the main screw between 10 - 45 mm

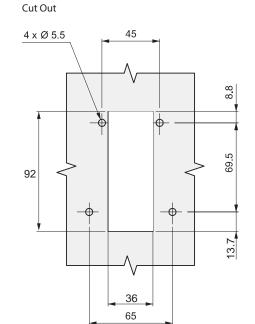
Set screw

To adjust the grip, first loosen the set screw. Then screw again for fixing



Code	Key Number	Mounting Method
M-114-4-12-07-0	CH751	Holes
M-114-4-12-07-1	CH751	M5 studs





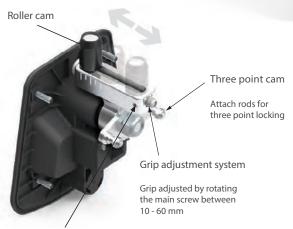
LARGE HEAVY DUTY POLYAMIDE

FEATURES:

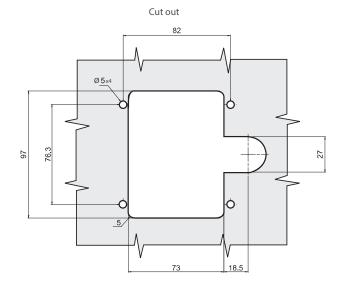
- Very strong construction
- Adjustable grip roller cam
- Three point locking cam for rods
- Key locking and padlockable
- · Very small cut-out

MATERIAL & FINISH

- Black polyamide dish
- Zinc Alloy handle
- Zinc cam with polyamide roller

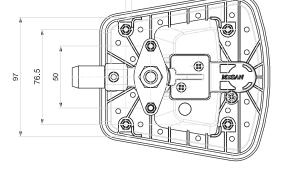


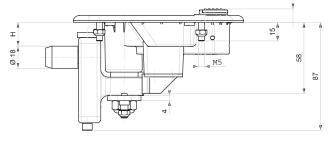
To adjust the grip, first loosen the set

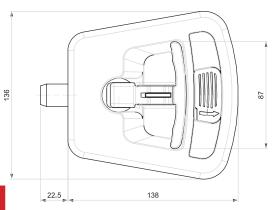


Code	Key Number	Mounting Method
M-014-4-12-07-0	CH751	Holes
M-014-4-12-07-1	CH751	M5 studs











FOLDING T HANDLES

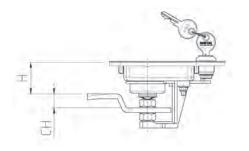
CAM ACCESSORIES FOR MIDNIGHT AND COMFORT SERIES

FEATURES:

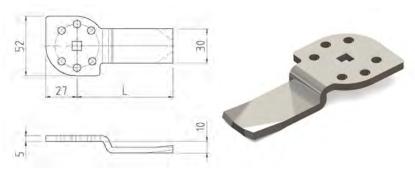
- Suit Midnight series and comfort series Folding T Handles
- Used to change cam grip

MATERIAL & FINISH

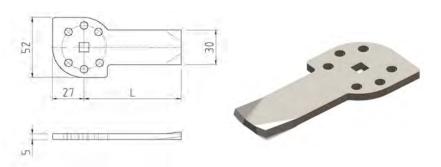
• 5mm Zinc coated mild steel



Showing cam assembled in stainless steel dish folding T handle



Code	Dimension "L"	Application
P3251-06-5	58mm	Comfort Series T handle
P3251-06-10	83mm	Midnight Series T handle



Code	Dimension "L"	Application
P3251-06-4	66mm	Comfort Series T handle
P3251-06-13	83mm	Midnight Series T handle



	1	
Code	Dimension "L"	Application
P3251-06-6	58mm	Comfort Series T handle
P3251-06-12	83mm	Midnight Series T handle



Showing 10502-PIN Pins & R-clips	Code	Description
securing eyelet locking rods to a Folding T Handle	10502-PIN	Pin & R-clip to secure eyelet rods to cams etc



10502-PIN

CAM ACCESSORIES FOR MIDNIGHT AND COMFORT SERIES

36

FEATURES:

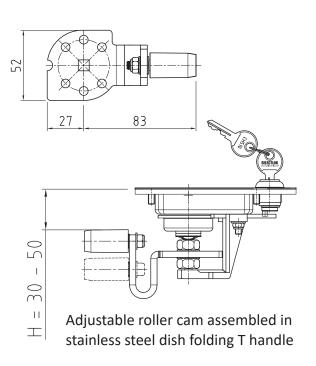
- Suit Midnight series and comfort series Folding T Handles
- Smoother operation seal compression
- · Adjustable cam grip

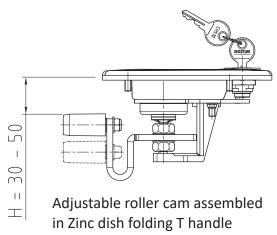
MATERIAL & FINISH

- 5mm Zinc coated mild steel
- Black polyamide Roller



Code	Description
P3251-06-14	Adjustable roller cam







Code	Description
10502-PIN	Pin & R-clip to secure eyelet rods to cams etc



Showing **10502-PIN** Pins & R-clips securing eyelet locking rods to a Folding T Handle



FOLDING T HANDLES

DUST CAP ACCESSORIES FOR MIDNIGHT AND COMFORT SERIES

FEATURES:

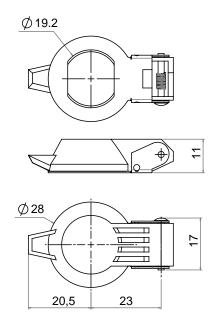
- Suits Midnight series and comfort series Folding T Handles with CH5## Key numbers (not SK## key numbers)
- Protect lock against dust / water ingress



WP003

10502-CAP





Code	Diameter (mm)	Finish
WP003	32.5	Black PA
10502-CAP	28	Zinc die cast

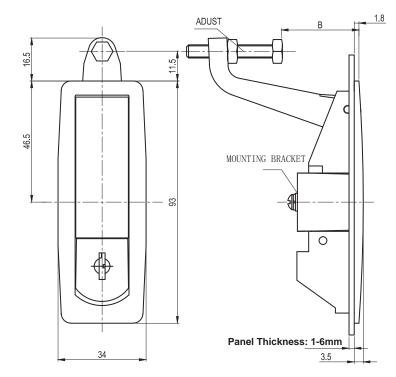


)8	COMPRESSION LOCKS	Pages
	Slim Compression Latches Flush Button Locking & Non-Locking	2
	Slim Compression Latches Raised Button Locking & Non-Locking	2
	Compression Latches Small Flush Button Locking	3
	Compression Latches Large Flush Button Locking	4
	Curved Compression Latches Large Raised Button Locking	5



SLIM LOCKING & NON-LOCKING ZINC

- Two grip ranges: 0-16mm, or 14-37mm
- Two button types: flush or raised trigger (easy to find button)
- Locking or non-locking
- Compression action for pulling up door seals
- Push button operation
- Zinc chrome plated or black powder coated





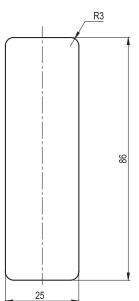
MS606-1437-FNL-BLK Flush Non Locking Black



MS606-1437-RT-BLK Raised Trigger Locking Black



MS606-0016-RT-CH Raised Trigger Locking Chrome



CUT OUT

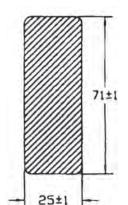
Code	Description	Adjustable Cam Grip (mm)	Key Number
MS606-0016-FNL-##	Flush trigger compression latch	0 - 16mm	Non-Locking
MS606-0016-F-##	Flush trigger compression latch	0 - 16mm	CH751
MS606-1437-FNL-##	Flush trigger compression latch	14 - 37mm	Non-Locking
MS606-1437-F-##	Flush trigger compression latch	14 - 37mm	CH751
MS606-1437-RTNL-##	Raised trigger compression latch	14 - 37mm	Non-Locking
MS606-1437-RT-##	Raised trigger compression latch	14 - 37mm	CH751

Colour: Replace suffix ##: -BLK = Black, or, -CH = Chrome

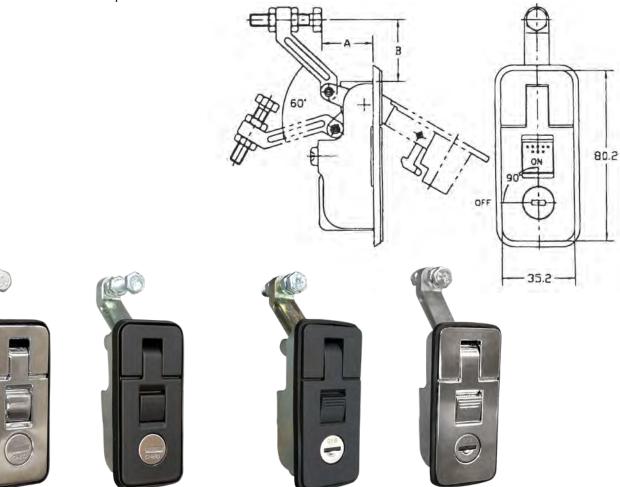


SMALL LOCKING ZINC

- Adjustable grip range: 15mm-30mm
- Flush push button
- Supplied with gasket
- Compression action for pulling up door seals
- Push button operation
- Different key numbers available
- Zinc chrome or black powder coated



CUT OUT



Code	Description	Adjustable Cam Grip A (mm)	Dimension B (mm)	Colour
10208-###	Push Button Compression	15 - 30	28.5	Chrome plated
10208-###-BLK	Push Button Compression	15 - 30	28.5	Black powder coated

10208-TL-E10

10208-TL-E10-BLK

= Key Number: CH501, 510, TL-E10 Available

10208-CH5###-BLK

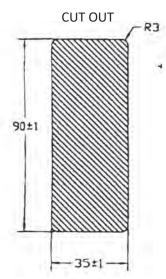


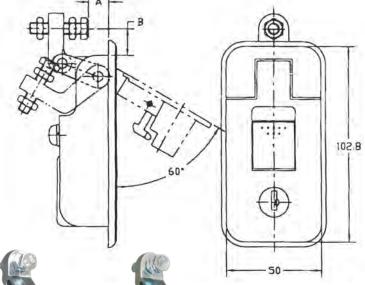
10208-CH5###

COMPRESSION LOCKS

LARGE LOCKING ZINC

- Two grip ranges: 1-15mm, or 20-32mm
- Flush push button
- Supplied with gasket
- Compression action for pulling up door seals
- Push button operation
- Different key numbers available
- Zinc chrome or black powder coated





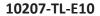






10207-CH5###-BLK







10207-TL-E10-BLK

Code	Description	Adjustable Cam Grip A (mm)	Dimension B (mm)	Colour
10207-###	Push Button Compression	20 - 35	28.5	Chrome plated
10207-###-BLK	Push Button Compression	20 - 32	28.5	Black powder coated
10207A-###-BLK	Push Button Compression	1 - 15	13.5	Black powder coated

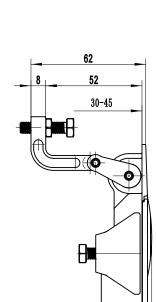
= Key Number: CH501, CH502, CH505, CH510 TL-E10 Available



COMPRESSION LOCKS

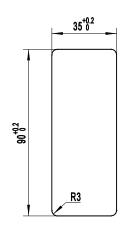
LARGE CURVED LOCKING

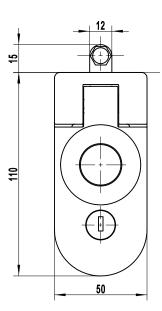
- Adjustable grip range: 30-45mm
- Flush curved design with slightly raised push button (easy to find)
- Supplied with gasket
- Compression action
- Push button release
- Quality feel with positive latching
- Zinc chrome or black powder coated



22 25

27.3











MS609-1A-1-BLK

Code	Description	Key Number	Adjustable Cam Grip (mm)	Colour
MS609-1A-1-BLK	Push Button Compression	CH751	30 - 45	Black powder coated
MS609-1A-1-CH	Push Button Compression	CH751	30 - 45	Chrome plated



09	CAM LOCKS	Pages
	Information - Cam Locks Versus Quarter Turns	2 - 3
	Information - Ordering Cam Locks	4
	Cylinder Locking Cam Locks	5 - 7
	Wing Knob Cam Locks Non-Locking & Padlockable	6 - 7
	Alternative Cams For Cam Locks	8
	Finland Key Type High Security Cam Lock	9
	Combination & High Security Tubular Key Cam Lock	10
	Combination Cam Lock	10
	High Security Tubular Key Slam Cam Lock	11
	Insert (Drive) Type Cam Locks (Mini Quarter Turns)	11
	Finger Pull, Dust Caps & Mounting Plate Accessories	12

OS CAM LOCKS



CAM LOCKS & QUARTER TURNS OVERVIEW

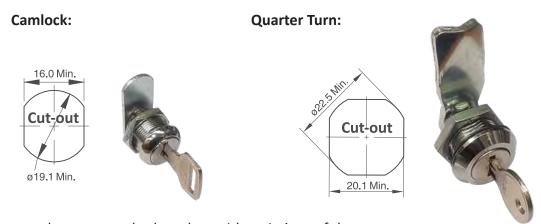
UNDERSTANDING THE DIFFERENCE BETWEEN CAM LOCKS AND QUARTER TURNS

Cam Locks and Quarter Turns consist of a threaded housing which is secured in the door panel by a hex lock nut.

The latching mechanism is usually either a rotating cam (metal tongue) fixed to the back of the housing or a spring loaded slam snib (like the snib on a standard house door). There are options for the cam to be replaced with a multi-point cam which can actuate rods or cables to latch the door in multiple points for extra security or to create a better seal against the elements (dust/rain).

The user operation is often just by way of a standard blade type key, but can be a wingknob with key, or an insert type drive (e.g. square / triangle / double bit) with matching drive type key, or it can be non-locking with a simple wing knob to unlatch the door. In the case of Quarter Turns larger handle options are available such as T Handles and L Handles enabling more force to be used to close the door.

Cam Locks and Quarter Turns are different in physical size and cut-out shape:



However there are also non-standard product with variations of these two cut-outs.

While their basic functionality may appear the same, Quarter Turn's are larger, more robust and are specially designed for a wider range of applications:

Cam Locks can be:

- Non-locking (e.g. wing knob or push knob) to latch a door closed.
- Cylinder locks (key locking) to both latch and lock the door for security.
- Keyed electrical switches whereby the turning of the key can close / open an electrical circuit.

Quarter Turns can be:

- Non-locking (e.g. wing handle) to latch a door closed.
- Key Locking (cylinder lock, keyed wing handle) to both latch and lock the door for security.
- Insert type (e.g. square drive, triangle drive, double-bit drive, etc) for industrial use where a flush, robust, semi-secure lock is required with sufficient key strength to cope with sealing rubber back force.
- Multiple point latching (throw rods or pull cables to actuate top and bottom door latching points).
- IP65 rating for use in dusty / wet applications.
- Stainless steel options for use in more corrosive environments.
- Many other handle options will fit the standard Quarter Turn cut-out such as T Handles, L Handles, Combination Locks, etc.



CAM LOCKS & QUARTER TURNS OVERVIEW

SELECTING THE RIGHT PRODUCT

Terminology:

- Latching is when the cam rotates into position to hold the door closed.
- Locking is when a key disables free rotation of the handle / unlatching of the cam.

Important Note:

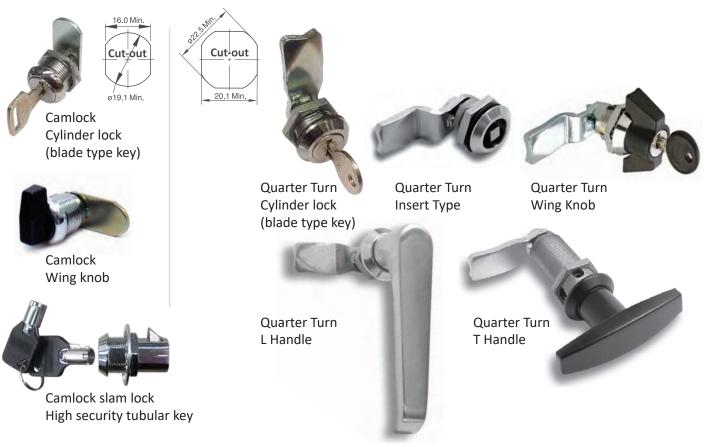
A cylinder lock (standard blade type key) must not be used to latch/unlatch a cam if there is friction on the cam because the key could break off in the barrel. Consequently, if you have seal back force creating friction when the cam latches, you cannot use a standard keyed Camlock, or a cylinder lock quarter turn. Instead use either an Insert Type Quarter Turn, or a Wing handle, L-Handle or T-Handle so that the handle manages the force of latching and the key spins freely to lock the handle.

See selection table:

Application:	Camlock:	Quarter Turn:
Door is lightweight and easy to close	Yes	Yes
Door not easy to close (e.g. seal back force)	Do not use *	Wing handle, L or T Handle, or Insert Type
Multiple point latching required	Do not use	Wing handle, L or T Handle, or Insert Type
Door is heavy / rough handling / could slam in wind	Do not use **	Yes
Vertical door panel with water / dust present	M-350 only	Yes
Horizontal (lid) panel, water / dust present	Do not use	Yes - use Wing, L or T Handle
Corrosive elements present	Do not use	Yes - use 316 Stainless Steel models

* Camlock cams are flat without caulking (no curved edges) so cannot pull up against door seal back force.

** 264-9103 Slam Camlock with tubular key may be suitable for some installations.

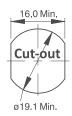


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CAM LOCKS

INFORMATION FOR ORDERING

When ordering please advise us of the following:

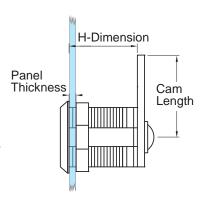


1. PANEL THICKNESS:

How thick is your door panel? This will determine the housing length required.

2. H-DIMENSION:

What is the H-Dimension of your installation? This is the distance from the front of the door panel back to where the cam latches. This will be a factor of both housing length and a step (bend) in the cam (tongue).



3. CAM LENGTH:

How long does your cam need to be from centre of housing out to the end to securely latch?

90°, 12 open, 9 locked

4. KEY:

Do you require a particular key number? Do you require multiple cam locks keyed the same "Keyed Alike", or would you like them all with different keys "Keyed to Differ"?

5. CAM ANGLE OF ROTATION AND DIRECTION:

Do you require 90° or 180° rotation of the cam?

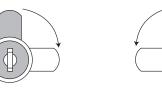
Holding the two flat sides of the housing in vertical orientation as shown below and referencing the hour numbers on a clock - what locked and open positions do you require for the cam (tongue)?

Hold Camlock with housing flats vertical and key separations (cut edge) pointing up

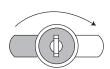


Examples:

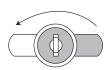
90°, 12 open, 3 locked



180°, 9 open, 3 locked



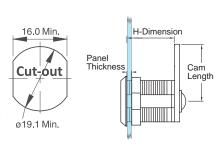
180°, 3 open, 9 locked



For our range of "ALR CAM LOCKS" - in the event we do not have a preset (pre-assembled) Camlock with the correct cam angle / rotation, you can simply remove the screw retaining the cam and adjust the kidney (washer) orientation on the rear of the lock to achieve the desired cam functionality.

CAM LOCKS ALR CAM LOCKS KEY LOCKING ZINC CHROME





- Cylinder lock
- Single sided serrated blade type key

Code (mm)	Max Panel Thickness	H- Dimension	Cam Length	Key Num- ber	Master Key		Rotation and Preset to Closed Position)
ALR302LT3605B11	3	6	36	92268	N/A	180°	12 6, 12 6
ALR314LS19Z11	3	11	19	009	N/A	180°	12 6, 12 6
ALR511LS20Z16	7	16	20	144	N/A	90°	12 3
ALR511LS28Z16B	7	16	28	144	N/A	90°	12 9
ALR411LS28Z16	7	16	28	144	N/A	90°	12 3
ALR3M5LS28Z16	7	16	28	Mixed	Yes	180°	12 6, 12 6
ALR10MLS30Z16	7	16	30	Mixed	Yes	90°	12 3
ALR3020S30B16	7	16	30	92268	N/A	180°	12 6, 12 6
ALR410LS30Z16	7	16	30	CH510	N/A	90°	12 3
ALR461LS30Z16	7	16	30	CH502	N/A	90°	12 3
ALR501LS30Z16	7	16	30	CL001	N/A	90°	12 9
ALR507LS30Z16SC	7	16	30	CL003	N/A	90°	12 9
ALR307LS30Z16	7	16	30	CL003	N/A	180°	12 6, 12 6
ALR509LS30Z16	7	16	30	550	N/A	90°	12 9
ALR511LS30Z16	7	16	30	144	N/A	90°	12 9
Continued next p	age						

- Preset cam position / rotation can be changed by removing the cam and adjusting the kidney (notched washer) orientation on the rear of the lock to achieve the desired functionality.
- * Key can be removed in open and locked positions for all the above, except ALR2M1LA3012B16.



CAM LOCKS ALR CAM LOCKS KEY LOCKING ZINC CHROME

Thickness Panel Thickness Cam Length

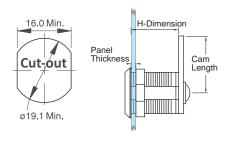
- Cylinder lock
- Single sided serrated blade type key

Code (mm)	Max Panel Thickness	H- Dimension	Cam Length	Key Num- ber	Master Key		Rotation and Preset to Closed Position)
Continued from p	previous page	2					
ALR2M1LA3012B16	7	28	30	Mixed	Yes	90°	* 12 9
ALR511LS30Z19	10	19	30	144	N/A	90°	12 9
ALR40MLH40B20	11	20	40	Mixed	No	90°	12 3
ALR302LA3206B22	13	16	32	92268	N/A	180°	12 6, 12 6
ALR402LS30Z30	20	30	30	92268	N/A	90°	12 3

- Preset cam position / rotation can be changed by removing the cam and adjusting the kidney (washer) orientation on the rear of the lock to achieve the desired functionality.
- Key can be removed in open and locked positions for all the above, except ALR2M1LA3012B16.

ALR CAM LOCKS WING KNOB NON LOCKING ZINC BLACK / CHROME





• Non locking wing knob

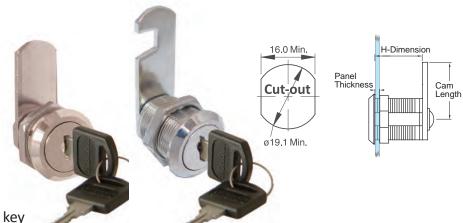
Code	(mm)	Max Panel Thickness	H- Dimension	Cam Length	Key Number	Master Key	Cam: F (Open	Rotation and Preset to Closed Position)
ALR5WKOS30	Z16	7	19	30	Non Locking	N/A	90°	6 9, 3 12

Note:

- The preset cam position / rotation can be changed by removing the cam and adjusting the kidney (washer) orientation on the rear of the lock to achieve the desired functionality.



CAM LOCKS 505 CAM LOCKS KEY LOCKING ZINC CHROME



- Cylinder lock
- Double sided serrated blade type key

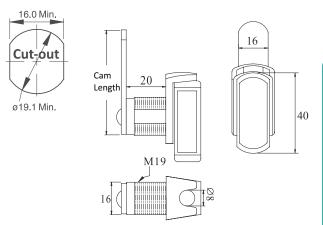
Code (mm)	Max Panel Thickness	H- Dimension	Cam Length	Key Number	Master Key		otation and Preset to Closed Position)
C505-16-KA135	9	17	28	135	N/A	90°	12 9, 6 3
N505-16-KA120	9	17	28	120	N/A	90°	12 3, 6 9
N505-16-KD	9	17	28	Mixed	Yes	90°	Not Assembled
N505-16-KD/180	9	17	28	Mixed	Yes	180°	12 6, 12 6
N505-20-KA120	13	20	28	120 Hinged	N/A	90°	Not Assembled
N505-23-KA120	15	22	28 Hooked	120 Hinged	N/A	90°	Not Assembled
N505-26-KA120	19	26	38	120 Hinged	N/A	90°	Not Assembled
N505-30-KA120/180	23	29	48	120	N/A	180°	12 6, 12 6

⁻ Key can be removed in open and locked positions for all of the above.

WING KNOB CAM LOCK PADLOCKABLE ZINC CHROME

• Padlockable wing knob





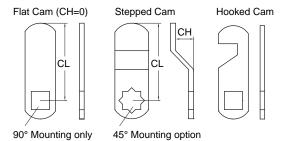
Code (mm	Max Panel	H-	Cam	Key	Master	Cam: R	otation and Preset
	Thickness	Dimension	Length	Number	Key	(Open t	to Closed Position)
LM0661.20.F.06.FL	13	20	30	Padlockable	N/A	180°	9 3

SAM LOCKS

CAM LOCKS

ALR CAM LOCKS - CAM ONLY STEEL ZINC

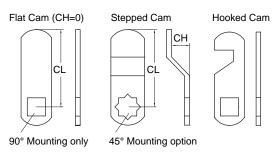
ALR Cam Lock cams do not have caulking (no curved edges). Consequently, cams with a step (bend) can be used to either step in towards door (smaller H-Dimension), or reversed to step out away from the door (larger H-Dimension)



Code	Cam Height (Change To Camlock H-Dimension) (mm)	Cam Length (mm)	Cam Features	Compatible Camlock Codes
CAM20	0 (flat)	19	Plain, 45° option	ALR
CAM28	0 (flat)	28	Plain, 45° option	ALR
CAM28-8-18	-12 or +12	30	Plain, 45° option	ALR
CAM-28-8SQ	0 (flat)	28	Plain, 90° only	ALR
CAM36-8SQ	0 (flat)	36	Plain, 90° only	ALR
CAM45	-10 or +10	46	Plain, 45° option	ALR
CAM55	-6 or +6	32	Plain, 45° option	ALR
CAM30	0 (flat)	28	Plain, 45° option	ALR
S-CM-C010	0 (flat)	32	Plain, 90° only	ALR
S-CM-C014	0 (flat)	45	Plain, 90° only	ALR

505 CAM LOCK - CAM ONLY STEEL ZINC

505 Cam Lock cams do not have caulking (no curved edges). Consequently, cams with a step (bend) can be used to either step in towards door (smaller H-Dimension), or reversed to step out away from the door (larger H-Dimension)



Code	Cam Height (Change To Camlock H-Dimension) (mm)	Cam Length (mm)	Cam Features	Compatible Camlock Codes
LCAM02	0 (flat)	40	Plain, 45° option	#505
LCAM03	0 (flat)	25	Plain, 45° option	#505
LCAM05	0 (flat)	45	Plain, 45° option	#505
LCAM-06-28	-4 or +4	28	Plain, 45° option	#505
LCAM10	-7 or +7	40	Hooked, 45° option	#505
LCAM11	-4 or +4	40	Plain, 45° option	#505
LCAM28.5	-3.5 or + 3.5	28.5	Plain, 45° option	#505
CMK55	0 (flat)	40	Plain, 45° option	#505



HIGH SECURITY CAMLOCK FINLAND KEY ZINC CHROME

16.0 Min.

Panel Thickness

Out-out

Ø19.1 Min.

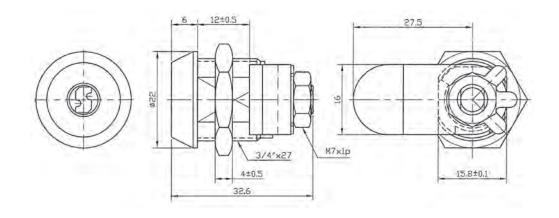
- Very high security cylinder lock
- Finland type key







Cam Length



Code	(mm)	Max Panel Thickness	H- Dimension	Cam Length	Key Number	Master Key	Cam: I (Open	Rotation and Preset to Closed Position)
8418-KA			12	28	418	N/A	90°	6 3, 12 9

- Key rotates 180°
- Key can only be removed in locked position.
- Preset cam position / rotation can be changed by removing the cam and adjusting the kidney (washer) orientation on the rear of the lock to achieve the desired functionality.

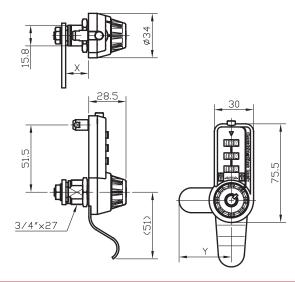


COMBINATION CAMLOCK WITH KEY OVERRIDE **ZINC CHROME**

H-Dimension 16.0 Min. Panel Thickness Cam Length Cut-out ø19.1 Min

• Combination lock with high security tubular override key





7440-S-KA

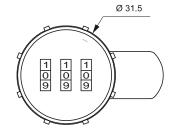
Code	(mm)	Max Panel Thickness	H- Dimension	Cam Length	Key Number	Cam: F (Open	Rotation and Preset to Closed Position)
7440-S-KA		8	17.5	38.5	440	90°	6 0 9

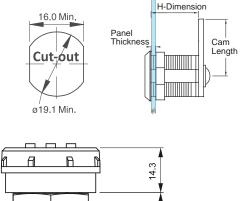
- Preset cam position can be changed.

- Mixed key available on request

COMBINATION CAMLOCK ZINC CHROME







18.5

M-4150

Code	(mm)	Max Panel Thickness	H- Dimension	Cam Length	Key Number	Cam: F (Open	Rotation and Preset to Closed Position)
M-4150		10	18.5	30	N/A	90°	6 3

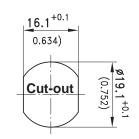
- Preset cam position / rotation can be changed by removing the cam and adjusting the kidney

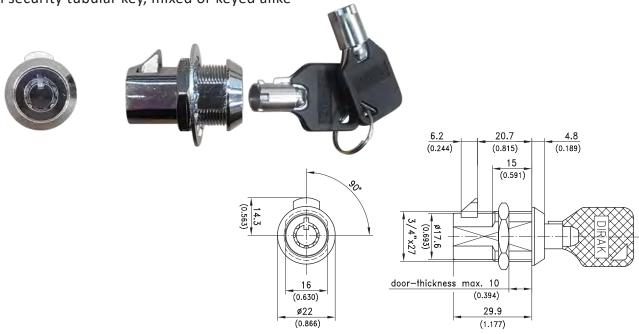


SPRING LOADED SLAM LOCKS ZINC CHROME

• Spring loaded slam cam





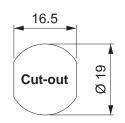


Code	(mm)	Max Panel Thickness	H-Dimension	Cam Length	Key Number	Master Key
264-9103-01		9	20	5	21301	N/A
264-9103-MK		9	20	5	Mixed	Yes

MINI QUARTER TURNS INSERT TYPE ZINC CHROME

See Section 10: 30 for Mini-Quarter turns with similar size cut-out to Cam Locks





Code	Inse	rt (Drive / Key Type)	Cam H Dimension		
M-350-1-1-13-6X32		3mm Double Bit	14mm or 26mm		
M-350-1-1-27-6X32		7mm Square	14mm or 26mm		
M-350-1-1-37-6X32	\bigcirc	7mm Triangular	14mm or 26mm		
M-350-1-1-42-6X32	\ominus	Slotted	14mm or 26mm		

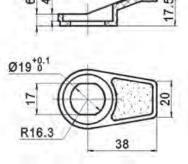


CAM LOCKS ACCESSORIES

HP003 Finger pull

Note: Mounting flange is 2mm thick, so reduces maximum panel thickness and H-Dimension of Camlock by 2mm

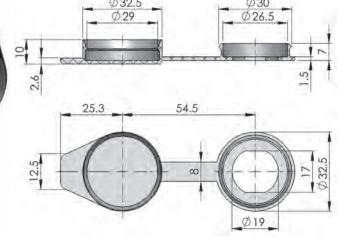




WP003 Dust Cap Note: Mounting flange is 1.6mm thick, so reduces maximum panel thickness and H-Dimension of Camlock by 1.6mm





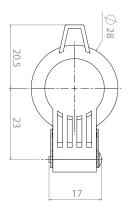


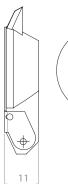
10502-CAP Dust Cap

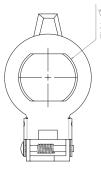
Note: Mounting flange is 0.5mm thick, so reduces maximum panel thickness and H-Dimension of Camlock by 0.5mm











FACEPLATE SS

Stainless cam lock cut-out plate 31 x 42mm with 4mm fold over Note: Plate is 0.8mm thick, so reduces maximum panel thickness of Camlock by 0.8mm





A0065 Timber Spur Washer

320D x 1.0mm

Enables easy installation into timber: drill round hole and use spur washe to bite into wood to hold Camlock in correct orientation.

Note: Washer is 1.0mm thick, so reduces maximum panel thickness of Camlock by 1.0mm



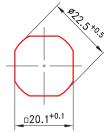
10	QUARTER TURNS	Pages
	Quarter Turn Product Range	2
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	Wing Handle Non-Locking, Key Locking, Padlockable Quarter Turns	5 - 9
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QUARTER TURNS PRODUCT RANGE

SEE SECTION 9, PAGES 2-3 TO UNDERSTAND THE DIFFERENCES BETWEEN QUARTER TURNS & CAM LOCKS





MANY OPTIONS:

Types:

- Insert / Drive
- Cylinder Lock
- Compression Lock
- Combination Lock
- Wing Knob
- Padlockable Wing knob
- L Handle
- T Handle

Materials / Colours:

- Polyamide (Plastic) Black
- Zinc
- Zinc Black
- 316 Stainless Steel

Accessories:

- Finger Pull
- Dust Cap

Plus Hundreds More!

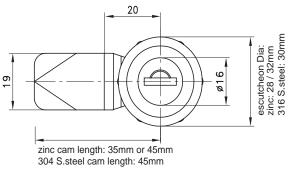
Only a small selection of **Quarter Turn products are** shown in this catalogue

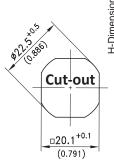
Contact us for further options

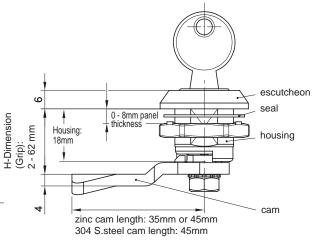


SELECTLOK NEW ZEALAND LTD

CYLINDER LOCK TYPE KEY LOCKING







ZINC CHROME

- 28mm or 32mm Diameter x 6mm H escutcheon (front face)
- 18mm long housing Fits panel thickness up to 8mm
- Order cam separately: H-Dimensions of 2mm 62mm IP65



Cam Code

Order cam separately using code:

200-04##

= Your

28mm Diameter Escutcheon:

Zinc Chrome Code	Key Type / Number	Zinc Black Code	Key Type / Number
200-9201	DIRAK 1333	200-9202	DIRAK 1333
200-9203-144S	DIRAK 144		
200-9203-92268	DIRAK 92268		
200-9203-CL001	DIRAK CL001		
200-9203-CL003	DIRAK CL003		
200-9203	Mixed Key	200-9204	Mixed Key

32mm Diameter Escutcheon:

				$\pi\pi$ – 1001
Zinc Chrome Code	Key Type / Number	Zinc Black Code	Key Type / Number	H-Dimension
200-9205	DIRAK 1333	200-9206	DIRAK 1333	between:
200-9207-144\$	DIRAK 144			02-62mm
M-063-1-1-03-00	4444	M-063-2-2-00-13	4444	02 02111111
200-9207	Mixed Key	200-9208	Mixed Key	

316 STAINLESS STEEL

- 30mm Diameter x 6mm H escutcheon (front face)
- 18mm long housing Fits panel thickness up to 8mm
- Order cam separately: H-Dimensions of 6mm 50mm IP65
- Note 05## stainless steel cams are 304 grade and 45mm long



30mm Diameter Escutcheon:

316 S.Steel Code Key Type / Number		Cam Code		
200-9232	DIRAK 1333	Ouder core consustation soins code: 200 05## (OC		
200-9233	Mixed Key	Order cam separately using code: 200-05##	(06-5011111)	



QUARTER TURNS

DUST / WATER CAP ACCESSORY POLYAMIDE

- IP65 Dust / water cap to fit quarter turns up to 32mm diameter x 6mm high escutcheon
- Reduces the locks panel thickness capability by 1mm

Code	Description	Material
200-4101	Water / dust cap	Polyamide

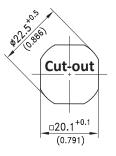


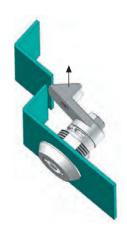
200-4101 shown on 200-9207-144S cylinder lock with 200-0455 cam with 55mm grip

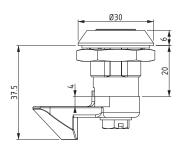
CYLINDER LOCK TYPE KEY LOCKING SPRING LOADED SLAM CAM ZINC

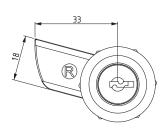
- 30mm Diameter x 6mm H escutcheon (front face)
- Fits panel thickness up to 8mm
- H-Dimension = 24mm

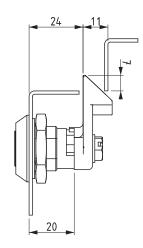












Code	Material / Finish	Key Type / Number	Left Right
M-163-1-1-07-001*	Zinc / Chrome	CH751	Right
M-163-1-1-07-002*	Zinc / Chrome	CH751	Left
M-163-1-2-07-001	Zinc / Black	CH751	Right
M-163-1-2-07-002	Zinc / Black	CH751	Left

^{*} Special order product



QUARTER TURNS

WING KNOBS NON LOCKING PLASTIC & ZINC

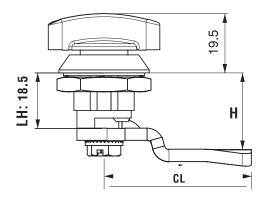
Cut-out

(0.791)

- Pre-assembled for reduced installation time
- 32mm H Escutcheon (front face)
- 18.5mm Long housing
- IP65







M-362-1-2-36-1 Zinc Black





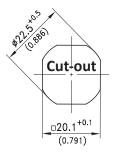
Code	Knob Material
M-362-1-1-36-1	Zinc, Chrome
M-362-1-2-36-1	Zinc, Black
M-362-2-0-0-1	Polyamide plastic

Cam H-Dimension (mm)
26 (Included)
26 (Included)
NA

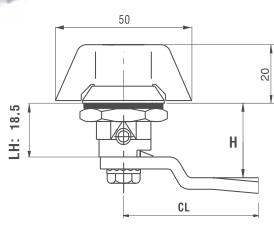


WING HANDLE
KEY LOCKING
POLYAMIDE & ZINC





- 32mm Diameter escutcheon x 20mm H Handle18mm long housing
- Fits panel thickness up to 8mm
- Many cam options for H-Dimensions of 2mm 62mm
- IP65



Code	Material / Colour	Key Number	Cam H-Dimension (mm)
M-065-1-1-00-36	Zinc Chrome	Non Locking	26 (Included)
200-9301	PA Wing Black, Zinc Barrel and Housing	Non Locking	Order Separately
200-9302	PA Wing Black, Zinc Barrel and Housing	1333	Order Separately
200-9303	PA Wing Black, Zinc Barrel and Housing	Mixed	Order Separately
200-9303-144S	PA Wing Black, Zinc Barrel and Housing	144S	Order Separately
200-9303-92268	PA Wing Black, Zinc Barrel and Housing	92268	Order Separately
200-9303-92380	PA Wing Black, Zinc Barrel and Housing	92380	Order Separately
200-9303-92390	PA Wing Black, Zinc Barrel and Housing	92390	Order Separately
200-9303-CL001	PA Wing Black, Zinc Barrel and Housing	CL001	Order Separately
200-9303-CL003	PA Wing Black, Zinc Barrel and Housing	CL003	Order Separately
M-065-1-1-92268-00	Zinc Chrome	92268	Order Separately
M-065-1-1-CL001-00	Zinc Chrome	CL001	Order Separately
M-065-1-1-05-33	Zinc Chrome	5333	22 (Included)
M-065-1-1-07-36	Zinc Chrome	CH751	26 (Included)
M-065-1-1-36-1-####	Zinc Chrome	#### = Multiple Key numbers available	26 (Included)

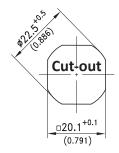
Extended Housing:

200-9322	PA Wing Black, Zinc Barrel and Housing Non Locking		Order Separately
200 3322	*Extended Housing - fits 20mm Door*	Non Locking	Order Separatery

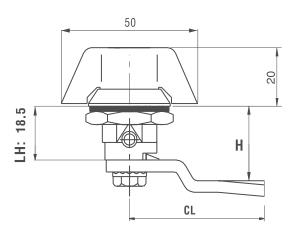


QUARTER TURNS

WING HANDLE KEY LOCKING & NON LOCKING 316 STAINLESS STEEL





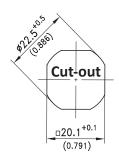


- 32mm Diameter escutcheon x 20mm H Handle
- 18mm long housing Fits panel thickness up to 8mm
- Many cam options for H-Dimensions of 6mm 50mm
- IP65

Code	Material / Colour	Key Number	Cam H-Dimension (mm)
M-065-4-0-00-36	316 Stainless Steel	Non Locking	26 (Included)
M-065-4-0-07-36	316 Stainless Steel	CH751	26 (Included)
M-065-4-0-144-36	316 Stainless Steel	144	26 (Included)
M-065-4-0-CL001-36	316 Stainless Steel	CL001	26 (Included)
M-065-4-0-CL003-36	316 Stainless Steel	CL003	26 (Included)

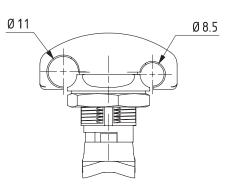
QUARTER TURNS

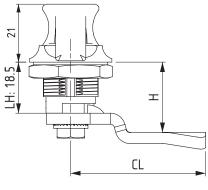
WING HANDLE PADLOCKABLE ZINC CHROME

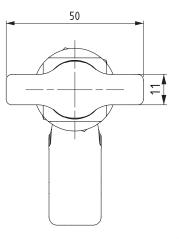


- Universal Left and Right hand
- Two padlock hole options:
 - 11mm Hole fits up to 10mm padlock
 - 8.5mm Hole fits up to 6mm padlock
- Fits panel thickness up to 8mm









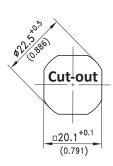


Code	Material/Finish	Handedness	Cam H-Dimension (mm)
M-562-1-1-36	Zinc, Chrome	Universal	26 (Included)
M-562-1-2-36	Zinc, Black	Universal	26 (Included)



QUARTER TURNS

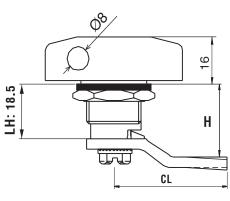
WING HANDLE PADLOCKABLE ZINC & 316 STAINLESS STEEL



M-262-1-36-00#

- Zinc chrome
- Fits up to 6mm padlock
- Fits panel thickness up to 8mm



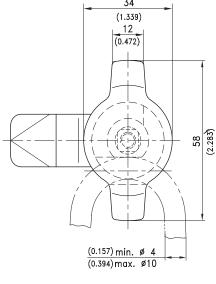


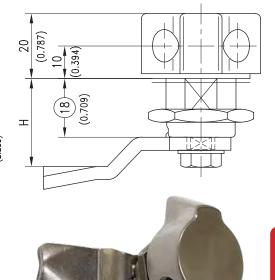


200-93##

- Zinc black or 316 Stainless steel
- Fits 4mm 10mm padlock
- Fits panel thickness up to 8mm





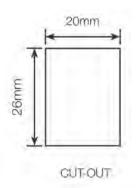


Code	Material/Finish	Handedness	Cam H-Dimension (mm)
M-262-1-36-001	Zinc, Chrome plated	Right hand	26 (Included)
M-262-1-36-002	Zinc, Chrome plated	Left hand	26 (Included)
200-9365	Zinc Black	Universal	Order Separately
200-9375	316 Stainless Steel	Universal	Order Separately

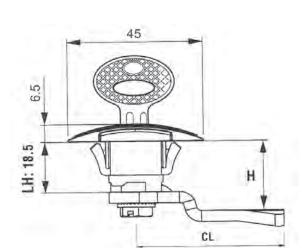


QUARTER TURNS

CLIP IN LOCK KEY LOCKING POLYAMIDE / ZINC



- Clip-in fixing for easy assembly
- To suit panel thickness 0.8-1.8mm
- Reduced installation time
- Inbuilt finger grip
- Polyamide / Zinc
- Many cam options for H-Dimensions of 6mm 50mm





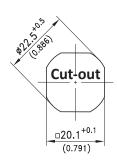


Code	Key Number	Cam H-Dimension (mm)
M-261-2-0-05-36	1333	Order Separately



QUARTER TURNS

L HANDLES KEY LOCKING & NON-LOCKING PLASTIC, ZINC & STAINLESS STEEL



- Non-Locking, Cylinder Locking, or Padlockable available
- Polyamide plastic, Zinc Chrome, or 316 Stainless Steel
- Fit panel thickness up to 8mm
- Single or Multi-point cam options

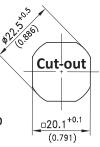


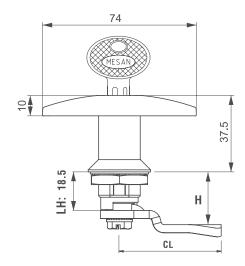
Code	Material / Colour	Key Number	Cam H-Dimension (mm)
200-9401 M-111-1-1-00-36	PA Handle Black, Zinc Barrel and Housing Zinc Chrome	Non Locking Non Locking	Order Separately 26 (Included)
200-9402 200-9403 200-9403-144S M-111-2-0-05-36 M-111-1-1-05-36 200-9437-92268	PA Handle Black, Zinc Barrel and Housing Zinc Chrome Zinc Chrome	1333 Mixed 144S 5333 5333 92268	Order Separately Order Separately Order Separately 26 (Included) 26 (Included) Order Separately
200-9485 200-9425 200-9481	316 Stainless Steel 316 Stainless Steel 316 Stainless Steel	1333 Padlockable Padlockable	Order Separately Order Separately Order Separately



T HANDLES KEY LOCKING & NON-LOCKING

- Non-Locking, or Cylinder Locking available
- Polyamide plastic, Zinc Chrome, or 316 Stainless Steel
- Standard 18mm housing fits panel thicknesses up to 8mm, or Extended housing options available
- Single or Multi-point cam options







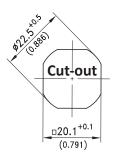
Code	Material / Colour	Key Number	Cam H-Dimension (mm)
200-9307	PA Handle Black, Zinc Barrel and Housing	Non Locking	Order Separately
M-110-1-1-00-36	Zinc Chrome	Non Locking	26 (Included)
200-9321	Zinc Chrome	Mixed	Order Separately
200-9320	Zinc Chrome	1333	Order Separately
M-110-1-1-05-36	Zinc Chrome	5333	26 (Included)
M-110-2-0-05	PA Handle Black, Zinc Barrel and Housing	5333	Order Separately
200-9308	PA Handle Black, Zinc Barrel and Housing	1333	Order Separately
200-9309-144\$	PA Handle Black, Zinc Barrel and Housing	144S	Order Separately
200-9374	316 Stainless Steel	Non Locking	Order Separately
200-9398	316 Stainless Steel	1333	Order Separately
EXTENDED HOUSING	G:		
200-9353 (Up to 30mm Door)	PA Handle Black, Zinc Barrel and Housing	Non-Locking	Order Separately
200-9313 (Up to 20mm Door)	PA Handle Black, Zinc Barrel and Housing	1333	Order Separately
200-9344 (Up to 50mm Door)	Zinc Chrome	1333	Order Separately



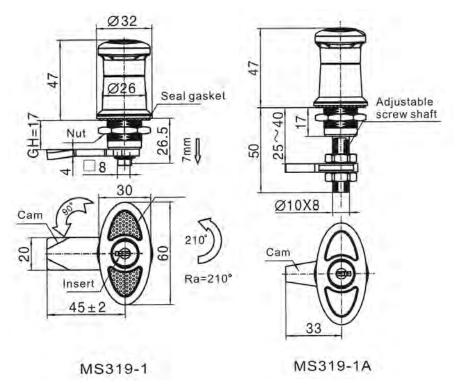
QUARTER TURNS

T HANDLE COMPRESSION TYPE SILVER

- Provides 7mm compression on closing
- Reduced fixing time
- Fully assembled
- Standard key K28
- Zinc silver







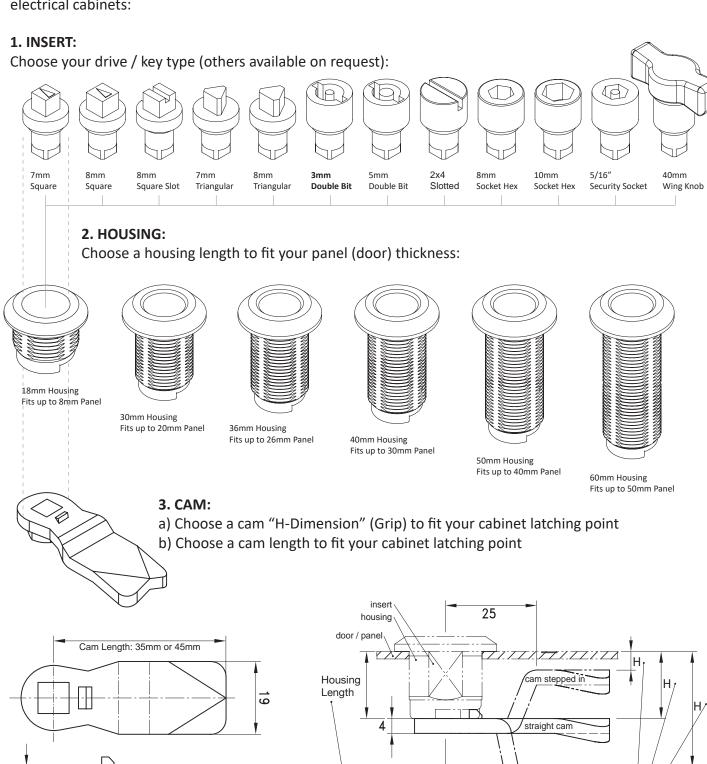
Code	Key Number	Length (mm)	Cam H-Dimension (mm)
MS319-1	Keyed K28	26.5	26 (Included)
MS319-1A	Keyed K28	50	26 (Included)



QUARTER TURNS

INSERT (DRIVE) TYPE OVERVIEW

There are three components to the common insert (drive) type quarter turn lock commonly used on electrical cabinets:



cam stepped out

Housing Length + Cam Height = H-Dimension ("Grip")

20

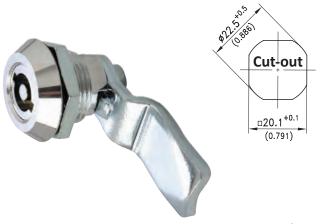
Cam

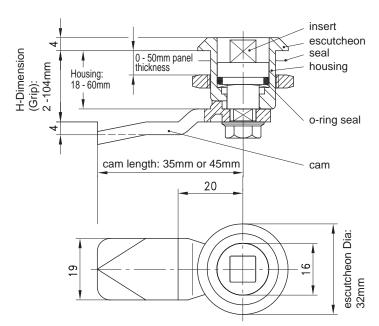
Height .

20

QUARTER TURNS

INSERT (DRIVE) TYPE ZINC CHROME





- 28mm or 32mm Diameter x 4mm H escutcheon (front face)
- 18mm long housing
- Fits panel thickness up to 8mm
- Many cam options for H-Dimensions of 2mm 62mm
- IP65

28Dia x 18mm Housing Code	32Dia x 18mm Housing Code	Insert Code	(Drive / Key Type)	Cam Code	Matching Key Code
200-9001	200-9005	200-9102	7mm Square	Order cam	204-0102
200-9001	200-9005	200-9103	8mm Square	separately	204-0103
200-9001	200-9005	200-9111	8mm Square Slotted	using code: 200-04##	204-0103 (flat screw driver)
200-9001	200-9005	200-9104		## = Your	204-0104
200-9001	200-9005	200-9105	8mm Triangular	H-Dimension between:	204-0105
200-9001	200-9005	200-9107	3mm Double Bit		204-0107
200-9001	200-9005	200-9108	5mm Double Bit	02-62mm	204-0108
Black also available - Contact us.					701-7047 (multi drive key)

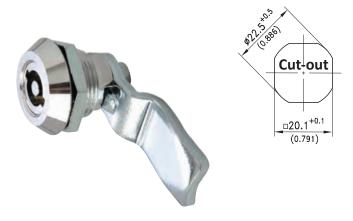
EXTENDED HOUSING OPTIONS (30mm/36mm/40mm/50mm/60mm)

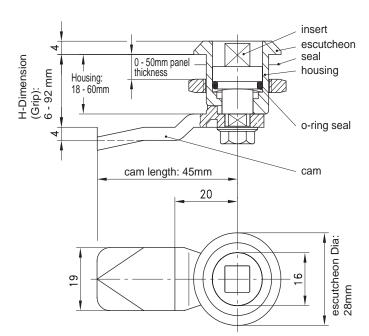
- 32mm Diameter x 4mm H escutcheon (front face) Options to fit panel thickness up to 50mm
- Many cam options for H-Dimensions of 14mm 104mm IP65

			32Dia x 40mm		
	Housing	Housing	Housing	Housing	Housing
Housing Code	200-9011	200-9015	200-9019	200-9023	200-9027
Adaptor Code:	200- 9031	200-9032	200-9033	200-9034	200-9035
Suit Panel Thickness:	Up to 20mm	Up to 26mm	Up to 30mm	Up to 40mm	Up to 50mm
Cam H-Dimension Range:	14mm-74mm	20mm-80mm	24mm-84mm	34mm-94mm	44mm-104mm



INSERT (DRIVE) TYPE316 STAINLESS STEEL





- 28mm Diameter x 4mm H escutcheon (front face)
- 18mm long housing
- Fits panel thickness up to 8mm
- Many cam options for H-Dimensions of 6mm 50mm. Note: 05## stainless steel cams are 304 grade and 45mm long
- IP65

28Dia x 18mm Housing Code	Insert Code	(Drive / Key Type)	Cam Code	Matching Key Code
200-9043	200-9119	7mm Square	Order cam separately	204-0102
200-9043	200-9120	8mm Square	using code:	204-0103
200-9043	200-9121		200-05##	204-0104
200-9043	200-9122	8mm Triangular	## = Your	204-0105
200-9043	200-9123	3mm Double Bit	H-Dimension between:	204-0107
200-9043	200-9124	5mm Double Bit	06-50mm	204-0108
				701-7047 (multi drive key)

EXTENDED HOUSING OPTIONS (30mm/36mm/40mm/50mm/60mm)

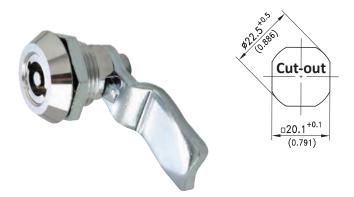
- 28mm Diameter x 4mm H escutcheon (front face)
- Options to fit panel thickness up to 50mm IP65
- Many cam options for H-Dimensions of 18mm 92mm. Note: 05## stainless steel cams are 304 grade and 45mm long

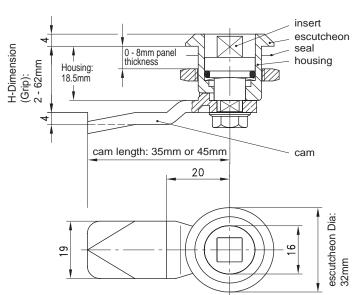
	28Dia x 30mm	28Dia x 36mm	28Dia x 40mm	28Dia x 50mm	28Dia x 60mm
	Housing	Housing	Housing	Housing	Housing
Housing Code:	200-9072	200-9024	200-9073	200-9074	200-9075
Adaptor Code:	100-9019	100-9020	100-9021	100-9022	100-9023
Suit Panel Thickness:	Up to 20mm	Up to 26mm	Up to 30mm	Up to 40mm	Up to 50mm
Cam H-Dimension Range:	18mm-62mm	24mm-68mm	28mm-72mm	38mm-82mm	48mm-92mm



QUARTER TURNS

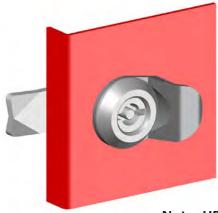
INSERT (DRIVE) TYPE SAFETY (SPRING LOADED CAM) ZINC CHROME





- 32mm Diameter x 4mm H escutcheon (front face)
- 18.5mm long housing
- Fits panel thickness up to 8mm
- Many cam options for H-Dimensions of 2mm 62mm
- Vibration resistant spring loaded cam
- IP65

Housing + Insert Code	Insert	(Drive / Key Type)	Cam Code	Matching Key Code
M-060-1-1-27-00-1		7mm Square	Order cam	204-0102
M-060-1-1-28-00-1		8mm Square	separately using code:	204-0103
M-060-1-1-42-00-1		2x4mm Slotted	200-04##	Flat screw driver
M-060-1-1-37-00-1		7mm Triangular		204-0104
M-060-1-1-38-00-1		8mm Triangular	## = Your H-Dimension	204-0105
M-060-1-1-13-00-1		3mm Double Bit	between:	204-0107
M-060-1-1-15-00-1		5mm Double Bit	02-62mm	204-0108
	_			701-7047 (multi drive kev)

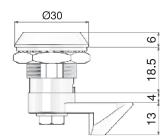


• Note: HP001 Finger pull accessory shown available separately

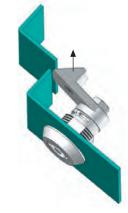


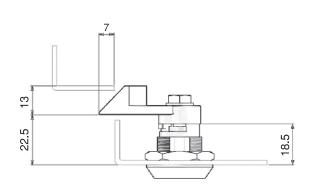
INSERT (DRIVE) TYPE
SPRING LOADED SLAM CAM
ZINC











- 30mm Diameter x 6mm H escutcheon (front face)
- Fits panel thickness up to 8mm
- H-Dimension = 22.5mm

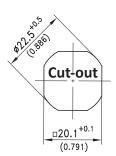
Code	Key Type / Number	Material / Finish
M-160-1-1-27-###	☐ 7mm Square	Zinc / Chrome
M-160-1-2-27-###	///// Jilli Square	Zinc / Black
M-160-1-1-28-###	8mm Square	Zinc / Chrome
M-160-1-2-28-###	ommisquare	Zinc / Black
M-160-1-1-58-###	⊗ 8mm Square Slotted	Zinc / Chrome
M-160-1-2-58-###	offiliti square stotted	Zinc / Black
M-160-1-1-37-###		Zinc / Chrome
M-160-1-2-37-###	7111111 ITTAIIguiai	Zinc / Black
M-160-1-1-38-###	(8mm Triangular	Zinc / Chrome
M-160-1-2-38-###	offilli frialigular	Zinc / Black
M-160-1-1-13-###	3mm Double Bit	Zinc / Chrome
M-160-1-2-13-###	Sillili Double bit	Zinc / Black
M-160-1-1-15-###	5mm Double Bit	Zinc / Chrome
M-160-1-2-15-###	Sillili Double Bit	Zinc / Black

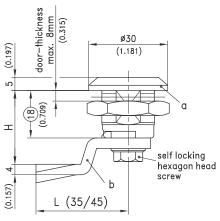
Code Suffix: -###

Code Suffix	tet. Right
-001	Right
-002	Left

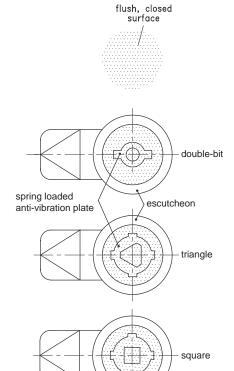


ZINC CHROME









- 30mm Diameter x 5mm H escutcheon (front face)
- 18mm long housing
- Fits panel thickness up to 8mm
- Many cam options for H-Dimensions of 2mm 62mm
- Vibration resistant plate locks insert in place
- IP65

Code	Insert (Drive / Key Type)	Closing Direction	Cam Code	Matching Key Code
255-9802	7mm Square	Either	Order cam separately	204-0102
255-9803	8mm Square	Either	using code:	204-0103
255-9807	3mm Double Bit	Anticlockwise	200-04##	204-0107
255-9808	3mm Double Bit	Clockwise	## = Your H-Dimension	204-0107
255-9809	5mm Double Bit	Anticlockwise	between:	204-0108
255-9810	5mm Double Bit	Clockwise	02-62mm	204-0108

- Black also available Contact us.
- Stainless steel also available Contact us.

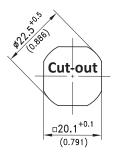


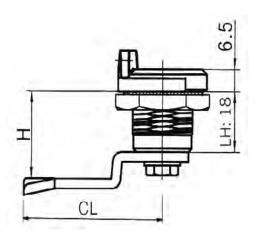


QUARTER TURNS

INSERT (DRIVE) TYPE SEALABLE DUST CAP ZINC CHROME







ZINC CHROME

- 29mm Diameter x 6.5mm H escutcheon (front face)
- 18mm long housing Fits panel thickness up to 8mm
- Many cam options for H-Dimensions of 2mm 62mm
- IP65

Code	Insert (Drive / Key Type)	Cam Code	Matching Key Code
MS705-3A-6	7mm Square	Order cam	204-0102
MS705-3A-4	8mm Square	separately using code:	204-0103
MS705-3A-12	△ 7mm Triangle	200-04##	204-0104
MS705-3	8mm Triangle	_55 5 iiiii	204-0105
MS705-3A-1A	3mm Double bit	## = Your H-Dimension	204-0107
MS705-3A-1	5mm Double bit	between:	204-0108
MS705-3A-8	2x4mm Slot	02-62mm	Flat screw driver

• Convert to compression style with PI5124 (see Section 2-19)

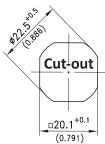


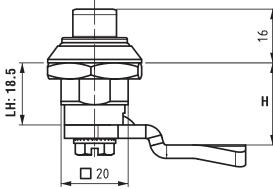


QUARTER TURNS

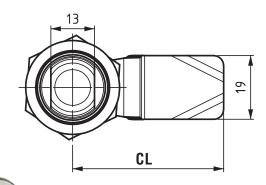
HYGIENE LOCK ANTI-CONTAMINATION LOCK STAINLESS STEEL







- Specially designed for hygiene requirements of food industry
- Silicone O-ring, dirt resistant, easy to clean
- 28mm Diameter x 4mm H escutcheon (front face)
- 18mm long housing
- Fits panel thickness up to 8mm
- Many cam options for H-Dimensions of 6mm 50mm.
 Note: 05## stainless steel cams are 304 grade and 45mm long
- IP69K





M-368-94 Key for M-460 Hygiene lock

Code	Description	Cam Code	Matching Key Code
M-460-4-0-00	Hygiene lock for food industry	Order cam separately using code: 200-05## ## = Your H-Dimension between: 06-50mm	M-368-94
M-460-4-0-36	Hygiene lock for food industry	Cam Included; H = 26mm	M-368-94



QUARTER TURNS

INSERT (DRIVE) TYPE COMPRESSION FIXED CAM ZINC & STAINLESS STEEL

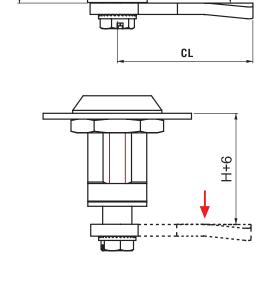


LH: 32 Н CL

Ø 30

max.18

- IP65
- 30mm Diameter x 6mm H escutcheon (front face)
- 6mm Cam Compression upon closing
- Fits panel thickness up to 14mm



Code	Insert (Drive / Key Type)	Matching Key Code
M-040- <mark>Y-X-X-</mark> 27-VV	7mm Square	204-0102
M-040- <mark>Y-X-X-</mark> 28-VV	8mm Square	204-0103
M-040- <mark>Y-X-X-37-VV</mark>	7mm Triangle	204-0104
M-040- <mark>Y-X-X-38-VV</mark>	8mm Triangle	204-0105
M-040- <mark>Y-X-X-</mark> 13-VV	3mm Double Bit	204-0107
M-040- <mark>Y-X-X-</mark> 15-VV	5mm Double Bit	204-0108
M-040- <mark>Y-X-X-42-VV</mark>	2x4 Slot	Flat screw driver
M-040- <mark>Y-X-X-94</mark> -VV	Wing Knob	

hing Key Code	Cut-out Size	Code "Y"
204-0102	0222	
204-0103	30.2	1
204-0104	222	
204-0105	0222	3
204-0107		
204-0108	Material / Colour	Code "X-X"
	Zinc - Chrome	1-1
screw driver	Zinc - Black	1-2
	Zinc - Grey	Contact us
	316 S/steel - Natural	4-0

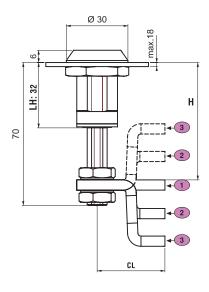
Cam Code "VV"	Cam Orientation		H-Dimension (mm)	Cam Length (mm)
-30	Flat		32	45
-59	Step in		24	45

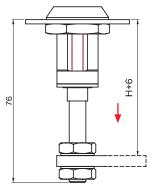
Other cams available on request Cams not reversible (pawl)











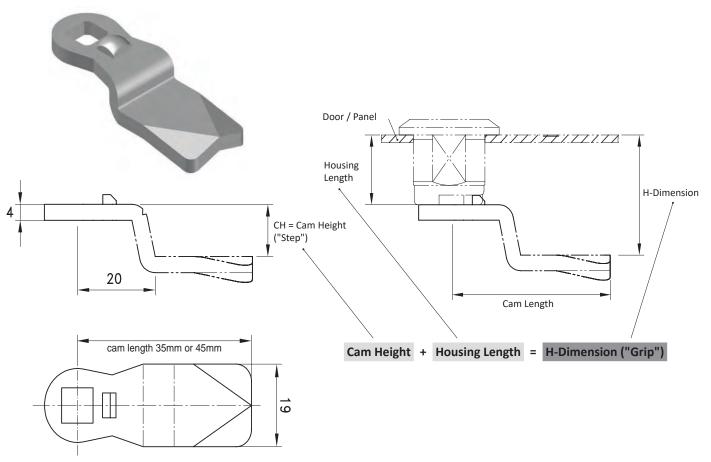
- 30mm Diameter x 6mm H escutcheon (front face)
- 6mm Cam Compression upon closing
- Fits panel thickness up to 14mm

Code	Insert (Drive / Key Type)	Matching Key Code	Cut-out Size	Code "Y"
M-040- <mark>Y-X-X-27-VV</mark>	7mm Square	204-0102	020.2	
M-040- <mark>Y-X-X-28-VV</mark>	8mm Square	204-0103	+ + 200	2
M-040- <mark>Y-X-X-37-VV</mark>		204-0104	0.	
M-040- <mark>Y-X-X-38-VV</mark>	8mm Triangle	204-0105	100 × 100 ×	4
M-040- <mark>Y-X-X-13-VV</mark>	3mm Double Bit	204-0107		
M-040- Y-X-X-15-VV	5mm Double Bit	204-0108	Material / Colour	Code "X-X"
M-040- Y-X-X-42-VV	2x4 Slot	Flat screw driver	Zinc - Chrome	1-1
IVI-040-1- X-X-4 2- V V	2x4 310t	riat screw uriver	Zinc - Black	1-2
M-040- Y-X-X -94- VV	Wing Knob		Zinc - Grey	Contact us
			316 S/steel - Natural	4-0

Cam Code	Cam	H-Dimen	sion (mm)	Cam Length
"VV"	Orientation	Min	Max	(mm)
-01	Flat	41	58	33
-02	Step in 🖅	27	44	33
-02	Step out —	55	72	33
-03	Step in	13.5	30.5	33
-03	Step out 📜	68	85	33



SINGLE POINT CAMS



Note:

- A flat cam with no step has an H-Dimension of 18mm on a standard 18mm long Housing.
- Cams that step back in towards the door panel have an H-Dimension less than 18mm on a standard Housing.
- Cams that step out away from the door panel have an H-Dimension larger than 18mm on a standard Housing.
- We can supply insert type Quarter Turn locks with H-Dimensions from as small as 2mm up to 97mm (in 2mm increments) using different combinations of housing lengths and cam heights (steps).

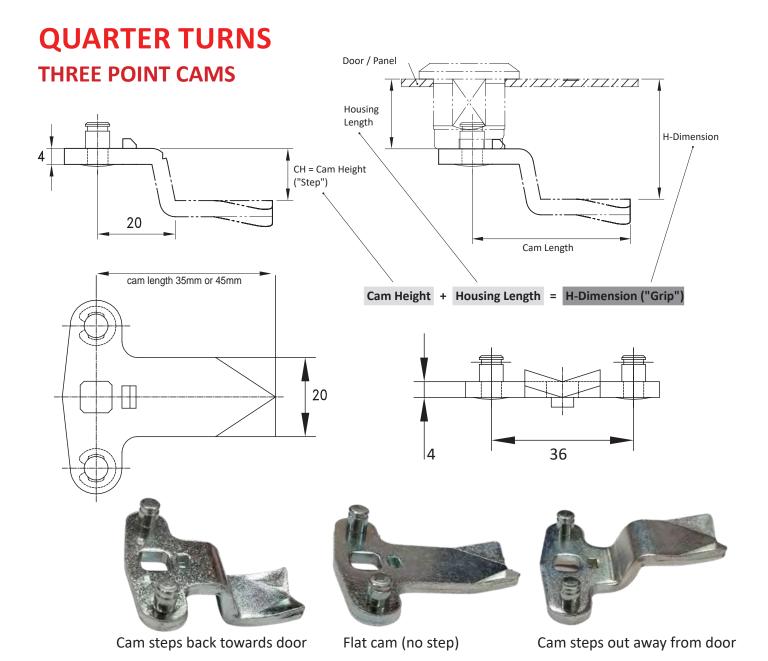
Code	Length	Material
200-04##	L = 45mm	Zinc
200-06##	L = 35mm	Zinc
200-05##	L = 45mm	304 Stainless Steel

Note: "##" in Code = H-Dimension (mm) when cam is fitted to standard 18mm long housing.

Some examples:

Housing Length		Cam Code	Cam Height (from 18mm standard)		H-Dimension	Description
18mm	+	200-0406	-12mm	=	6mm	Zinc 45mm Long Cam
18mm	+	200-0418	0mm (Flat Cam)	=	18mm	Zinc 45mm Long Cam
18mm	+	200-0426	+8mm	=	26mm	Zinc 45mm Long Cam
30mm	+	200-0450	+32mm	=	62mm	Zinc 45mm Long Cam
18mm	+	200-0526	+8mm	=	26mm	304SS 45mm Long Cam
18mm	+	200-0624	+6mm	=	24mm	Zinc 35mm Long Cam





Note:

- A flat cam with no step has an H-Dimension of 18mm on a standard 18mm long Housing.
- Cams that step back in towards the door panel have an H-Dimension less than 18mm on a standard Housing.
- Cams that step out away from the door panel have an H-Dimension larger than 18mm on a standard Housing.
- We can supply insert type Quarter Turn locks with H-Dimensions from as small as 2mm up to 97mm (in 2mm increments) using different combinations of housing lengths and cam heights (steps).

Code	Length	Material
200-95##	L = 45mm	Zinc

Note: "##" in Code = H-Dimension (mm) when cam is fitted to standard 18mm long housing.

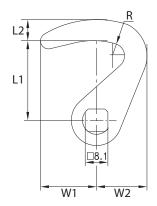
Some examples:

Housing Length		Cam Code	Cam Height (from 18mm standard)		H-Dimension	Description
18mm	+	200-9506	-12mm	=	6mm	Zinc 45mm Long 3pt Cam
18mm	+	200-9518	0mm (Flat Cam)	=	18mm	Zinc 45mm Long 3pt Cam
18mm	+	200-9526	+8mm	=	26mm	Zinc 45mm Long 3pt Cam



HOOKED CAMS STEEL & STAINLESS STEEL





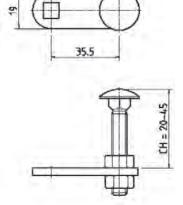
Code	L1 (mm)	L2 (mm)	W1 (mm)	W2 (mm)	R (mm)	Material
200-1703	23	5	15	9	4	Zinc
200-1701-1	29	7	16	18	4	Zinc
200-1701.80	29	7	16	18	4	304 S/Steel

ADJUSTABLE CAM STEEL ZINC

- Adjustable range 'H' dimensions
- Ideally for use with compression accessory
- Steel zinc plated

Code	Material
PI5124-09	Mild steel



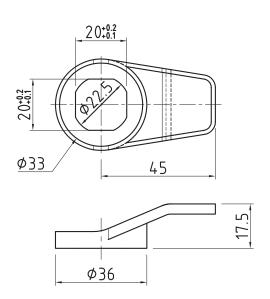


FINGER PULL PLASTIC

Black polyamide finger pull for quarter turn cut-outs



Code	Material
HP001	Polyamide

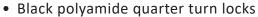


Note: Using a finger pull will reduce barrel length (for panel thickness) and H-Dimension by 2mm.

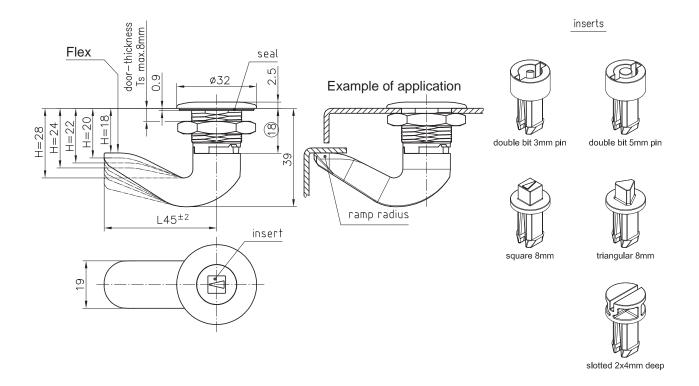








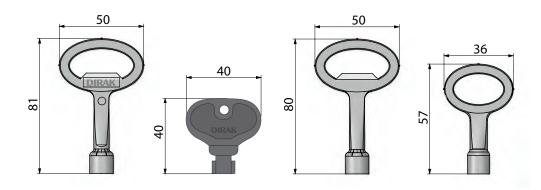
- Can be assembled without tools
- Corrosion proof solution
- Cam rounded right across width for easy latching
- IP67



Code	Insert (Drive / Key Type)	Cam Code	Matching Key Code
200-0211-2-##	8mm Square		204-0103
200-0211-3-##	8mm Triangle	Replace suffix "-##" with H-Dimension to	204-0105
200-0211-5-##	3mm Double Bit	suit.	204-0107
200-0211-1-##	5mm Double Bit	Choose from: 18, 20, 22, 24, 28mm	204-0108
200-0211-4-##	2x4mm Slotted	, , , -	Flat screw driver



INSERT (DRIVE) TYPE KEYS ZINC & POLYAMIDE



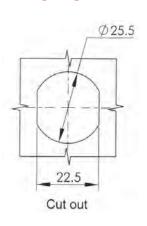
Кеу Туре	Dirak Standard Key	Dirak Polyamide Key	Mesan Standard Key	Mesan Mini Key
■ 6mm Square	204-0111			
7mm Square	204-0102		M-368-27	M-267-27
8mm Square	204-0103		M-368-28	
■ 8mm Square Male	204-0121			
6mm Triangle	204-0112			
7mm Triangle	204-0104		M-368-37	M-267-37
8mm Triangle	204-0105		M-368-38	
9mm Triangle	204-0113		M-368-39	M-267-39
10mm Triangle	204-0118			
• 3mm Double Bit	204-0107		M-368-13	M-267-13
• 5mm Double Bit	204-0108	204-0408	M-368-15	
Hygiene			M-368-94	
O Tubular				M-469.1.1



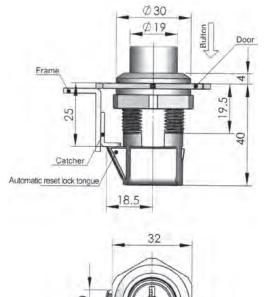
QUARTER TURNS

PUSH BUTTON SLAM LOCK KEY LOCKING

PLASTIC



type

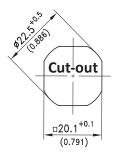


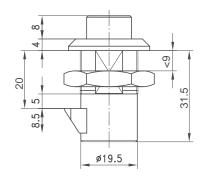
Automatic locked push type
Default key K160
Black polycarbonate (PC)
Spring loaded cam

Code	Material
MS753	Black polycarbonate (PC)

PUSH BUTTON SLAM LOCK NON LOCKING ZINC CHROME

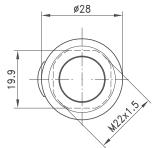
• Spring loaded cam











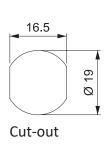
Code	(mm)	Max Panel Thickness	H- Dimension	Cam Length	Key Number	Master Key
264-9009		9	20	5	Non-Locking	N/A

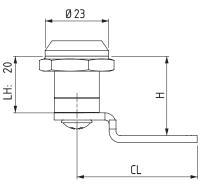


QUARTER TURNS

QUARTER TURNS

MINI INSERT (DRIVE) TYPE ZINC CHROME





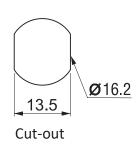


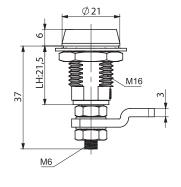
- Fits smaller cam lock cut-out
- 23mm Diameter x 4mm H escutcheon (front face)
- 20mm long housing, fits panel thickness up to 8mm
- Vibration proof: Key has to be pushed in before turning. (1mm compression).

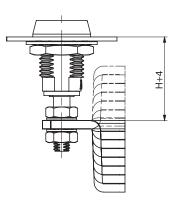
Code	Insert (Drive / Key Type)	Cam H Dimension	Matching Key Code
M-350-1-1-13-6X32	3mm Double Bit	14mm or 26mm	204-0107
M-350-1-1-27-6X32	7mm Square	14mm or 26mm	204-0102
M-350-1-1-37-6X32	7mm Triangular	14mm or 26mm	204-0104
M-350-1-1-42-6X32	Slotted	14mm or 26mm	(flat screw driver)

MINI INSERT (DRIVE) TYPE HIGH SECURITY TUBULAR KEY 316 STAINLESS STEEL

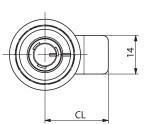








- 316 Stainless Steel
- 21mm Diameter x 6mm H escutcheon (front face)
- Fits panel thickness up to 9mm
- 4mm Compression
- For better door sealing under vibrating conditions





Tubular Key

Code	Insert (Drive / Key Type)	Cam H Dimension	Matching Key Code
M-140-4-0-93-09	Tubular	3-6mm, or 49-52mm	M-469.1.1



11	HINGES	Pages
	Continuous Hinges: Piano, Tila, Centaflex	2 - 5
	Lift Off Hinges: Weld-on, Butt, Pintle	6 - 13
	Butt Hinges: Marine, Fast-Fix, Spring, Standard	14 - 23
	Butt Torque Hinges	24 - 26
	Offset Pin Hinges	27 - 28
	Strap Hinges	29 - 30
	Truck / Container Door Hinges	31 - 36
	Concealed & Semi-Concealed Hinges	37 - 53



CONTINUOUS

PIANO

GALVABOND & STAINLESS STEEL

- Galvabond zinc treated steel, or 304 stainless steel
- 1800mm Long
- Unpunched (no holes)



304 Stainless steel



Code	Material	Open Width (mm)	Thickness (mm)	Pin Dia (mm)	Length (mm)	Predrilled Holes	Open Angle (°)
HIP32	Galvabond	32	1.2	3	1800	None	270
HIP38	Galvabond	38	1.2	3	1800	None	270
HIP50	Galvabond	50	1.2	3	1800	None	270
HIP60	Galvabond	60	2.5	6	1800	None	270
HIP80	Galvabond	80	2.5	6	1800	None	270
HIP32-SS	304 S/Steel	32	1.2	3	1800	None	270
HIP38-SS	304 S/Steel	38	1.2	3	1800	None	270
HIP50-SS	304 S/Steel	50	1.2	3	1800	None	270
HIP60X1.5-SS	304 S/Steel	60	1.5	6	1800	None	270
HIP60X2.5-SS	304 S/Steel	60	2.5	6	1800	None	270
HIP80-SS	304 S/Steel	80	2.5	6	1800	None	270

HINGES CONTINUOUS TILA WEATHERPROOF





- Hinge and seal all in one with concealed fixings
- Strong, durable, maintenance free weather proof hinge
- 180° and 270° opening profiles
- Suitable for personnel doors, food truck verandahs, tailgates, covers, flaps, lids
- European made precision, used for more than 20 years
- E6 EV1 Anodised aluminium (AlMgSi 0.5) extrusion with black polyurethane elastomer hinge/seal
- Supplied 75° open for ease of installation
- Temperature resistant from approx -40°C to +80°C. Can withstand short exposure to +120°C without damage
- Hydrolysis and bacteria resistant

Note:

The technical data is intended as a guide only. As with many 'synthetic' materials, care should be taken when subjecting the hinge to specific and specialised influences which may have unexpected detrimental effects. These include hydrolysis, microbe infestation, sudden mechanical stresses (e.g. sudden opening) in conjunction with extremely low temperatures, corrosive acids, alkaline solutions and cleaning agents



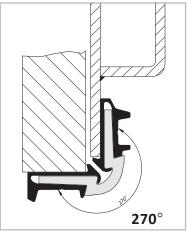


See over page for profiles available and ordering codes





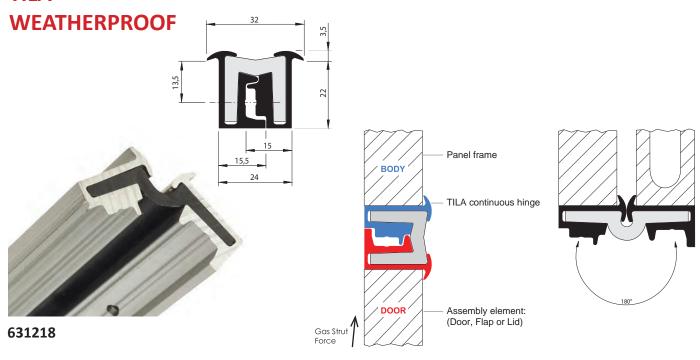






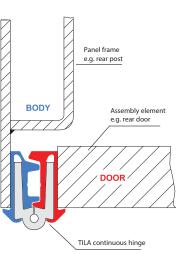
CONTINUOUS

TILA

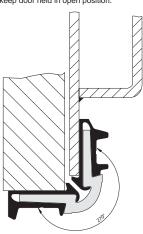




Take note of correct orientation of hinge for installation



Using the example of a rear door assembly: Door designed for 270° opening to the side panel. Door retainer required to keep door held in open position.



See previous page for more information

Code	Length (mm)	Closed Height (mm)	Predrilled Holes	Material	Open Angle (°)	Installation Gap (mm)	Mounting Surface (mm)
631218	1800	32	4Dia x 100	Anodised Alu	180	24	22
631262	2200	32	5Dia x 200	Anodised Alu	270	24	29
631270	3000	32	5Dia x 200	Anodised Alu	270	24	29

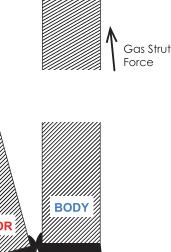
HINGES CONTINUOUS CENTAFLEX WEATHERPROOF

- Hinge and seal all in one with concealed fixings
- Strong, durable, maintenance free weather proof hinge
- 165° opening angle
- Designed for horizontal installation, suitable for food truck verandahs, tailgates, covers, flaps, lids
- PVC extrusion with Polyester elastomer hinge/seal
- Temperature resistant from approx -40°C to +50°C.
- Safe working load of 100kg per metre
- Tested to over 50,000 opening/closing cycles
- Hydrolysis and bacteria resistant

Note:

The technical data is intended as a guide only. As with many 'synthetic' materials, care should be taken when subjecting the hinge to specific and specialised influences which may have unexpected detrimental effects. These include hydrolysis, microbe infestation, sudden mechanical stresses (e.g. sudden opening) in conjunction with extremely low temperatures, corrosive acids, alkaline solutions and cleaning agents





BODY

DOOR

Note orient

of internal

channel ridgé



Code	Length (mm)	Closed Height (mm)	Predrilled Holes	Material	Open Angle (°)		Mounting Surface (mm)
CF-2231/020	2000	28	None	PVC+Polyester	165	16	23
CF-2231/030	3000	28	None	PVC+Polyester	165	16	23

23



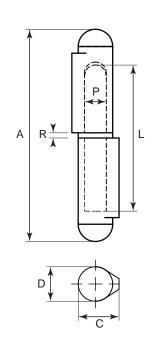
WELD ON / LIFT-OFF WITH GREASE NIPPLE

ALUMINIUM, STEEL & STAINLESS STEEL

• Very strong weld-on hinging solution

• With grease nipple





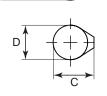
WOH Sizes: 60 80 100 120 150 200 260

Code	Body Material	Pin Material	Α	D	Р	L	С	R	Bag Qty
WOH-60-A	Aluminium	304 S/steel	60	10	6	30	12.5	2	10
WOH-80-A	Aluminium	304 S/steel	80	13	8	40	16	2	10
WOH-100-A	Aluminium	304 S/steel	100	16	10	50	20	2	10
WOH-120-A	Aluminium	304 S/steel	120	16	10	60	20	2	10
WOH-150-A	Aluminium	304 S/steel	150	20	13	75	25	2	10
WOH-200-A	Aluminium	304 S/steel	200	23	16	100	28.5	2	10
WOH-60-S01	Steel	Brass	60	10	6	30	12.5	2	10
WOH-80-S01	Steel	Brass	80	13	8	40	16	2	10
WOH-100-S01	Steel	Brass	100	16	10	50	20	2	10
WOH-120-S01	Steel	Brass	120	16	10	60	20	2	10
WOH-150-S01	Steel	Brass	150	20	13	75	25	2	10
WOH-200-S01	Steel	Brass	200	23	16	100	28.5	2	10
WOH-260-S01	Steel	Steel	260	28	19	134	37	2	10
WOH-60-SS	304 S/steel	304 S/steel	60	10	6	30	12.5	2	10
WOH-80-SS	304 S/steel	304 S/steel	80	13	8	40	16	2	10
WOH-100-SS	304 S/steel	304 S/steel	100	16	10	50	20	2	10
WOH-120-SS	304 S/steel	304 S/steel	120	16	10	60	20	2	10
WOH-150-SS	304 S/steel	304 S/steel	150	20	13	75	25	2	10
WOH-200-SS	304 S/steel	304 S/steel	200	23	16	100	28.5	2	10

WELD ON / LIFT-OFF WITHOUT GREASE NIPPLE ALUMINIUM & STEEL

- Very strong weld-on hinging solution
- Without grease nipple

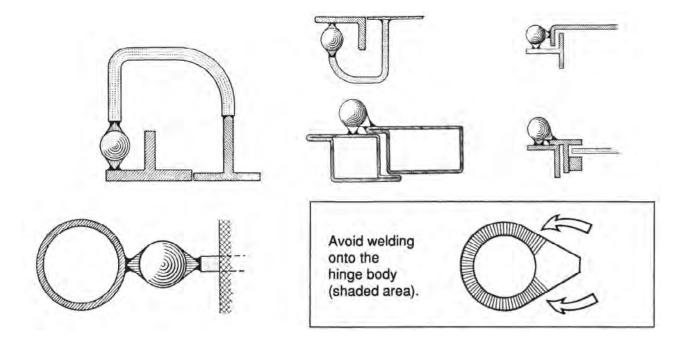




WOH-60 80 100 120

Code	Body Material	Pin Material	Α	D	Р	L	С	R	Bag Qty
WOH-60-A/NGN	Aluminium	304 S/steel	60	10	6	30	12.5	2	10
WOH-80-A/NGN	Aluminium	304 S/steel	80	13	8	40	16	2	10
WOH-100-A/NGN	Aluminium	304 S/steel	100	16	10	50	20	2	10
WOH-60-S	Steel	Steel	60	10	6	30	12.5	2	10
WOH-80-S	Steel	Steel	80	13	8	40	16	2	10
WOH-100-S	Steel	Steel	100	16	10	50	20	2	10
WOH-120-S	Steel	Steel	120	16	10	60	20	2	10

See below some welding configurations for different applications:





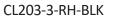
BUTT LIFT-OFF: 50MM

HOLES ZINC

- Lift off
- Zinc body
- Stainless steel pin

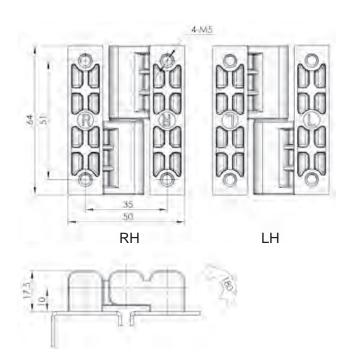








CL203-3-LH-BLK

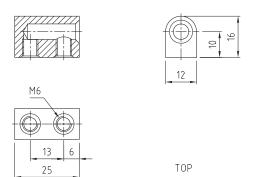


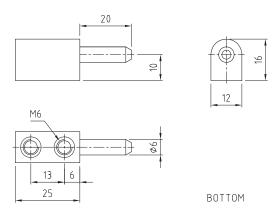
Code	tet. Right	Height (mm)	Width (mm)	Thick (mm)	Open Angle (°)	Fixing Method	Hole Centres (mm)
CL203-3-RH-BLK	Right	64	50 (25+25)	17.5	180	4xM5 Holes	51H x 35W (17.5+17.5)
CL203-3-LH-BLK	Left	64	50 (25+25)	17.5	180	4xM5Holes	51H x 35W (17.5+17.5)

BLOCK / PINTLE LIFT-OFF BRASS CHROME

- Lift off
- Brass Body, 304 Stainless steel pin
- High quality finish
- Interchangeable male & female components
- M6x8 Serrated hex screws available







Code	Material / Finish	Height (mm)	Width (mm)	Thickness (mm)	Pin Dia (mm)
HIB500NS-E	Brass / Chrome	50 (25+25)	12	Inline 16	6

- Lift off
- Brass Body, 304 Stainless steel pin
- High quality finish
- Interchangeable male & female components
- M6x8 Serrated hex screws available

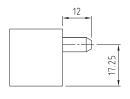




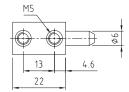












BOT:	MOT

Code	Material / Finish	Height (mm)	Width (mm)	Thickness (mm)	Pin Dia (mm)
HIB520NS-E	Brass / Chrome	44 (22+22)	13.5	Offset: 16/24	6

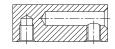


BLOCK / PINTLE LIFT-OFF

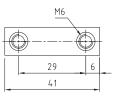
BRASS CHROME, 316 STAINLESS STEEL

- Lift off
- Two material options with high quality finish:
 - Brass Body & 304 Stainless steel pin
 - 316 Stainless Steel
- Interchangeable male & female components
- M6x8 Serrated hex screws available

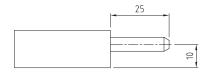




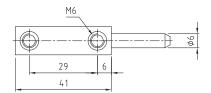




TOP

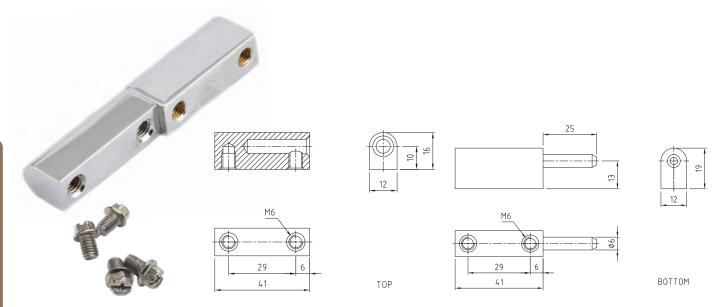






воттом

Code	Material / Finish	Height (mm)	Width (mm)	Thickness (mm)	Pin Dia (mm)
HIB650NS-E	Brass / Chrome	82 (41+41)	12	Inline: 16	6
HIB650SS-316NS	316 Stainless Steel	82 (41+41)	12	Inline: 16	6

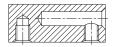


Code	Material / Finish	Height (mm)	Width (mm)	Thickness (mm)	Pin Dia (mm)
HIB820NS-E	Brass / Chrome	82 (41+41)	12	Offset: 16/19	6
HIB820SS-316NS	316 Stainless Steel	82 (41+41)	12	Offset: 16/19	6

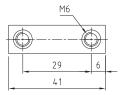
BLOCK / PINTLE LIFT-OFF BRASS CHROME

- Lift off
- Brass Body & 304 Stainless steel pin
- High quality finish
- Interchangeable male & female components
- M6x8 Serrated hex screws available

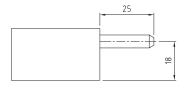




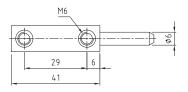








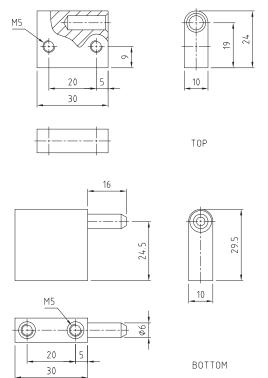






Code	Material / Finish	Height (mm)	Width (mm)	Thickness (mm)	Pin Dia (mm)
HIB880NS-E	Brass / Chrome	82 (41+41)	12	Offset: 16/24	6





Code	Material / Finish	Height (mm)	Width (mm)	Thickness (mm)	Pin Dia (mm)
HIB900NS-E	Brass / Chrome	60 (30+30)	12	Offset: 24/29.5	6



BUTT LIFT-OFF: 40 & 50 & 60mm

HOLES

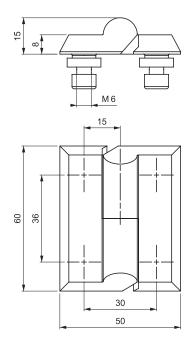
316 STAINLESS STEEL

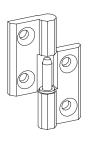
- Lift off
- 316 Stainless steel



M-3599-4-0-###

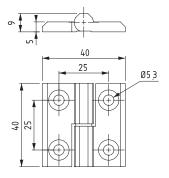








M-3299-4-0-###





M-3099-4-0-###

-		
	50	
	30 Ø6	3
50		<u>·</u>

Code	thet.	Height (mm)	Width (mm)	Thick (mm)	Open Angle (°)	Fixing Method	Hole Centres (mm)
M-3599-4-0-001	Right	60	50 (25+25)	8	270	4xM6 Holes	36H x 30W (15+15)
M-3599-4-0-002	Left	60	50 (25+25)	8	270	4xM6 Holes	36H x 30W (15+15)
M-3299-4-0-001	Right	40	40 (20+20)	5	270	4xM5 Holes	25H x 25W (12.5+12.5)
M-3299-4-0-002	Left	40	40 (20+20)	5	270	4xM5Holes	25H x 25W (12.5+12.5)
M-3099-4-0-001	Right	50	50 (25+25)	6	270	4xM6 Holes	30H x 30W (15+15)
M-3099-4-0-002	Left	50	50 (25+25)	6	270	4xM6 Holes	30H x 30W (15+15)

BUTT LIFT-OFF: 100mm

HOLES & STUDS STAINLESS STEEL

- Lift off
- 304 Stainless steel
- Available with holes or with copper coated steel studs



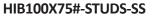


37.25±0.75
37.25±0.75

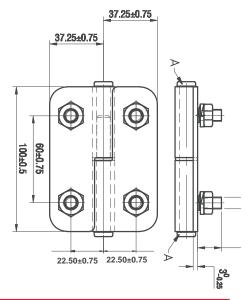
22.50±0.75
22.50±0.75

HIB100X75#-SS









Code	tyan Right	Height (mm)	Width (mm)	Thick (mm)	Open Angle (°)	Fixing Method	Hole Centres (mm)
HIB100X75R-SS	Right	100	75 (37+37)	3	270	4xM8Holes	60H x 45W
HIB100X75L-SS	Left	100	75 (37+37)	3	270	4xM8Holes	60H x 45W
HIB100X75R-STUD-SS	Right	100	75 (37+37)	3	270	4xM8 Studs	60H x 45W
HIB100X75L-STUD-SS	Left	100	75 (37+37)	3	270	4xM8 Studs	60H x 45W

BUTT MARINE: 38 & 40mm

HOLES

MARINE - 316 STAINLESS STEEL

• 316 Stainless steel marine hinges

• Plastic hinge covers available

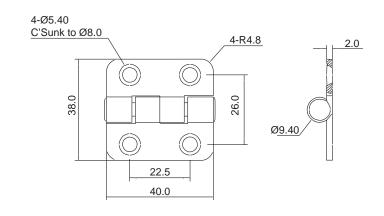


S-N6-4E-466-24

S-N6-C-46-24

Code	Height (mm)	Width (mm)	Thick (mm)	Open Angle (°)	Material / Finish	Fixing Method	Hole Centres (mm)
S-N6-4E-422-24	38	38(19+19)	2	270	316 S/Steel	4xM4 Holes	20H x 26W (13+13)
S-N6-4E-424-24	38	58(39+19)	2	270	316 S/Steel	5xM4 Holes	Contact us
S-N6-4E-444-24	38	78(39+39)	2	270	316 S/Steel	6xM4 Holes	Contact us
S-N6-4E-426-24	38	78(59+19)	2	270	316 S/Steel	5xM4 Holes	Contact us
S-N6-4E-446-24	38	98(59+39)	2	270	316 S/Steel	6xM4 Holes	Contact us
S-N6-4E-466-24	38	118(59+59)	2	270	316 S/Steel	6xM4 Holes	Contact us





Code	_	Width (mm)		<u>-</u>	Material / Finish	Fixing Method	Hole Centres (mm)
HIB40382	40	38 (19+19)	2	270	316 S/Steel	4xM5 Holes	22.5H x 26W(13+13)

FLUSH MARINE HINGE: 30mm

HOLES

MARINE - 316 STAINLESS STEEL

- 316 Stainless steel lay flat marine hinge
- Double pivot hinge so can be mounted flush with surface of deck and the hatch can be opened 180°

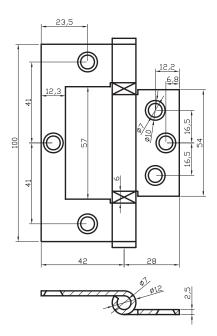


Code	Height (mm)	Width (mm)	Thick (mm)	Open Angle (°)	Material / Finish	Fixing
DX316-HIB-DH	30	80 (40+40)	3	180	316 S/Steel	6xM4 Holes

FAST FIX: 100mm HOLES STAINLESS STEEL

- 316 Stainless steel leaves with 304 stainless steel pin
- Roller bearing for super smooth rotation (except HIB7651XX)
- Cost effective high quality hinge





Code	_			Open Angle (°)	Material / Finish	Fixing Method	Roller Bearing
HIB100-316	100	42	2.5	270	316 + 304 S/Steel	6x10G Holes	Yes



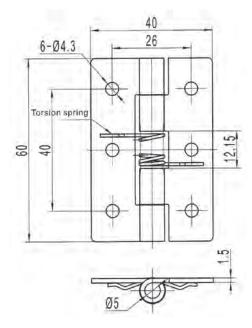
BUTT SPRING OPEN: 60mm

HOLES

STAINLESS STEEL

• Spring loaded to open door





Code				Open Angle (°)	Material / Finish	Fixing Method	Hole Centres (mm)
CL253-6	60	40	1.5	270	304 S/steel	6x8G Holes	See diagram

BUTT STANDARD: 38mm

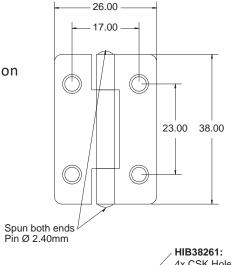
HOLES

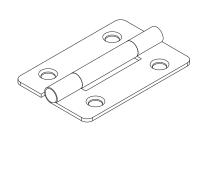
STEEL & STAINLESS STEEL

• Basic zinc plated steel hinging solution

• Cost effective hinge







	4x CSK Holes 4mm
1	HIB38261SS:
1.000]	4x CSK Holes 3.6mm

Code	Height (mm)	Width (mm)	Thick (mm)	Open Angle (°)	Material / Finish	Fixing Method	Hole Centres (mm)
HIB38261	38	25.5	1	270	Steel	4x 3.6mm Holes	23H x 17W
HIB38261SS	38	26.5	1	270	304 S/Steel	4x 4mm Holes	23H x 17W

BUTT STANDARD FIXED: 76 & 100mm HOLES STAINLESS STEEL

- 316 Stainless steel leaves with 304 stainless steel pin
- Roller bearing for super smooth rotation (except HIB765116-316)
- Cost effective high quality hinge



HIB765116-316



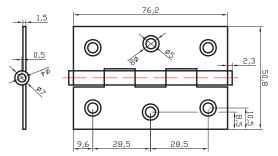
HIB76512-316



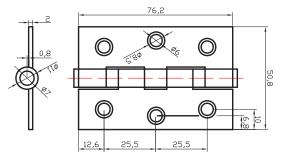
HIB100752-316



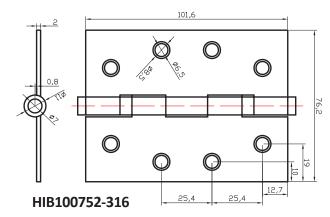
HIB100752-2-316

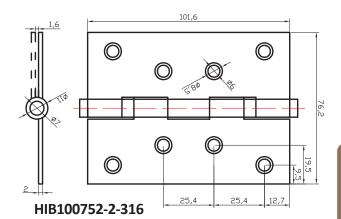


HIB765116-316



HIB76512-316





Code	Height (mm)	Width (mm)	Thick (mm)	Open Angle (°)	Material / Finish	Fixing Method	Roller Bearing
HIB765116-316	76	51	1.5	270	316 + 304 S/Steel	6x6G Holes	No
HIB76512-316	76	51	2	270	316 + 304 S/Steel	6x6G Holes	Yes
HIB100752-316	102	76	2	270	316 + 304 S/Steel	8x8G Holes	Yes
HIB100752-2-316	102	76	2	270	316 + 304 S/Steel	8x8G Holes	Yes

BUTT STANDARD FIXED: 100mm & 152mm

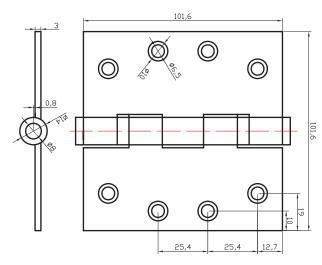
HOLES

STAINLESS STEEL

- 316 Stainless steel leaves with 304 stainless steel pin
- Roller bearing for super smooth rotation
- Cost effective high quality hinge



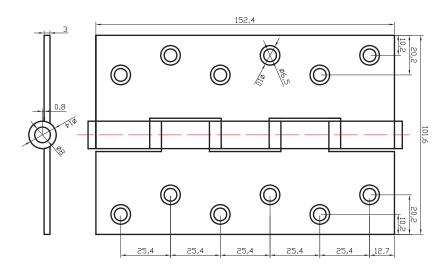
HIB100100-316



HIB100100-316



HIB1521023-316



HIB1521023-316

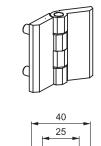
Code	_	Width (mm)		Open Angle (°)	Material / Finish	Fixing Method	Roller Bearing
HIB100100-316	102	102	3	270	316 + 304 S/Steel	8x8G Holes	Yes
HIB1521023-316	152	102	3	270	316 + 304 S/Steel	12x10G Holes	Yes

BUTT FIXED: 40mm

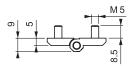
HOLES & STUDS

ZINC & 316 STAINLESS STEEL

• Zinc die cast with stainless steel pin, or 316 stainless steel

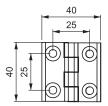


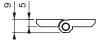




M-299-#-#-1







M-299-#-#-3



M-299-1-2-1



M-299-1-2-3



M-299-4-0-3

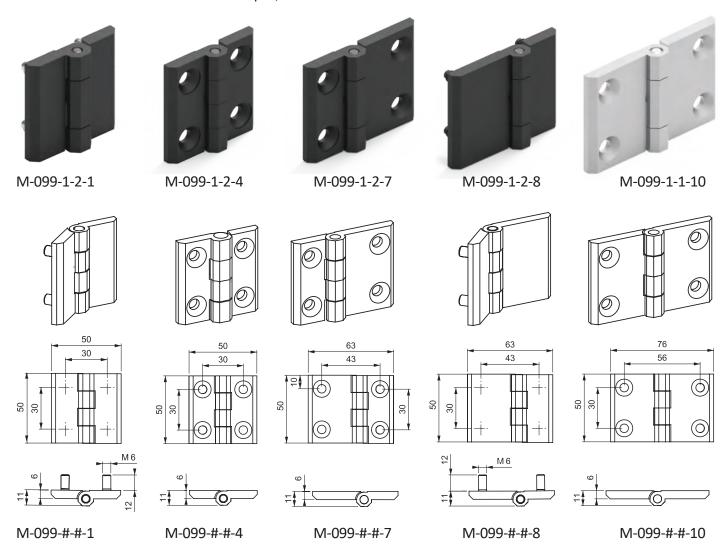
Code	Height (mm)	Width (mm)	Thick (mm)	Open Angle (°)	Material / Finish	Fixing Method	Hole Centres (mm)
M-299-1-2-1	40	40 (20+20)	5	270	Zinc / Black	4xM5 Studs	25H x 25W (12.5+12.5)
M-299-1-2-3	40	40 (20+20)	5	270	Zinc / Black	4xM5 Holes	25H x 25W (12.5+12.5)
M-299-4-0-3	40	40 (20+20)	5	270	316 S/Steel	4xM5 Holes	25H x 25W (12.5+12.5)



BUTT FIXED: 50mm HOLES & STUDS

ZINC & 316 STAINLESS STEEL

• Zinc die cast with stainless steel pin, or 316 stainless steel



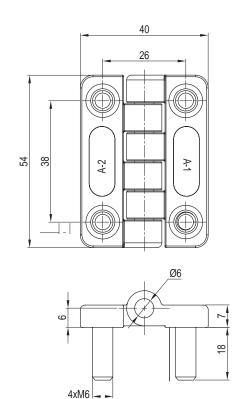
Code	Height (mm)	Width (mm)	Thick (mm)	Open Angle (°)	Material / Finish	Fixing Method	Hole Centres (mm)
M-099-1-2-1	50	50 (25+25)	6	270	Zinc / Black	4xM6 Studs	30H x 30W (15+15)
M-099-1-2-4	50	50 (25+25)	6	270	Zinc / Black	4xM6 Holes	30H x 30W (15+15)
M-099-1-2-7	50	63 (25+38)	6	270	Zinc / Black	4xM6 Holes	30H x 43W (28+15)
M-099-1-2-8	50	63 (25+38)	6	270	Zinc / Black	4xM6 Studs	30H x 43W (28+15)
M-099-1-1-10	50	76 (38+38)	6	270	Zinc / Chrome	4xM6 Holes	30H x 56W (28+28)
M-099-1-2-10	50	76 (38+38)	6	270	Zinc / Black	4xM6 Holes	30H x 56W (28+28)
M-099-4-0-4	50	50 (25+25)	6	270	316 S/Steel	4xM6 Holes	30H x 30W (15+15)
M-099-4-0-7	50	63 (25+38)	6	270	316 S/Steel	4xM6 Holes	30H x 43W (28+15)

BUTT FIXED: 54mm

STUDS ZINC

• Zinc die cast with stainless steel pin





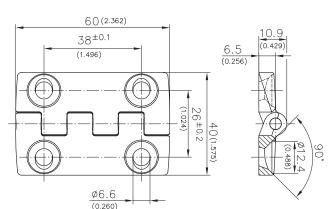
Code		Width (mm)		•	Material / Finish	Fixing Method	Hole Centres (mm)
CL209-1	54	40 (20+20)	6	165	Zinc / Black	4xM6 Studs	38H x 26W (18+18)

BUTT FIXED: 60mm

HOLES PLASTIC

- Polyamide hinge
- Flame resistant & saltwater tested corrosion resistant
- Tight tolerance in knuckles ensures proper alignment
- Captive pin protected against loosening
- Elegant design, rounded corners
- Light-weight



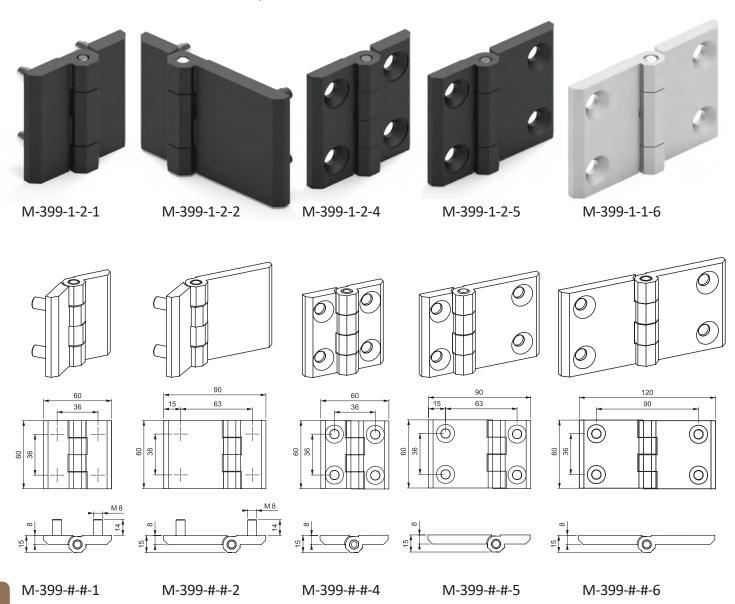


Code	Height (mm)	Width (mm)	Thick (mm)	Open Angle (°)	Material / Finish	Fixing Method	Hole Centres (mm)
218-9220	60	40	6.5	225	Polyamide / Black	4xM6 Holes	38H x 26W (13+13)



BUTT FIXED: 60mm HOLES & STUDS ZINC

• Zinc die cast with stainless steel pin

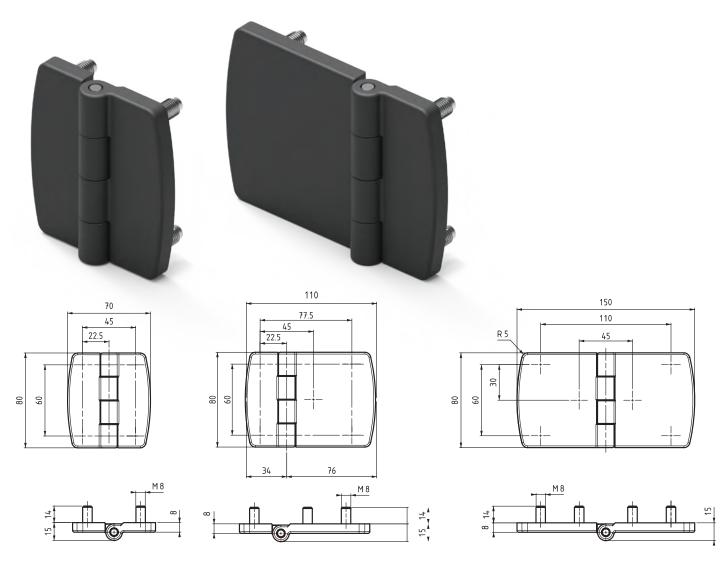


Code	Height (mm)	Width (mm)	Thick (mm)	Open Angle (°)	Material / Finish	Fixing Method	Hole Centres (mm)
M-399-1-2-1	60	60 (30+30)	8	270	Zinc / Black	4xM8 Studs	36H x 36W (18+18)
M-399-1-2-2	60	90 (30+60)	8	270	Zinc / Black	4xM8 Studs	36H x 63W (18+45)
M-399-1-2-4	60	60 (30+30)	8	270	Zinc / Black	4xM8 Holes	36H x 36W (18+18)
M-399-1-1-5	60	90 (30+60)	8	270	Zinc / Chrome	4xM8 Holes	36H x 63W (18+45)
M-399-1-2-5	60	90 (30+60)	8	270	Zinc / Black	4xM8 Holes	36H x 63W (18+45)
M-399-1-1-6	60	120 (60+60)	8	270	Zinc / Chrome	4xM8 Holes	36H x 90W (45+45)

BUTT FIXED: 80mm

STUDS ZINC

• Zinc die cast with stainless steel pin



M-1399-1-#-1 M-1399-1-#-2 M-1399-1-#-3

Code	Height (mm)	Width (mm)	Thick (mm)	Open Angle (°)	Material / Finish	Fixing Method	Hole Centres (mm)
M-1399-1-2-1	80	70 (35+35)	8	270	Zinc / Black	4xM8 Studs	60H x 45W (22.5+22.5)
M-1399-1-2-2	80	110 (34+76)	8	270	Zinc / Black	5xM8 Studs	See diagram
M-1399-1-2-3	80	150 (75+75)	8	270	Zinc / Black	6xM8 Studs	See diagram



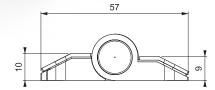
BUTT TORQUE

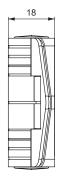
HOLES

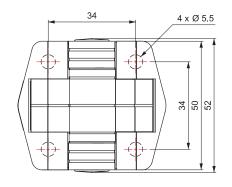
PLASTIC

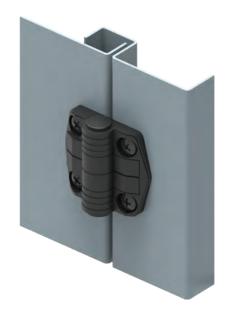
- Positioning hinge positive click into position
- Polyamide Black
- Plastic pin











Code Suffix:	Rotation:	
-22	80°	*.
-33	115°	1150
-43	150°	15000
-10	180°	1800

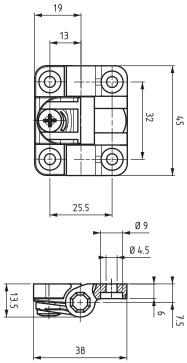
Code	Height (mm)	Width (mm)	Thick (mm)	Open Angle (°)	Force (Nm)	Fixing Method	Hole Centres (mm)
All models:	52	58 (29+29)	10			4xM5 Holes	34H x 34W (17+17)
M-2599-2-0-22				80	1.1		
M-2599-2-0-33				115	1.7		
M-2599-2-0-43				150	1.7		
M-2599-2-0-10				180	0 (Fre	e swinging)	

HINGES BUTT TORQUE HOLES PLASTIC

- Adjustable torque hinge
- Polyamide black
- Plastic pin







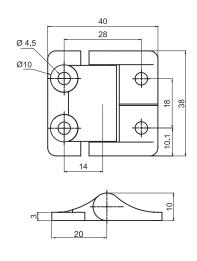
Code	Height (mm)	Width (mm)		Open Angle (°)		Fixing Method	Hole Centres (mm)
M-2399-2-0	45	38	13.5	115	≤0.8 (A	djustable)	32H x 26W (13+13)



HINGES BUTT TORQUE HOLES ZINC

- Zinc die cast
- Steel pin



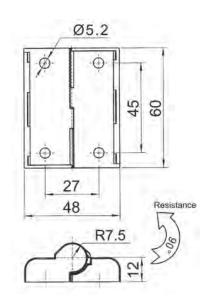




Code				Open Angle (°)		Hole Centres (mm)
M-2099-1-2	51	40	4.5	80	2.3	34H x 28W (17+17)

- Zinc die cast
- Stainless steel pin
- With covers



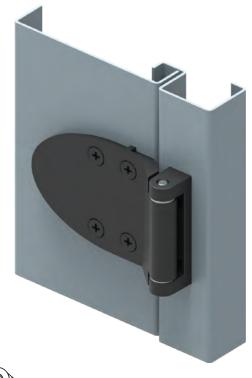


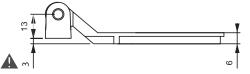
Code	Height (mm)	Width (mm)		Open Angle (°)	Fixing Method	Hole Centres (mm)
CL299-1-Z	60	48	12	180	Holes	45H x 27W (13.5+13.5)

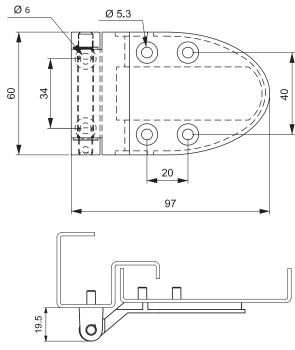
OFFSET PIN HVAC STEPPED ZINC

- Zinc die cast with stainless steel pin
- Polyamide cover









Code				Open Angle (°)	Material / Finish	Fixing Method	Hole Centres (mm)
M-500	60	97	6	180	Zinc / Black	2xM6 + 4xM5 Holes	See diagram



Section 11: 27

OFFSET PIN

HOLES

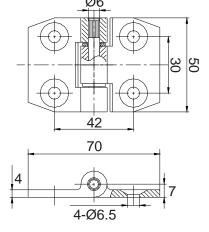
GALVANISED & STAINLESS STEEL

- Robust screw on hinges
- Suit side doors, tool boxes, tail gates





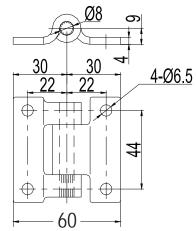




113090 Steel, galvanised

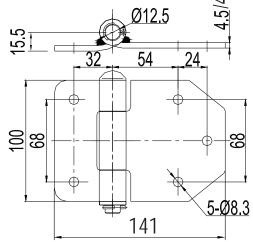


113080-S 304 stainless steel





113070-S 304 stainless steel



Code	Height (mm)	Width (mm)	Thick (mm)	Open Angle (°)	Material / Finish	Fixing Method	Hole Centres (mm)
113090	50	70 (35+35)	4	180	Steel/Galv	4xCSK M6 Holes	30H x 42W (21+21)
113080-S	59	60 (30+30)	4	180	304 S/Steel	4xM6 Holes	44H x 44W (22+22)
113070-S	100	141 (46+95)	3.6	180	304 S/Steel	5xM8 Holes	See diagram

STRAP T-TYPE HOLES

STAINLESS STEEL

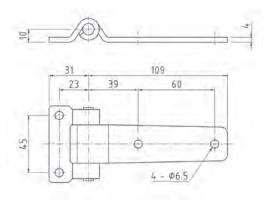
- Polished stainless steel
- Suit side doors, tool boxes



HIB90138-S



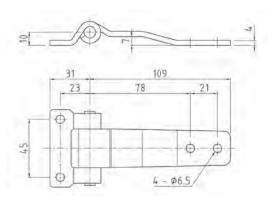
113040-S





113050-S

• Stepped leaf so the hinge fits over 183020/183125 truck door seal



Code	Height (mm)	Width (mm)	Thick (mm)	Open Angle (°)	Material / Finish	Fixing Method	Hole Centres (mm)
HIB90138-S	90	138	2	180	304 S/Steel	6xM6 Holes	See diagram
113040-S	60	150	4	180	304 S/Steel	4xM6 Holes	See diagram
113050-S	60	150	4	180	304 S/Steel	4xM6 Holes	See diagram



STRAP HOLES

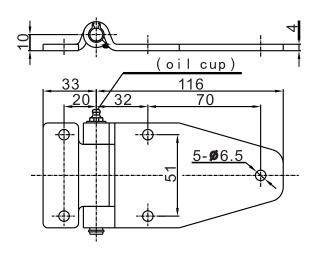
STEEL & STAINLESS STEEL

- Suit side doors
- Steel / Zinc or polished 304 stainless steel
- With grease nipple



030200

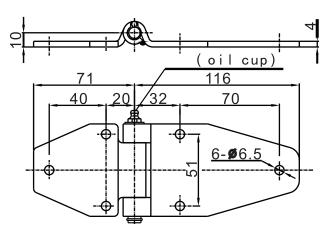






030300





Code	Height (mm)	Width (mm)	Thick (mm)	Open Angle (°)	Material / Finish	Fixing Method	Hole Centres (mm)
030200	77	149 (33+116)	4	180	Steel / Zinc	5xM6 Holes	See diagram
030200-S	77	149 (33+116)	4	180	304 S/Steel	5xM6 Holes	See diagram
030300	77	187 (71+116)	4	180	Steel / Zinc	6xM6 Holes	See diagram
030300-S	77	187 (71+116)	4	180	304 S/Steel	6xM6 Holes	See diagram

TRUCK / CONTAINER BRACKETS

STEEL & STAINLESS STEEL

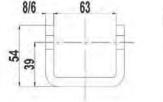
- Steel or stainless steel
- Weld-on or Bolt-on options
- M12 Offset pin to suit container hinges with step to clear rubber door seal



112001 112001-S







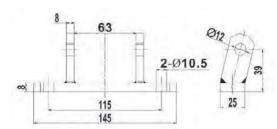




112002 112002-S







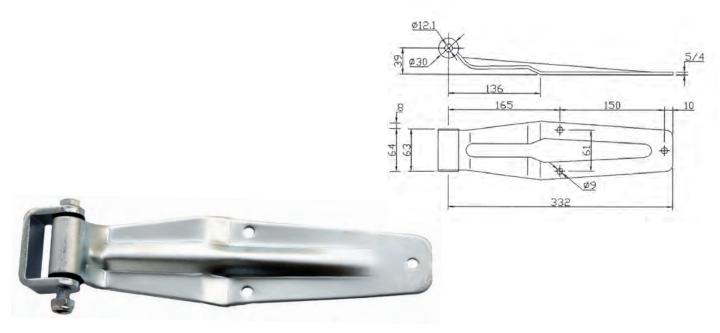
Code	Height (mm)	Width (mm)	Thick (mm)	Material / Finish	Fixing Meth- od	Hole Centres (mm)
112001	60	30	8	Steel / Zinc	Weld on	
112001-S	60	30	8	304 S/Steel	Weld on	
112002	145	25	8	Steel / Zinc	2xM10 Holes	See diagram
112002-S	145	25	8	304 S/Steel	2xM10 Holes	See diagram



TRUCK / CONTAINER LARGE

STEEL & STAINLESS STEEL

- Steel or stainless steel
- M12 offset pin and step in leaf to clear rubber door seal
- Requires mounting bracket: Weld-on or Bolt-on (sold separately)



Showing 111011 Container Hinge + 112001 Weld-on Bracket

Code	Height (mm)	Width (mm)	Thick (mm)	Open Angle (°)	Material / Finish	Fixing Method	Hole Centres (mm)
111011	90	332	5	180	Steel / Zinc	3xM8 Holes	See diagram
111011-S	90	332	4	180	304 S/Steel	3xM8 Holes	See diagram

Choose mounting bracket to suit (sold separately) - see page 31:



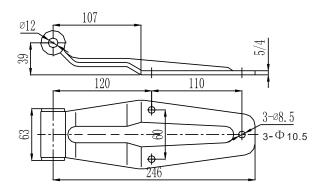
112001 112001-S



TRUCK / CONTAINER MEDIUM STEEL & STAINLESS STEEL

- Steel or stainless steel
- M12 offset pin and step in leaf to clear rubber door seal
- Requires mounting bracket: Weld-on or Bolt-on (sold separately)





111021

Code	Height (mm)	Width (mm)	Thick (mm)	Open Angle (°)	Material / Finish	Fixing Method	Hole Centres (mm)
111021	84	246	5	180	Steel / Zinc	3xM8 Holes	See diagram
111021-S	84	246	4	180	304 S/Steel	3xM8 Holes	See diagram

Choose mounting bracket to suit (sold separately) - see page 31:



112001 112001-S

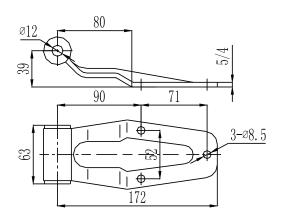


HINGES TRUCK / CONTAINER SMALL STEEL & STAINLESS STEEL

- Steel or stainless steel
- M12 offset pin and step in leaf to clear rubber door seal
- Requires mounting bracket: Weld-on or Bolt-on (sold separately)



111031



Code	Height (mm)	Width (mm)	Thick (mm)	Open Angle (°)	Material / Finish	Fixing Method	Hole Centres (mm)
111031	75	172	5	180	Steel / Zinc	3xM8 Holes	See diagram
111031-S	75	172	4	180	304 S/Steel	3xM8 Holes	See diagram

Choose mounting bracket to suit (sold separately) - see page 31:



112001 112001-S

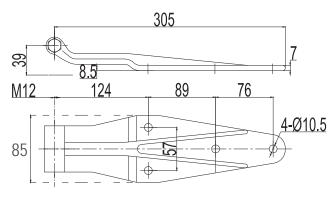


HINGES TRUCK / CONTAINER LARGE

STEEL & STAINLESS STEEL

- Die cast Steel zinc plated
- M12 offset pin and step in leaf to clear rubber door seal
- Requires mounting bracket: Weld-on or Bolt-on (sold separately)





111215

Code	Height (mm)	Width (mm)	Thick (mm)	Open Angle (°)	Material / Finish	Fixing Meth- od	Hole Centres (mm)
111215	55	305	7	180	Steel / Zinc	4xM10 Holes	See diagram

Choose mounting bracket to suit (sold separately) - see page 31:

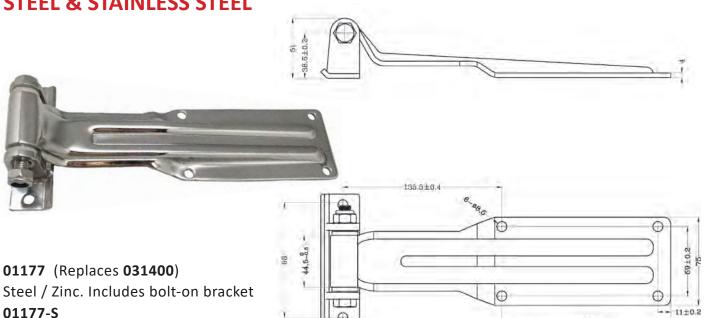




112001 112002



TRUCK / CONTAINER LARGE WITH BOLT-ON BRACKET **STEEL & STAINLESS STEEL**



0

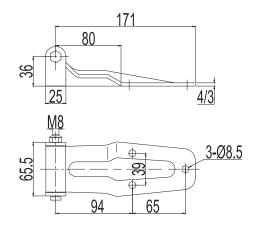
Code	Height (mm)	Width (mm)	Thick (mm)	Open Angle (°)	Material / Finish	Fixing Method
01177	115	297	4	180	Steel / Zinc	6xM8 Holes
01177-S	115	297	4	180	304 S/Steel	6xM8 Holes

TRUCK / CONTAINER **SMALL WITH WELD-ON BRACKET STEEL & STAINLESS STEEL**

Stainless Steel. Includes bolt-on bracket



111041 111041-S Includes weld-on bracket



144±0.2

Code	Height (mm)	Width (mm)	Thick (mm)	Open Angle (°)	Material / Finish	Fixing Method
111041	66	170	4	180	Steel / Zinc	Weld + 3xM8 Holes
111041-S	66	170	3	180	304 S/Steel	Weld + 3xM8 Holes

HINGES CONCEALED LIFT-OFF

SPRING LOADED STEEL

- For internally mounted doors
- Spring loaded pin for easy door removal
- Copper plated body for easy welding
- Either use 2pcs spring hinge (top and bottom), or, use fixed pin for bottom



Spring hinge top and bottom

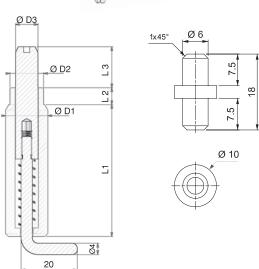


Spring hinge top and fixed pin bottom







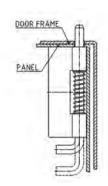


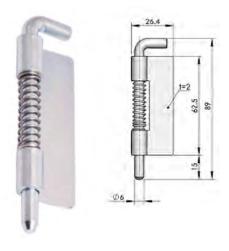
Code	Door Return Cavity (mm)	D1 Ø (mm)	D2 Ø (mm)	D3 Ø (mm)	L1 Ø (mm)	L2 Ø (mm)	L3 Ø (mm)	Open Angle (°)	Material / Finish	Fixing Method
M-189-10	10	10	8.5	6	38	3.5	10	110	Steel / Copper	Weld
M-189-15	15	15	12	9	47	6	14.5	110	Steel / Copper	Weld
M-32003192								360	Steel / Zinc	Hole



HINGES CONCEALED LIFT-OFF SPRING LOADED STEEL

- Zinc plated steel
- Weld on or screw on









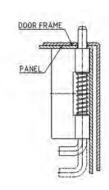
CL225-1-#Weld on

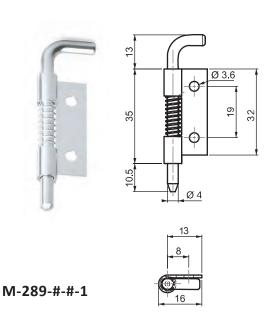
CL225-1A-#Mounting holes

Code	Hed Right	Height (mm)	Open Angle (°)	Material / Finish	Fixing Method
CL225-1-Y	Left	89	135	Zinc plated steel	Weld
CL225-1-Z	Right	89	135	Zinc plated steel	Weld
CL225-1A-Y	Left	89	135	Zinc plated steel	Holes or Weld
CL225-1A-Z	Right	89	135	Zinc plated steel	Holes or Weld

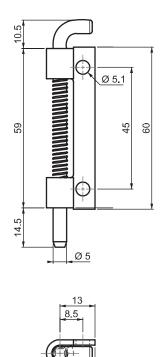
CONCEALED LIFT-OFF SPRING LOADED STEEL & STAINLESS STEEL

- Zinc plated steel, or 304 stainless steel
- Weld on or screw on









M-289-#-#-2

Code	Height (mm)	Open Angle (°)	Material / Finish	Fixing Method
M-289-6-3-1	58.5	135	Zinc plated steel	Holes or Weld
M-289-6-3-2	84	135	Zinc plated steel	Holes or Weld
M-289-4-0-1	58.5	135	304 S/steel	Holes or Weld
M-289-4-0-2	84	135	304 S/steel	Holes or Weld



CONCEALED: 18mm

STEEL & STAINLESS STEEL



M-695-6-3-1

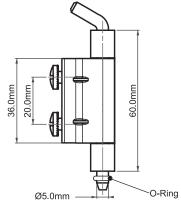
- Zinc plated steel
- Copper coated weld

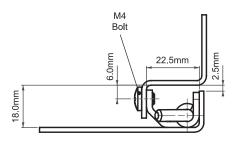


M-695-4-0-1

- 304 Stainless steel
- 303 Stainless steel pin







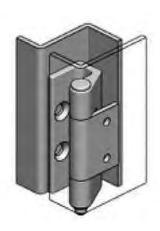
M-695-#-1 Fits door with 18mm hinge cavity

Code	Door Return Cavity (mm)	Height (mm)	Thick (mm)	Open Angle (°)	Material / Finish	Fixing Method	Hole Centres (mm)
M-695-6-3-1	18	60	2	120	Steel / Zinc	2xM4 + Weld	20H
M-695-4-0-1	18	60	2	120	S/Steel	2xM4 + Weld	20H

CONCEALED: 18mm

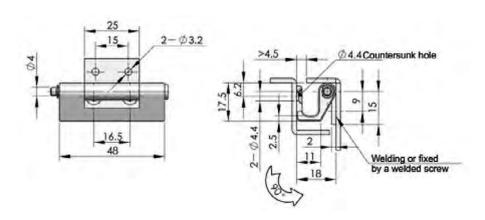
STEEL





CL237

• Zinc plated steel



Code	Door Return Cavity (mm)	Height (mm)	Thick (mm)	Open Angle (°)	Material / Finish	Fixing Method	Hole Centres (mm)
CL237	18	48	2	90	Steel / Zinc	2xM4 or Weld	See diagram



CONCEALED: 20mm STEEL & STAINLESS STEEL



M-295-6-3-1

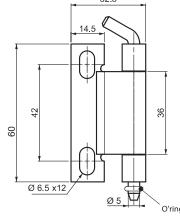
- Zinc plated steel
- · Copper coated weld

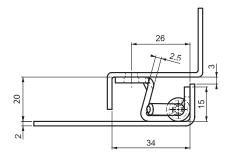


M-295-4-0-1

- 304 Stainless steel
- 303 Stainless steel pin







M-295-#-#-1

Fits door with

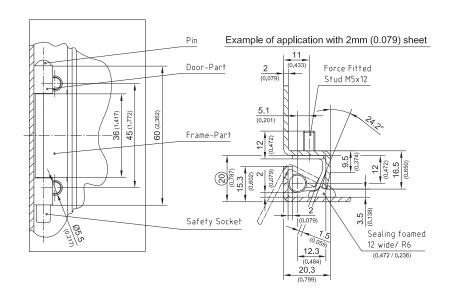
20mm hinge cavity

Code	Door Return Cavity (mm)	Height (mm)	Thick (mm)	Open Angle (°)	Material / Finish	Fixing Method	Hole Centres (mm)
M-295-6-3-1	20	60	2.5	120	Steel / Zinc	2xM6 + Weld	42H
M-295-4-0-1	20	60	2.5	120	S/Steel	2xM6 + Weld	42H

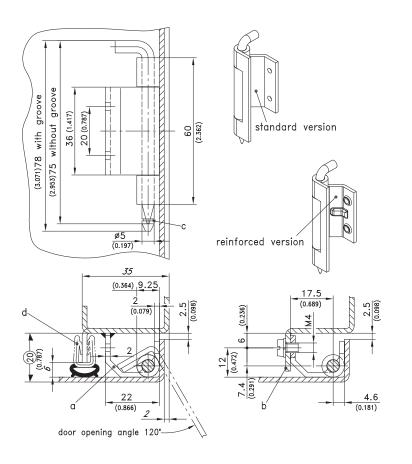
CONCEALED: 20mm

STEEL









Code	Door Return Cavity (mm)	Height (mm)			Material / Finish	Fixing Method	Hole Centres (mm)
216-9032	20	60	2.5	120	Steel / Zinc	2xM5 + Weld	45H
216-9001	20	60	2.5	120	Steel / Zinc	2xM4 + Weld	20H



CONCEALED: 20mm

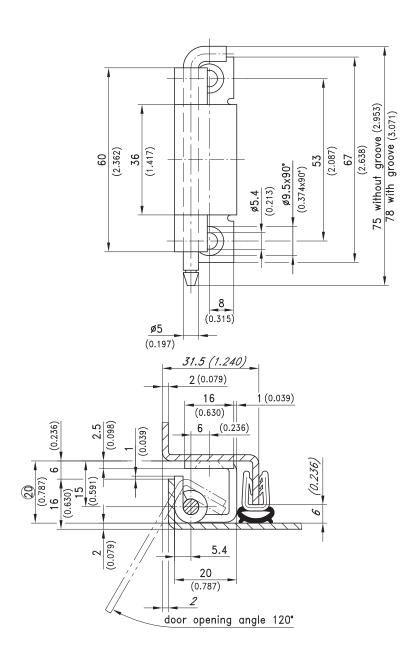
STEEL & STAINLESS STEEL



216-9022 Zinc plated steel With grooved pin

216-9115 304 S/Steel Without grooved pin

216-9116 304 S/Steel With grooved pin

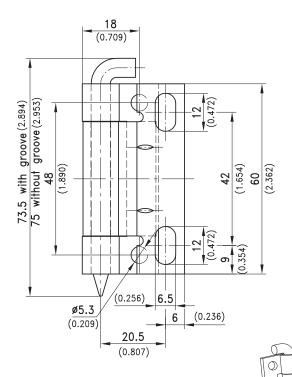


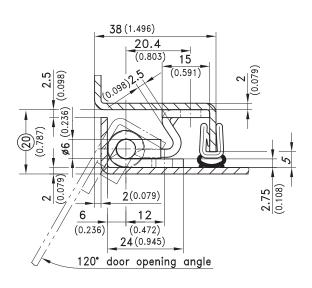
Code	Door Return Cavity (mm)	Height (mm)	Thick (mm)	Open Angle (°)	Material / Finish	Fixing Method	Hole Centres (mm)
216-9022	20	60	2.5	120	Steel / Zinc	2xM5 + Weld	53
216-9115	20	60	2.5	120	304 S/Steel	2xM5 + Weld	53
216-9116	20	60	2.5	120	304 S/Steel	2xM5 + Weld	53



CONCEALED: 20mm

STAINLESS STEEL









Code	Door Return Cavity (mm)	Height (mm)	Thick (mm)	Open Angle (°)	Material / Finish	Fixing Method	Hole Centres (mm)
216-9103	20	60	2.5	120	304 S/Steel	4xM5 Screws	48 + 42



CONCEALED: 24mm

STEEL & STAINLESS STEEL



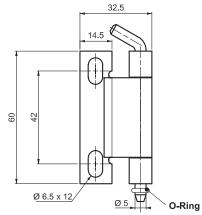
M-295-6-3-2

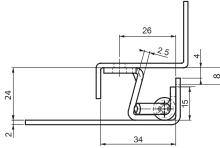
- Zinc plated steel
- Copper coated weld



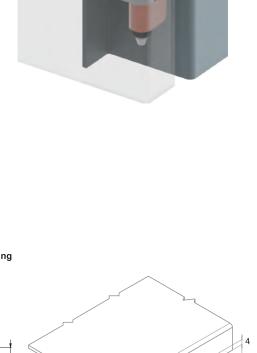
M-295-4-0-2

- 304 Stainless steel
- 303 Stainless steel pin





M-295-#-#-2 Fits door with 24mm hinge cavity

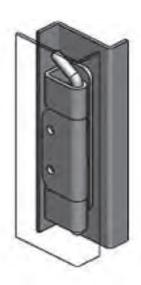


M-295-#-#-2 Door cut-out required

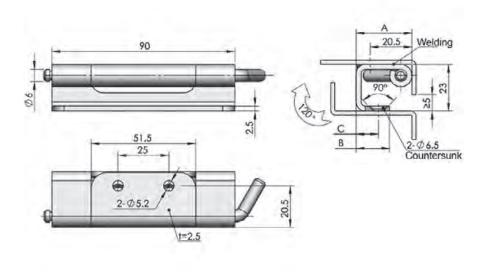
Code	Door Return Cavity (mm)	Height (mm)	Thick (mm)	Open Angle (°)	Material / Finish	Fixing Method	Hole Centres (mm)
M-295-6-3-2	24	60	2.5	120	Steel / Zinc	2xM6 + Weld	42H
M-295-4-0-2	24	60	2.5	120	S/Steel	2xM6 + Weld	42H

CONCEALED: 24mm STAINLESS STEEL

• 304 Stainless steel







Code	Door Return Cavity (mm)				Material / Finish	Fixing Method	Hole Centres (mm)
CL283-1	24	90	2.5	120	304 S/steel	2xM6+2xM5	25H

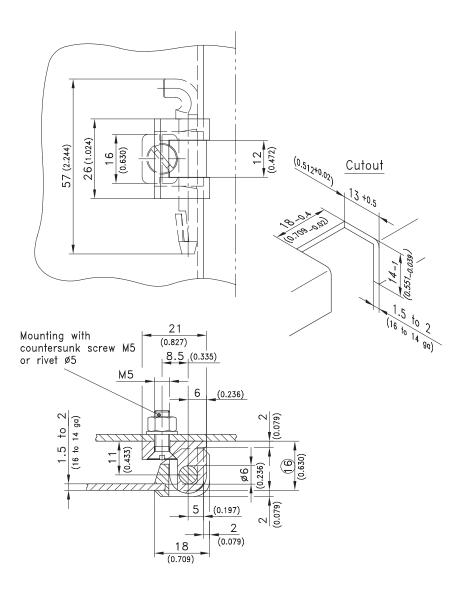


SEMI-CONCEALED: 16mm

PLASTIC

- Polyamide body
- Polyacetal plastic pin





Code		Door Return Cavity (mm)			Body Material / Finish	Pin Material	Fixing Method
212-9101	1.5-2.0	16	26	180	Polyamide	POM	Slot + 1xM5

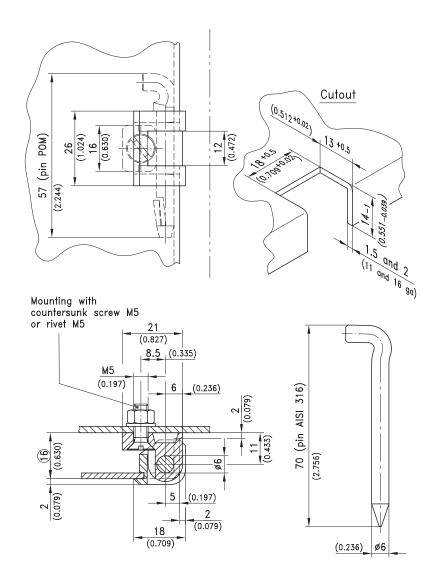
POM = Polyacetal plastic



SEMI-CONCEALED: 16mm 316 STAINLESS STEEL

- 316 Stainless steel body
- Pin can be polyacetal plastic, or 316 stainless steel





Code		Door Return Cavity (mm)		Open Angle (°)	Body Material / Finish	Pin Material	Fixing Method
212-9703	2.0	16	26	180	316 S/steel	POM	Slot + 1xM5
212-9704	1.5	16	26	180	316 S/steel	304 S/steel	Slot + 1xM5

POM = Polyacetal plastic

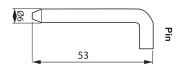


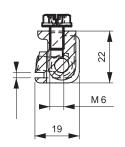
SEMI-CONCEALED: 18mm ZINC & STEEL

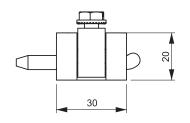
- Zinc die cast body
- Zinc plated steel pin

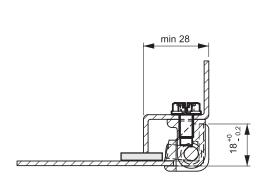


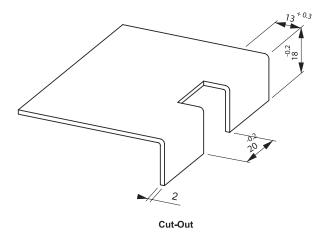










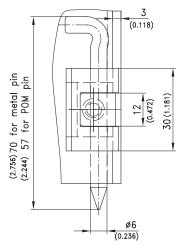


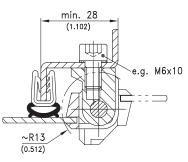
Code		Door Return Cavity (mm)	_				Fixing Method
M-097-1-2-2-22	1.5 - 2.0	18	30	180	Steel/Zinc	Steel / Zinc	Slot + 1xM6

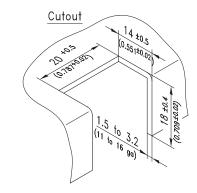
SEMI-CONCEALED: 20mm ZINC & STEEL / PLASTIC

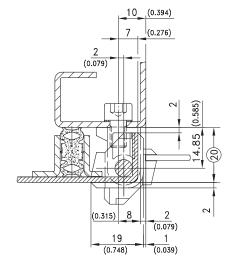
- Zinc die cast body
- Pin can be zinc plated steel, polyacetal plastic, or stainless steel











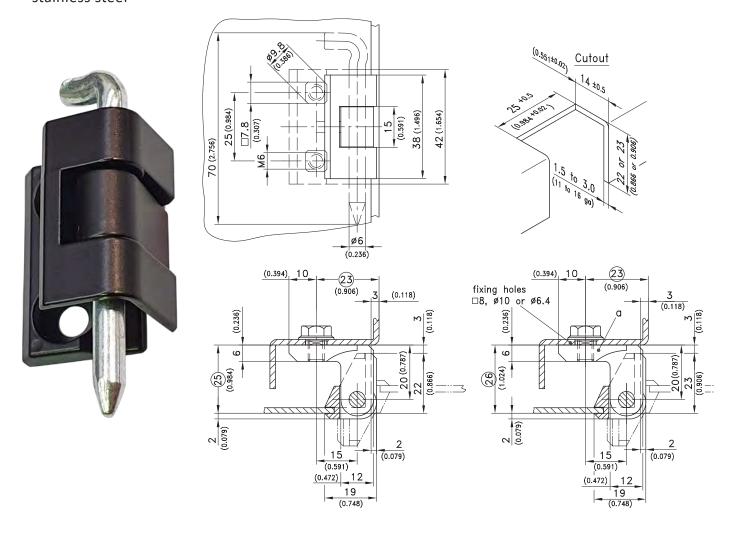
Code	Door Panel Thickness	Door Return Cavity (mm)	Height (mm)	Open Angle (°)	Body Material / Finish	Pin Material	Fixing Method
212-9001	1.5-2.0	20	30	180	Zinc / Chrome	Steel / Zinc	Slot + 1xM6
212-9003	1.5-2.0	20	30	180	Zinc / Chrome	POM	Slot + 1xM6
212-9005	1.5-2.0	20	30	180	Zinc / Black	304 S/Steel	Slot + 1xM6
212-9006	1.5-2.0	20	30	180	Zinc / Black	POM	Slot + 1xM6
212-9505	2.5-3.2	20	30	180	Zinc / Black	304 S/Steel	Slot + 1xM6
212-9506	2.5-3.2	20	30	180	Zinc / Black	POM	Slot + 1xM6

POM = Polyacetal plastic



SEMI-CONCEALED: 25mm ZINC & STEEL / PLASTIC

- Zinc die cast body
- Pin can be zinc plated steel, or stainless steel



Code	Door Panel Thickness	Door Return Cavity (mm)	Height (mm)	Open Angle (°)	Body Material / Finish	Pin Material	Fixing Method
212-9014	1.5-2.0	25	42	180	Zinc / Black	Steel / Zinc	Slot + 1xM6
212-9020	1.5-2.0	25	42	180	Zinc / Chrome	Steel / Zinc	Slot + 1xM6
212-9514	2.5-3.2	26	42	180	Zinc / Black	Steel / Zinc	Slot + 1xM6
212-9514-SS	2.5-3.2	26	42	180	Zinc / Black	304 S/Steel	Slot + 1xM6

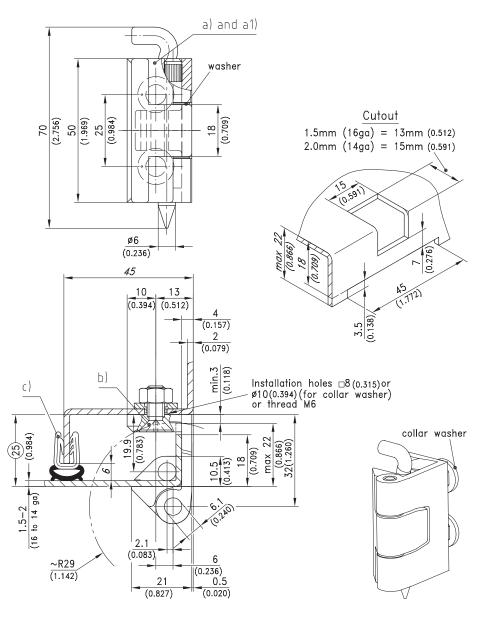
POM = Polyacetal plastic



SEMI-CONCEALED: 25mm ZINC & STEEL / PLASTIC

- Zinc die cast body
- Pin can be zinc plated steel, polyacetal plastic, or stainless steel





Code		Door Return Cavity (mm)			Body Material / Finish	Pin Material	Fixing Method
212-9037	1.5-2.0	25	50	180	Zinc / Chrome	Steel / Zinc	Slot + 2xM6



12	SEALING RUBBER	Pages
	Adhesive Backed Foam	2
	Sheet Edge Seal - Side Mount Seals	3 - 4
	Sheet Edge Seal - Top Mount Seals	4 - 5
	Sheet Edge Protection	5 - 8
	Window Sealing Rubber	8
	Truck / Container Door Seal & Corner Joiners	9



SEALING RUBBER

EDPM ADHESIVE FOAM D SHAPE PROFILES



SEL-R-X codes are hollow



M-1300 codes are not hollow



Hollow, with fins, 3M tape Exceptionally good sealing









SEL-R-X1333HT SEL-R-X105HT

SEL-R-X109HT SEL-R-X119HT







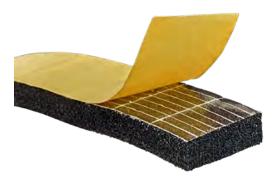
SEL-R-X135HT

M-1300.X.X

9187STS

Code	Dimensions	Order Qty
SEL-R-X1333HT	9.5W x 5.5mmH	Per m, or, 100m Roll
SEL-R-X105HT	9.5W x 11mmH	Per m, or, 76m Roll
SEL-R-X109HT	16W x 9.5mmH	Per m, or, 100m Roll
SEL-R-X119HT	19W x 9.5mmH	Per m, or, 100m Roll
SEL-R-X135HT	19W x 14mmH	Per m, or, 76m Roll
M-1300.5.10	10W x 5mmH	50m Roll
M-1300.5.15	15W x 5mmH	50m Roll
M-1300.8.15	15W x 8mmH	50m Roll
9187STS	20W x 17mmH	Per m, or, 50m Roll

RECTANGULAR PROFILES



M-1200 codes

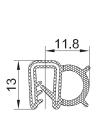
- Scrim netting for better resistance to overstretching
- High quality adhesive
- EDPM-Closed cell construction

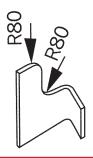
Code	Dimensions	Order Qty
M-1200.2.10	2H x 10mmW	10m Roll
M-1200.3.10	3H x 10mmW	10m Roll
M-1200.3.15	3H x 15mmW	10m Roll
M-1200.3.20	3H x 20mmW	10m Roll
M-1200.3.30	3H x 30mmW	10m Roll
M-1200.5.10	5H x 10mmW	10m Roll
M-1200.5.20	5H x 20mmW	10m Roll
M-1200.5.25	5H x 25mmW	10m Roll
M-1200.5.30	5H x 30mmW	10m Roll
M-1200.5.40	5H x 40mmW	10m Roll
M-1200.6.12	6H x 12mmW	10m Roll
M-1200.6.20	6H x 20mmW	10m Roll
M-1200.6.25	6H x 25mmW	10m Roll
M-1200.10.15	10H x 15mmW	5m Roll
M-1200.10.25	10H x 25mmW	5m Roll



SEALING RUBBER

SIDE MOUNT SEAL

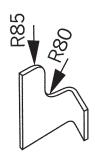




Code	Material	Grip Range	Order Qty
1011-106	EPDM	1.5 - 3.0mm	Per m, or 50m Roll

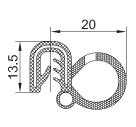


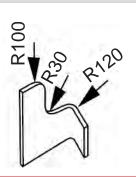




Code	Material	Grip Range	Order Qty
1011-109	EPDM	1.0 - 2.0mm	Per m, or 50m Roll



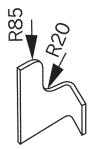




Code	Material	Grip Range	Order Qty
1011-A3297	EPDM	2.0mm	Per m, or 50m Roll





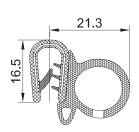


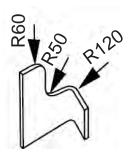
Code	Material	Grip Range	Order Qty
1011-10212	EPDM	1.0-2.0mm	Per m, or 100m Roll





SIDE MOUNT SEAL

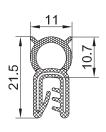


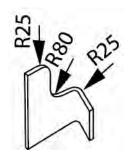


Code	Material	Grip Range	Order Qty
1011-A121/6	EPDM	4.0-6.0mm	Per m, or 50m Roll



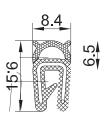
TOP MOUNT SEAL

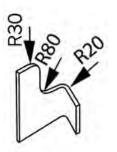




Code	Material	Grip Range	Order Qty
1011-105	EPDM	1.0-3.0mm	Per m, or 50m Roll

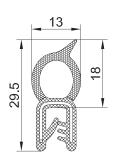


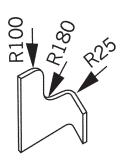




Code	Material	Grip Range	Order Qty
1011-110	EPDM	1.0-2.0mm	Per m, or 50m Roll





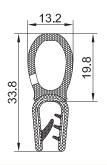


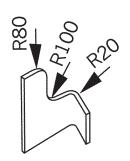
Code	Material	Grip Range	Order Qty
1011-A2516/4	EPDM	2.5-4.0mm	Per m, or 50m Roll



SEALING RUBBER

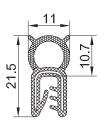
TOP MOUNT SEAL

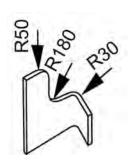




(Code	Material	Grip Range	Order Qty
1	1011-A1104/4	EPDM	2.0-4.0mm	Per m, or 50m Roll

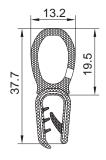


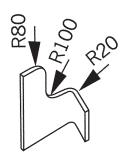




Code	Material	Grip Range	Order Qty
1011-A3681	EPDM	3.5-5.0mm	Per m, or 50m Roll







Code	Material	Grip Range	Order Qty
1011-A1030/E2583	EPDM	4.0-6.0mm	Per m, or 50m Roll



MARINE EDGE PROTECTION ALUMINIUM CAGE

- Suitable for marine applications
- Internal aluminium cage (no rust)
- Contact us for pricing and availability





EDGE PROTECTION





Code	Material	Grip Range	Order Qty
1011-10801	EPDM	0.8-1.5mm	Per m, or 100m Roll







Code	Material	Grip Range	Order Qty
1011-10802	EPDM	1.0-2.0mm	Per m, or 100m Roll







Code	Material	Grip Range	Order Qty
1011-10804	EPDM	1.0-3.0mm	Per m, or 100m Roll





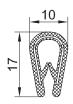


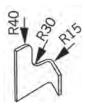
Code	Material	Grip Range	Order Qty
1011-10803	EPDM	1.0-4.0mm	Per m, or 100m Roll



SEALING RUBBER

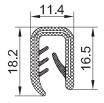
EDGE PROTECTION

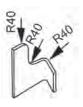




Code	Material	Grip Range	Order Qty
1011-A1018	EPDM	2.0-4.0mm	Per m, or 100m Roll







Code	Material	Grip Range	Order Qty
1011-A1030	EPDM	4.0-6.0mm	Per m, or 100m Roll



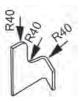




Code	Material	Grip Range	Order Qty		
1011-A1019/8	EPDM	6.0-8.0mm	Per m, or 100m Roll		







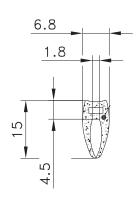
Code	Material	Grip Range	Order Qty
1011-A1019/10	EPDM	8.0-10.0mm	Per m, or 100m Roll

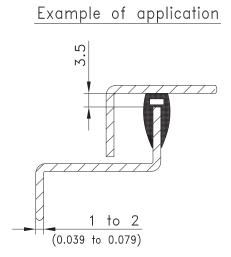


SEALING RUBBER

EDGE SEALING RUBBER

- Top mount sealing rubber
- EPDM material







Code	Description
209-0302	EPDM Top mount sealing rubber

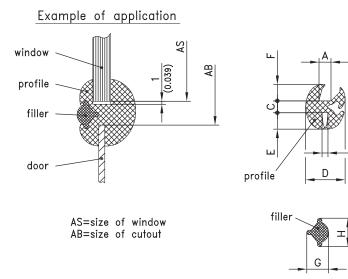
Other profiles available on request

WINDOW SEALING RUBBER

• Window sealing rubber

EPDM material





Code	Description	Units (mm)	A	В	С	D	Ε	F	G	н	Bend Radius
209-0502 + 209-0602	Profile + Filler		4	2.5	7	16	7	7	7.5	9.5	70

Other profiles available on request



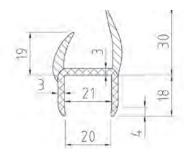
TRUCK / CONTAINER SEAL

- Truck, trailer, container door sealing rubber supplied in 5m lengths
- Corner joiners available separately
- Glue with Sika or Quilosa MS35 product





P200-21 Grey H-Seal

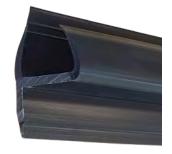


Code	Colour	Panel Thickness	Order Qty	
P-200-21	Grev	20mm	5m	

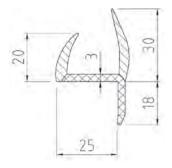






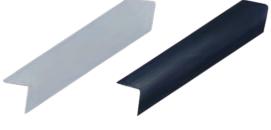


183125 Black J-Seal



Code	Colour	Panel Thickness	Order Qty
183020	Grey	25mm +	5m
183125	Black	25mm +	5m

CORNER JOINERS



Code	Colour	Description
P2627	Grey	Corner Joiner
P2627-BLK	Black	Corner Joiner





Showing 183020 mitre join without and with P2627 corner joiner



3	TRANSPORT HARDWARE	Pages
	Electric Trailer Jockey Wheel / Levelling Stand	2
	316SS Hook, Eye & Carabiner	3
	Locker / Compartment Latch	3
	Hasp & Staples	4
	Lifting Eye Bolts	5
	316SS Slide "Tower" Bolt	5
	Spring Bolts	6 - 8
	Antiluce, "Anti-rattle", "Drop" Locks	9
	Tie Down Lashing Rings	10
	Rubber Bonnet Latches	10
	Rubber Door / Ramp Stoppers & Mushroom Buffers	11
	Door Retainers "Hold Backs"	11 - 14
	Emergency Hammers	15
	Truck / Container "Cam Lock" Door Locking Kits - Surface Mount	16 - 20
	Truck / Container "Cam Lock" Door Locking Kits - Recessed Mount	21 - 22



ELECTRIC JOCKEY WHEEL & ACCESSORIES

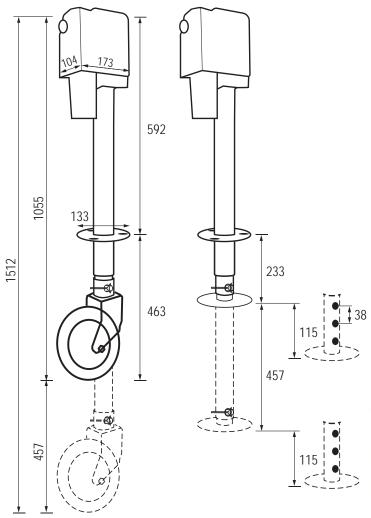
FEATURES:

- 1590kg 12V DC 20A Electric jack
- Push button Up/Down control
- Powder coated rust-resistant construction
- Sturdy base greater stability
- · Acme rolled inner screw thread
- Motor protected with 20A fuse
- IP54

DIMENSIONS:

Load capacity = 1590kg Travel (Lift) = 457mm Weight = 11.7kg

Wheel size = ø200mm (680kg Max)







Code	Description
TK-JW-3205	12V DC 20A 1590kg 18" Lift Electric Jack. 200Dia x 50mm Jockey Wheel 680kg Max
TK-LF	Levelling foot attachment with 4 holes for quick height adjustment up to 115mm
TK-DBB	Draw bar bracket for attaching jockey wheel

TK-JW-3205



TK-LF

HOOK, EYE & CARIBINER TIE OFF BRACKETS MARINE GRADE 316 STAINLESS STEEL

- Tie off points for rope and bungys for boat covers, sun shades, trailers, etc
- 316 Stainless steel suitable for use in marine environments







DX316-HOOK

DX316-EYE

DX316-CARIBINER

Code	Base (mm)	Gap For Rope	Holes (mm)
DX316-HOOK	27 x 27	6mm H	M4 CSK
DX316-EYE	35 x 30	10mm Dia	M5 CSK
DX316-CARIBINER	36 x 30	11mm H	M4 CSK

COMPARTMENT LATCHES ZINC ALLOY & MARINE GRADE 316 STAINLESS STEEL

- Surface mount locker / cabinet latch
- Zinc alloy / chrome or 316 Stainless steel









90042 Zinc alloy

94042-316 316 Stainless steel suitable for use in marine environments

Code	Description	Material	Dimensions	Fixing method
90042	Compartment latch	Zinc / Chrome	45Dia x 12H	4xM4 CSK Holes
94042-316	Compartment latch	316 S/Steel	50Dia x 19H	4xM4 CSK Holes



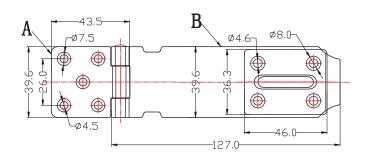
TRANSPORT HARDWARE

HASP & STAPLE PADLOCKABLE STAINLESS STEEL

- 304 Stainless Steel Hasp and Staple
- Padlockable



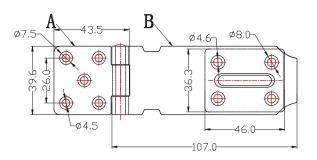
Ø10.07 Ø10.07 Z.0 Z.0 Z.0



HS-01SS



31.0 6.0 7.8 910.0 2.0



Code	Description	Dimensions
HS-01SS	Large hasp & staple	39.6W x 127H
HS-02SS	Small hasp & staple	39.6W x 107H



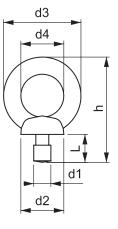
LIFTING EYE BOLTS STEEL

• Creates easy lifting / moving of enclosures, machines and trailer bodies, cages and covers











=	M-2455	M-2453	M-2452	M-2451
---	--------	--------	--------	--------

Code	Thread (mm)	Safe Load at 90° (kg)	d2 (mm)	d3 (mm)	d4 (mm)	h (mm)	L (mm)	Material / Finish
M-2451	M8	140	20	36	20	49	13.0	Steel / Zinc
M-2452	M10	230	25	45	25	63	17.0	Steel / Zinc
M-2453	M12	340	30	54	30	73.5	20.5	Steel / Zinc
M-2455	M16	700	35	63	35	89	27.0	Steel / Zinc

SLIDE BOLT MARINE GRADE 316 STAINLESS STEEL

- Free moving slide ("tower") bolt
- Suitable for latching doors, cupboards, lockers
- Suitable for use in marine applications



Code	Pin Ø (mm)	Material / Finish	Fixing
DX316-SB-90	10	316 S/steel	6xM4 Holes

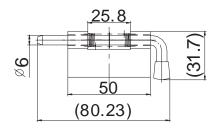


TRANSPORT HARDWARE

SPRING BOLT 6mm STAINLESS STEEL

• Mini 6mm spring bolt with plate for welding or drill and bolt on



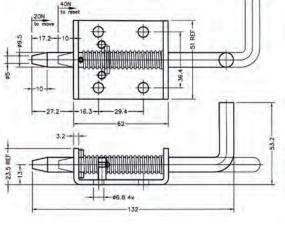


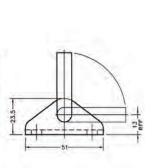
Code	Pin Ø (mm)	Material / Finish
152104-S	6	304 S/steel

SPRING BOLT 10mm STEEL

• 10mm spring bolts









Code	Pin Ø (mm)	Pin Retracted (mm)	Pin Extended (mm)	Material / Finish
9535	9.5	34	51	Steel / Zinc
9535-1	9.5	10	27	Steel / Zinc



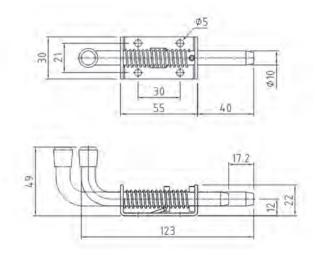
TRANSPORT HARDWARE

SPRING BOLT 10mm STAINLESS STEEL

• 10mm Spring bolt



Code	Pin Ø (mm)	Material / Finish
152103-S	10	304 S/steel



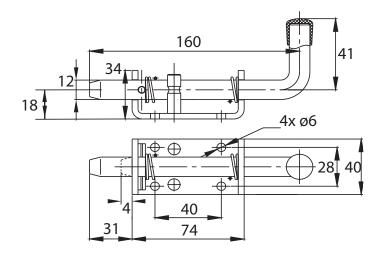
SPRING BOLT 12mm STEEL & STAINLESS STEEL

• Heavy duty 12mm spring bolts





Code	Pin Ø (mm)	Material / Finish
9156	12	Steel / Zinc
9156-SS	12	304 S/Steel

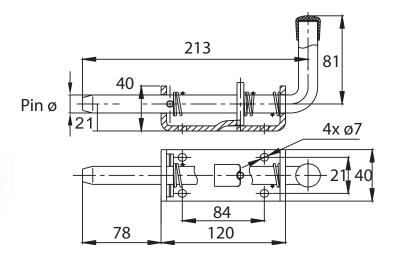




SPRING BOLT - 12mm & 16mm STEEL & STAINLESS STEEL

• Heavy duty 12 & 16mm spring bolts



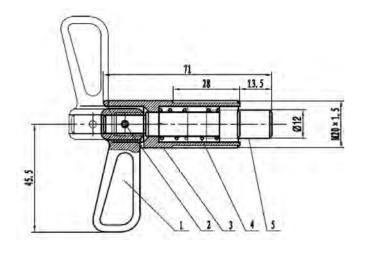


Code	Pin Ø (mm)	Material / Finish
152020	16	Steel / Zinc
152030	12	Steel / Zinc
152030-S	12	304 S/steel

LIFT & TURN SPRING BOLT - 12mm STEEL

 Heavy duty 12mm pistol type lift & turn spring bolt





Code	Description	Pin Ø (mm)	Material / Finish
152081	Spring bolt	12	Steel / Zinc
F-HN-M20X1.5-ZP	M20 Hex Half Nut		Steel / Zinc

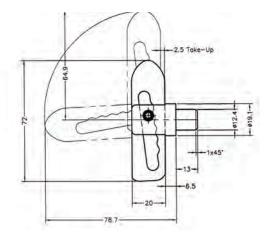


ANTILUCE - WELD ON STEEL

· Antiluce with 12mm stub for welding





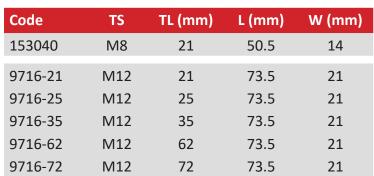


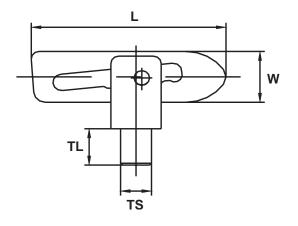
Code	Stub / Boss Length (mm)
9777	12

ANTILUCE - BOLT ON STEEL

- Four sizes of threaded anti-luce
- Supplied with nyloc nut









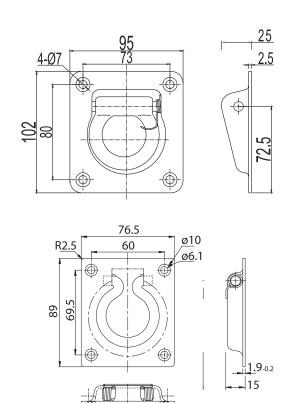
LASHING RINGS STEEL & STAINLESS STEEL



058000 & 058000S
Heavy duty spring loaded lashing ring



Medium duty spring loaded lashing ring



Code	Description	Breaking Load	Material / Finish
058000	Heavy Duty Lashing Ring	2000kg	Steel / Zinc
058000S	Heavy Duty Lashing Ring	2000kg	304 S/steel
92005S	Medium Duty Lashing Ring	800kg	304 S-steel

BONNET CATCH STEEL & STAINLESS STEEL



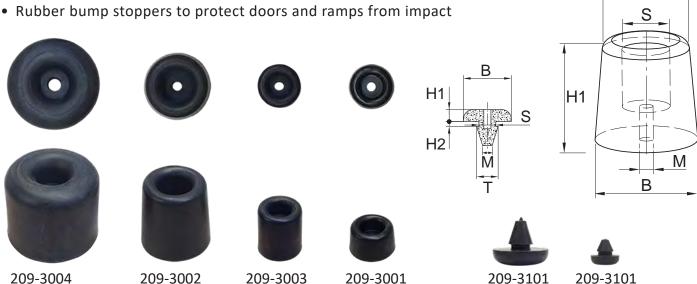
Code	Material / Finish	Dimensions
9027	Rubber & Steel / Zinc	123L x 59W x 35H
9027S	Rubber & 304 S/steel	123L x 80W x 35H





TRANSPORT HARDWARE

DOOR / RAMP STOPPERS RUBBER BUMPERS & MUSHROOM BUFFERS



Code	Description	B Ø (mm)	T Ø (mm)	H1 (mm)	H2 (mm)	s Ø (mm)	M Ø (mm)
209-3004	40Dia x 32H Rubber bumper	40	38	3	NA	13	6
209-3002	30Dia x 30H Rubber bumper	30	25	30	NA	14	4
209-3003	20Dia x 23H Rubber bumper	20	19	22.5	NA	10	4
209-3001	20Dia x 10H Rubber bumper	20	18	12	NA	10	4
209-3101	20Dia x 15H Mushroom bumper	20	9	5	2	7	4
209-3102	10Dia x 9H Mushroom bumper	10	6	3	1.5	5	2

DOOR STOP & HOLD BACK MARINE GRADE 316 STAINLESS STEEL

- Door stop and hold back latch
- Slam type snib gives automatic hold open latching. Easy push lever to release door
- Marine grade stainless steel suitable for boats and coastal properties

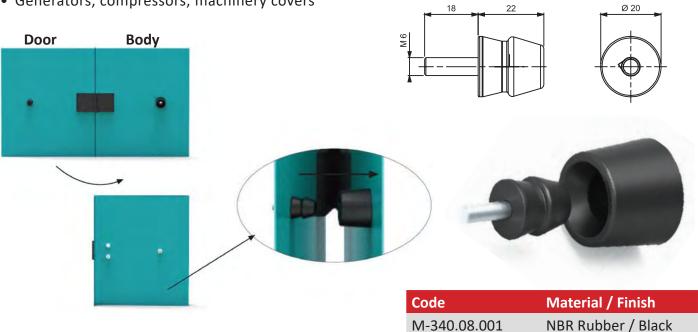


Code	Dimensions (mm)	Description	Material
DX316-DHB	50Dia x 60L	Door hold back latch	316 S/Steel



DOOR HOLD BACK FRICTION DOOR RETAINER **RUBBER**

- Rubber door holder
- Offers some shock absorption
- Good corrosion resistance or outdoor cabinets
- Generators, compressors, machinery covers

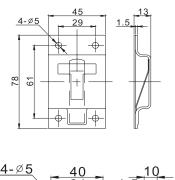


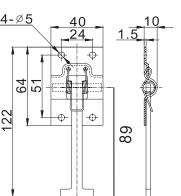
DOOR HOLD BACK SPRING LOADED DOOR RETAINER STAINLESS STEEL

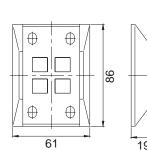
- Popular vehicle door holder
- 304 Stainless steel

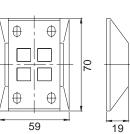


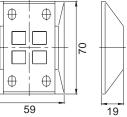
Code	Description
6564-4-SS	Door retainer









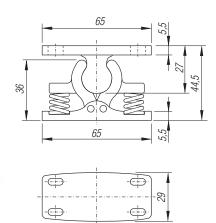




DOOR HOLD BACK SPRING LOADED DOOR RETAINER PLASTIC

- White plastic door holder
- Stainless steel spring
- Elongated (10x5mm) fixing holes for easy alignment during installation
- Hole centres 50W x 17H





Code	Description
631800	Door retainer

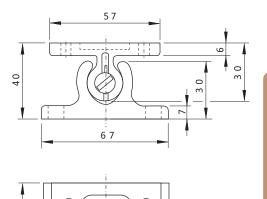
DOOR HOLD BACK ADJUSTABLE FRICTION DOOR RETAINER PLASTIC

- White or black plastic door holder
- Stainless steel spring
- Screw to adjustable holding friction









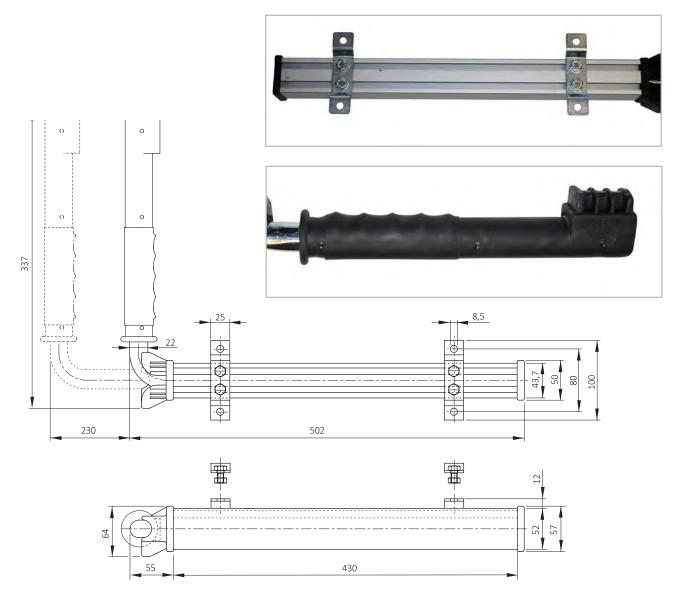
Code	Description	Colour	
DR555-WH	Door retainer	White	
DR555_RIK	Door retainer	Black	



DOOR HOLD BACK SPRING LOADED UNDER CHASSIS RETAINER ALUMINIUM / STEEL

- Profile anodised aluminium
- End covers plastic
- End cover screws stainless steel
- Spring stainless steel
- Arm galvanised steel
- Cover on arm black rubber
- Fixing brackets galvanised steel









TRANSPORT HARDWARE

EMERGENCY HAMMERS WINDOW HAMMER / SEAT BELT CUTTER / ALARM

- Must have safety equipment for all vehicles
- Multi-function window hammer features:
 - Window hammer
 - Seat belt cutter
 - Alarm to prevent misuse (e.g. school bus)



Seat belt cutter
Window Hammer



Seat belt cutter to release passenger in emergency vehicle crash or fire



Window Hammer Anti-tamper alarm / Locator alarm



Glass breaking hammer to release passenger in emergency vehicle crash or fire

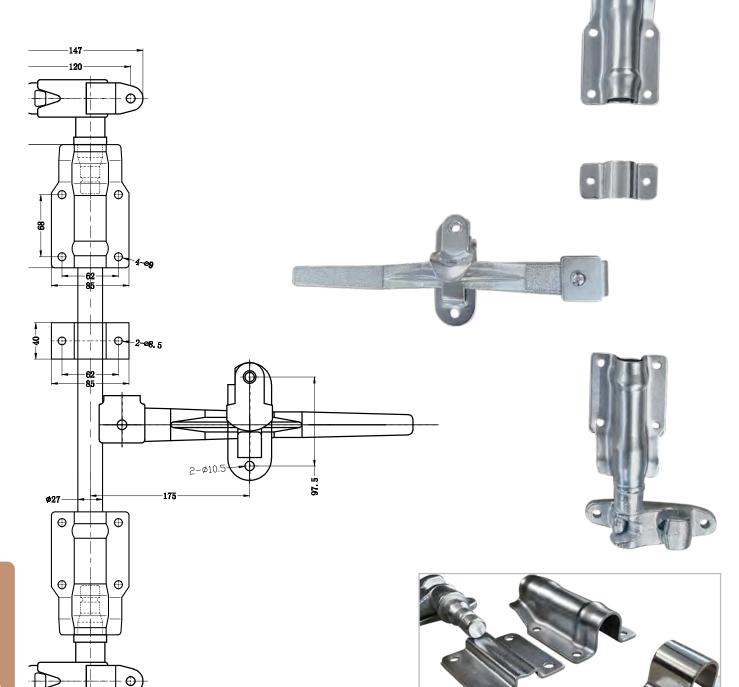
Code	Features
HM6650	Hammer / Belt cutter
HM6656	Hammer / Belt cutter / Anti-Tamper alarm



CAM LOCK KIT - EXTERNAL 27mm STRAIGHT HANDLE

STEEL

- To suit 27mm OD tubing (not included)
- Straight handle



Code	Handle Type	Material / Finish	Tube OD (mm)
372831	Straight handle	Steel / Zinc	27



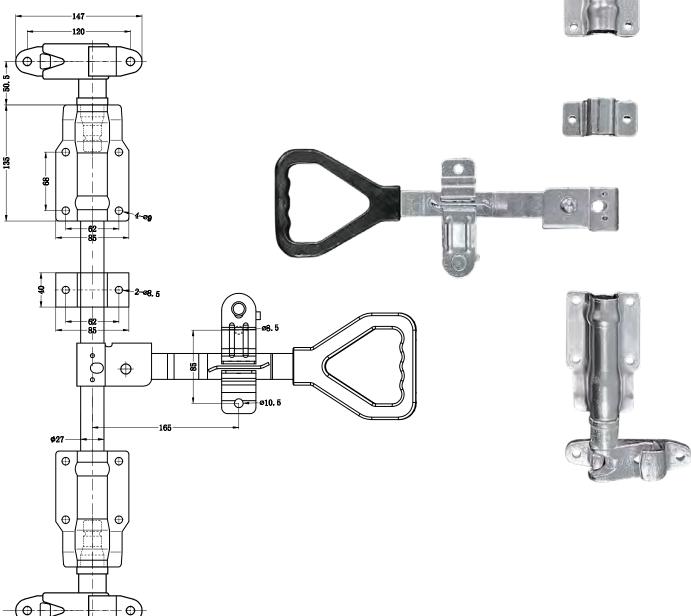


TRANSPORT HARDWARE

CAM LOCK KIT - EXTERNAL 27mm D HANDLE STEEL & STAINLESS STEEL

- To suit 27mm OD tubing (not included)
- D Handle





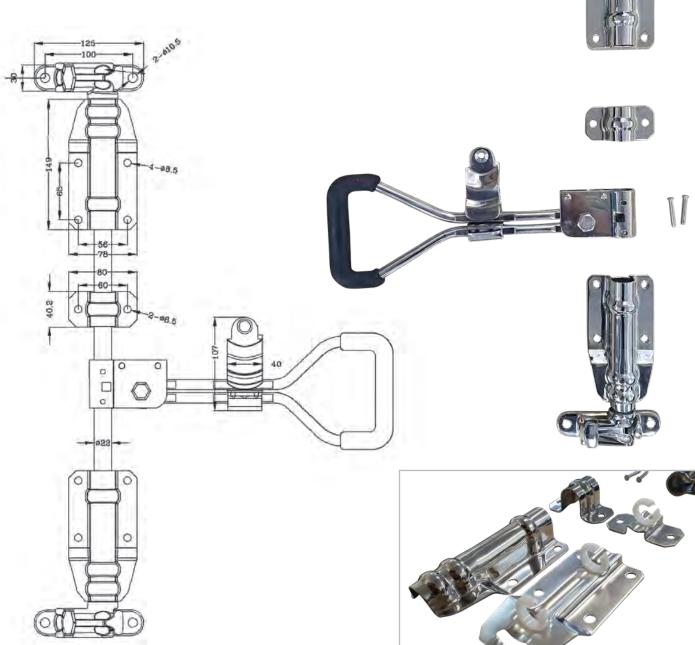
Code	Handle Type	Material / Finish	Tube OD (mm)
372854	D-Handle	Steel / Zinc	27
372854S	D-Handle	304 S/Steel	27



CAM LOCK KIT - EXTERNAL 22mm D HANDLE STAINLESS STEEL

- To suit 22mm OD tubing (not included)
- D handle





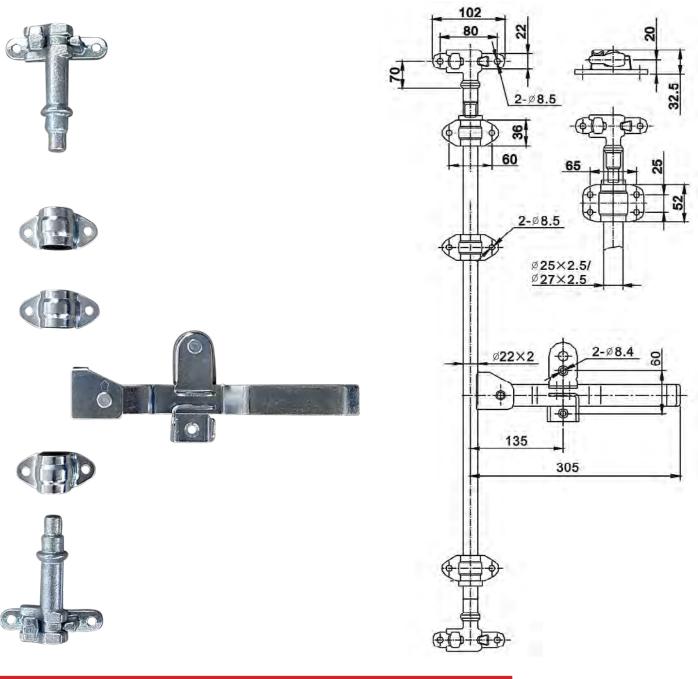
Code	Handle Type	Material / Finish	Tube OD (mm)
254717	D-Handle	Steel / Zinc	22
254717S	D-Handle	304 S/Steel	22



TRANSPORT HARDWARE

CAM LOCK KIT - EXTERNAL 21mm STRAIGHT HANDLE STEEL

- To suit 21mm OD tubing (not included)
- Straight handle







TRANSPORT HARDWARE

CAM LOCK KIT - EXTERNAL 21mm D HANDLE STEEL

- To suit 21mm OD tubing (not included)
- D Handle



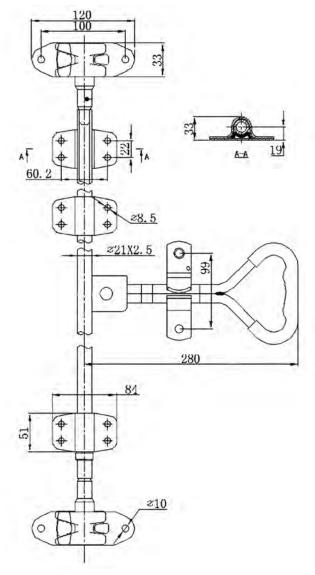














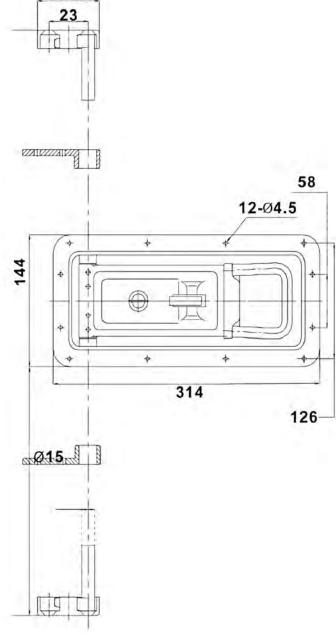
Code	Handle Type	Material / Finish	Tube OD (mm)
010500H	D-Handle	Steel / Zinc	21



TRANSPORT HARDWARE

CAM LOCK KIT - INTERNAL / FLUSH STEEL & STAINLESS STEEL

- To suit 16mm OD tubing (not included)
- Flush Handle recessed dish



36.45





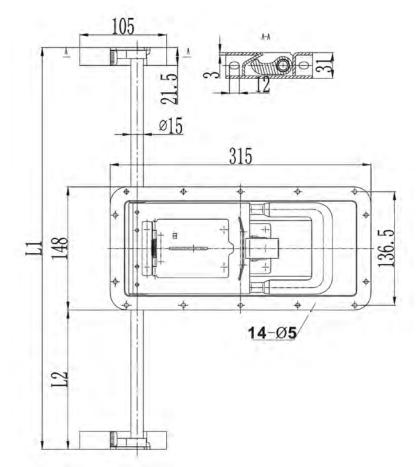


Code	Handle Type	Material/Finish	Tube OD (mm)
011400	Recessed	Steel Zinc	16

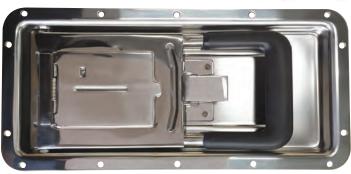


CAM LOCK KIT - INTERNAL / FLUSH STAINLESS STEEL

- To suit 16mm OD tubing (not included)
- Flush Handle recessed dish
- Keylock access behind spring loaded cover plate









Code	Handle Type	Material/Finish	Tube OD (mm)
162505A-S	Recessed	304 S/Steel / Polished	16

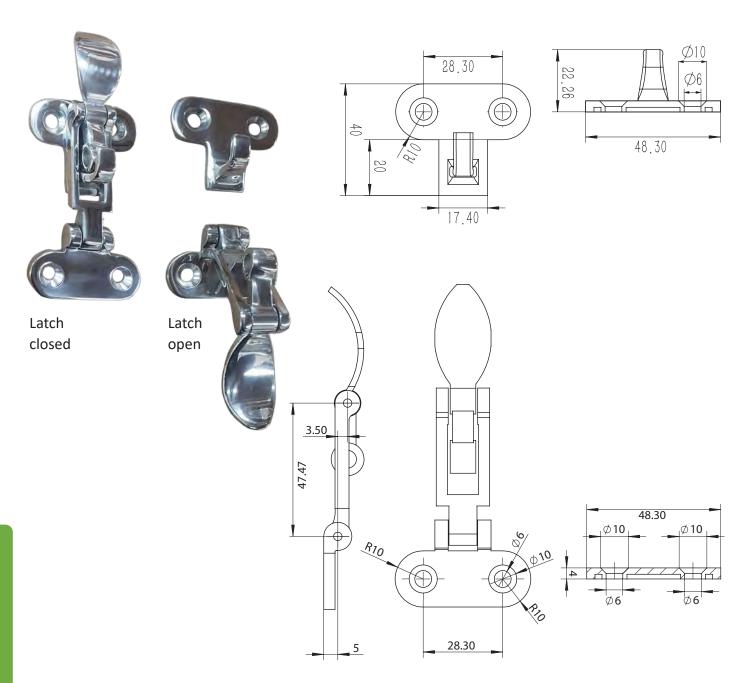


14	OVER CENTRE FASTENERS	Pages
	316SS Hasp & Staple Over Centre Latch	2
	Toggle Clamps - Vertical, In-Line, Horizontal, Hook & Loop	3 - 4
	Adjustable Padlockable Over Centre Latches	5 - 6
	Large Safety Latching Over Centre Latches	7
	Large Non Locking & Padlockable Over Centre Latches	8
	Large Key Locking Over Centre Latches	9
	Large Alternative Hooks For Over Centre Latches	10
	Medium Non Locking & Padlockable Over Centre Latches	11
	Small Non-Locking & Safety Latching Over Centre Latches	12 - 13
	Small Non-Locking & Padlockable Over Centre Latches	14 - 15
	Small Adjustable Safety Latching Over Centre Latches	16
	Small Adjustable Non-Locking & Safety Latching Over Centre Latches	17
	Small Adjustable Padlockable Over Centre Latches	18
	Extra Large Adjustable Heavy Duty Over Centre Latch	19
	Extra Large Heavy Duty Weld On Over Centre Latch	20



HASP & STAPLE LATCH PADLOCKABLE 316 STAINLESS STEEL

- Padlockable hasp and staple with overcentre action
- Suitable for marine locker applications
- 316 Stainless steel



Code	Overall (mm)	Padlock Hole (mm)
DX316-HS-111	111L x 50W x 28H	6.3



OVER CENTRE FASTENERS TOGGLE CLAMP VERTICAL

STEEL CLAIVIP V

- For clamping materials for wood work and metal work
- Pull handle up to vertical locked position
- Handle shown in locked position

Code	Dimensions	Mounting	Load
MP-12265	64W x 141L	Base	340kg
MP-101B	30W x 70W	Side	100kg
MP-12050	40W x 64L	Base	91kg
MP-101A	33W x 51L	Base	50kg



TOGGLE CLAMP IN-LINE STEEL

- For clamping materials for wood work and metal work
- Base mount models; push handles forward to lock
- Bracket mount models can be custom mounted through a hole and secured with the lock nut
- Handle shown in locked position



Code	Dimensions	Mounting	Load
MP-304EM	57W x 163L	Base	386kg
MP-302FM	56W x 140L	Base	136kg
MP-301AM	27W x 68L	Base	45kg
MP-36224M	39W x 171L	Thru-hole	318kg
MP-36204M	31W x 115L	Thru-hole	136kg
MP-36202M	24W x 171L	Thru-hole	91kg



OVER CENTRE FASTENERS TOGGLE CLAMP HORIZONTAL STEEL

- For clamping materials for wood work and metal work
- Push handle down to horizontal locked position
- Handle shown in locked position



MP-200WL

Code	Dimensions	Mounting	Load
MP-200WL	50W x 290L	Base	400kg
MP-20235	57W x 262L	Base	340kg
MP-202FL	46W x 230L	Side	227kg
MP-225D	35W x 108L	Base	227kg
MP-21502B	40W x 171L	Base	150kg
MP-201B	36W x 142L	Base	90kg
MP-20752B	27W x 109L	Base	75kg
MP-201	24W x 79L	Base	27kg



TOGGLE CLAMP OVER CENTRE PULL HOOK & LOOP STEEL

- For clamping materials for wood work and metal work
- Push handle down to horizontal locked position
- Handle shown in locked position



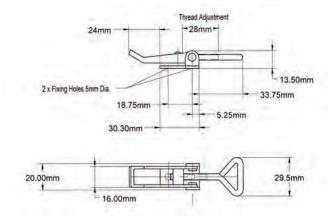
MP-40341

Code	Dimensions	Mounting	Load
MP-40341	54W x 169L	Base	900kg



SMALL NON-LOCKING STEEL & STAINLESS STEEL

• Small size non-locking toggle latches

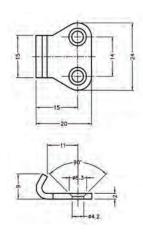


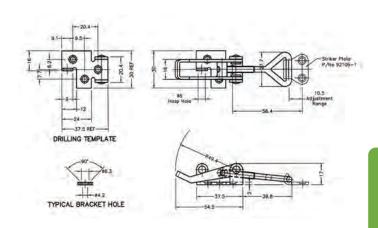
Code	Component	Material / Finish
9171	Non-locking latch	Steel / Zinc
92106-1	Hook	Steel / Zinc
9171SS	Non-locking latch	304 S/Steel
92106-1SS	Hook	304 S/Steel



SMALL PADLOCKABLE STEEL & STAINLESS STEEL

Small size padlockable toggle latches





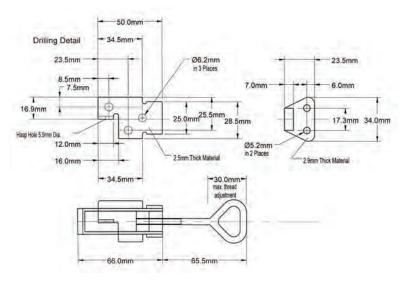
Code	Component	Material / Finish
92106	Padlockable latch	Steel / Zinc
92106-1	Hook	Steel / Zinc
92106SS	Padlockable latch	304 S/Steel
92106-1SS	Hook	304 S/Steel





MEDIUM PADLOCKABLE STEEL & STAINLESS STEEL

• Medium size padlockable toggle latches

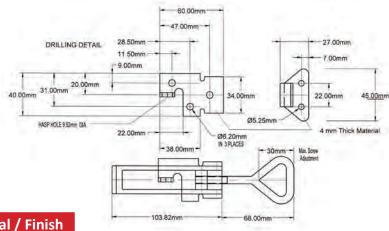


Code	Component	Material / Finish
92105	Padlockable Latch	Steel / Zinc
92105-1	Hook	Steel / Zinc
92105SS	Padlockable Latch	304 S/Steel
92105-1SS	Hook	304 S/Steel



LARGE PADLOCKABLE STEEL & STAINLESS STEEL

 Large size non-locking, padlockable and safety clip toggle latches



Code	Type / Component	Material / Finish
90703	Non-locking latch	Steel / Zinc
92104	Padlockable latch	Steel / Zinc
92104LC	Padlockable latch with safety clip	Steel / Zinc
92104-1	Hook	Steel / Zinc
92104SS	Latch	304 S/Steel
92104-1SS	Hook	304 S/Steel

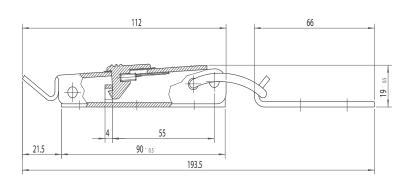


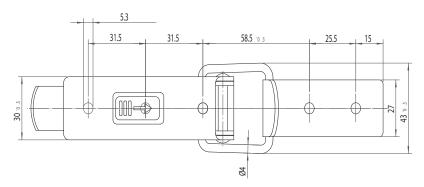


OVER CENTRE FASTENERS

LARGE SAFETY LATCHING STEEL & STAINLESS STEEL

- Safety latching
- Max safe load 2000N
- Ultimate tension 4000N



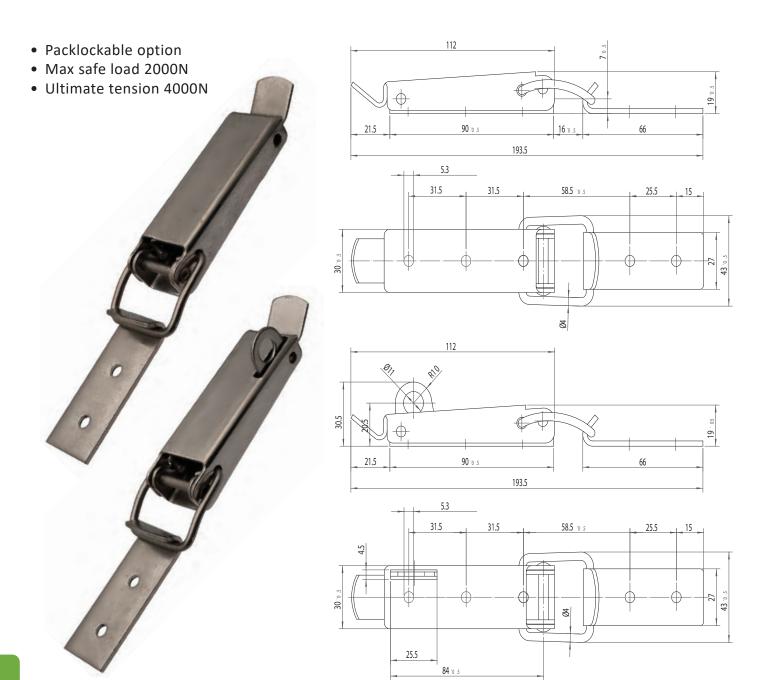




Code	Type / Component	Material / Finish
TOG-2.00.02.01/6	Safety latching	Steel / Nickel
TSP-2.00.00.01/5	Hook	Steel / Nickel
TOG-2.00.02.30/6	Safety latching	304 S/Steel
TSP-2.00.00.30/5	Hook	304 S/Steel



LARGE NON-LOCKING & PADLOCKABLE STEEL & STAINLESS STEEL

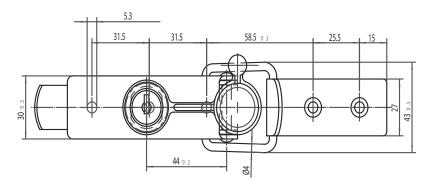


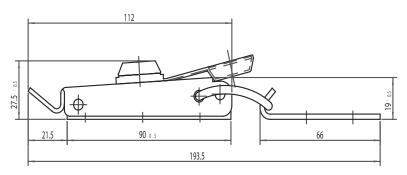
Code	Type / Component	Material / Finish
TOG-2.00.00.01/6	Non-locking latch	Steel / Nickel
TOG-2.00.01.01/6	Padlockable latch	Steel / Nickel
TSP-2.00.00.01/5	Hook	Steel / Nickel
TOG-2.00.00.30/6	Non-locking latch	304 S/Steel
TOG-2.00.01.30/6	Padlockable latch	304 S/Steel
TSP-2.00.00.30/5	Hook	304 S/Steel



LARGE KEY LOCKING STEEL & STAINLESS STEEL

- Key lockable
- Dust-cap
- Black EDP coating
- Max safe load 2000N
- Ultimate tension 4000N







Code	Material / Finish	Description
TOG-2.00.03.06/6	Steel / EPDM Black	Toggle latch
TSP-2.00.00.06/5	Steel / EPDM Black	Strike



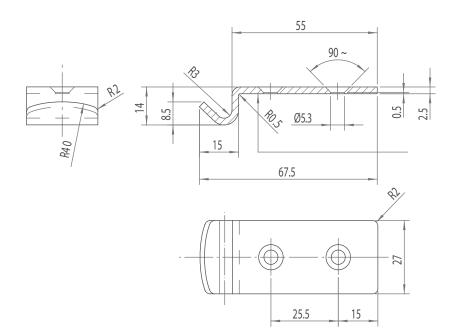
OVER CENTRE FASTENERS

LARGE ALTERNATIVE HOOKS STEEL & STAINLESS STEEL

• Alternative hook options

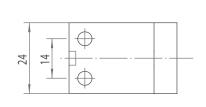


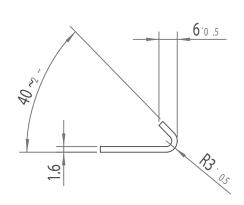
TSP-CL709-##





TSP-TL600-5



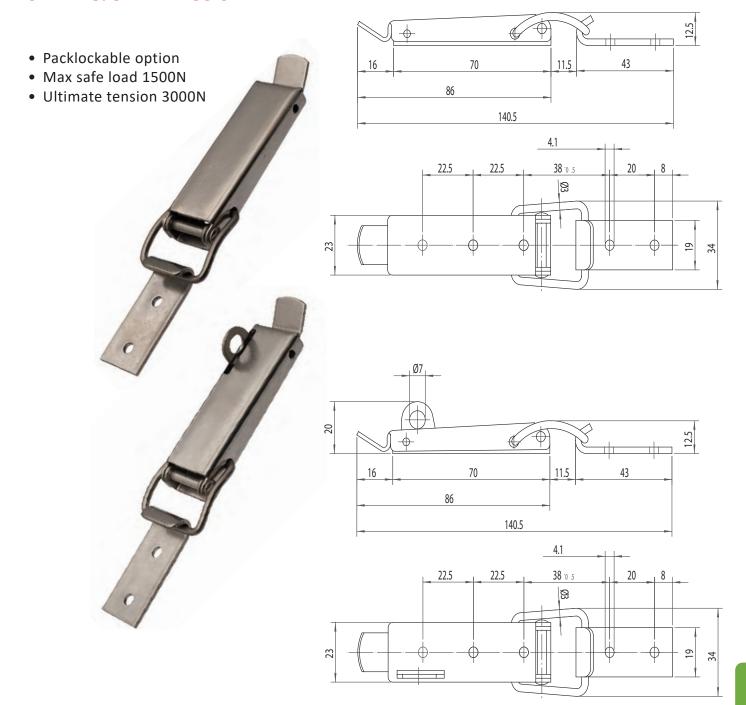


Code	Type / Component	Material / Finish
TSP-CL709-01	Hook	Steel / Nickel
TSP-TL600-5	Hook	Steel / Nickel
TSP-CL709-30	Hook	304 S/Steel



OVER CENTRE FASTENERS

MEDIUM NON-LOCKING & PADLOCKABLE STEEL & STAINLESS STEEL

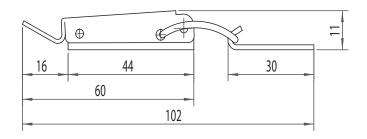


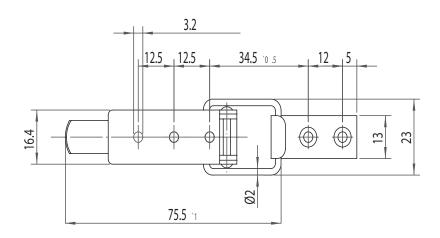
Code	Type / Component	Material / Finish
TOG-2.01.00.01/6	Non-locking latch	Steel / Nickel
TOG-2.01.01.01/6	Padlockable latch	Steel / Nickel
TSP-2.01.00.01/5	Hook	Steel / Nickel
TOG-2.01.00.30/6	Non-locking latch	304 S/Steel
TOG-2.01.01.30/6	Padlockable latch	304 S/Steel
TSP-2.01.00.30/5	Hook	304 S/Steel



SMALL NON-LOCKING STEEL & STAINLESS STEEL

- No padlock hoop
- Max safe load 550N
- Ultimate tension 1300N







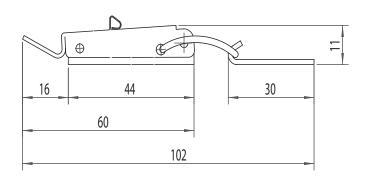
Code	Material / Finish	Component
TOG-2.03.00.01/6	Steel / Nickel	Latch
TSP-2.03.00.01/5	Steel / Nickel	Hook
TOG-2.03.00.30/6	304 S/Steel	Latch
TSP-2.03.00.30/5	304 S/Steel	Hook

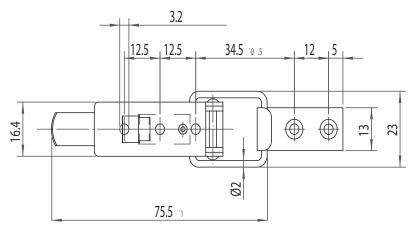


OVER CENTRE FASTENERS

SMALL SAFETY LATCHING STEEL & STAINLESS STEEL

- Pull up ability
- Secondary latch
- Max safe load 550N
- Ultimate tension 1300N







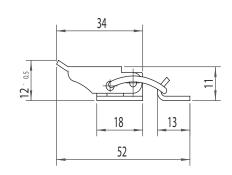
Code	Material / Finish	Component
TOG-2.03.02.04/6	Steel / Nickel	Latch
TSP-2.03.00.01/5	Steel / Nickel	Hook
TOG-2.03.02.30/6	304 S/Steel	Latch
TSP-2.03.00.30/5	304 S/Steel	Hook

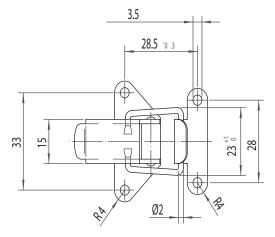




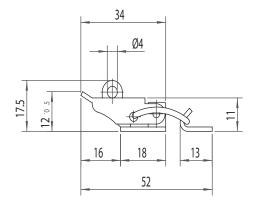
SMALL NON-LOCKING & PADLOCKABLE STEEL & STAINLESS STEEL

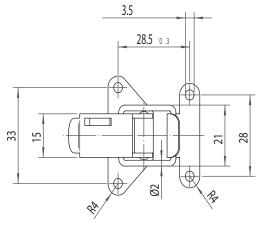
- Non-locking and padlockable
- Max safe load 550N
- Ultimate tension 1500N











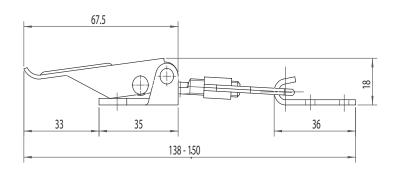


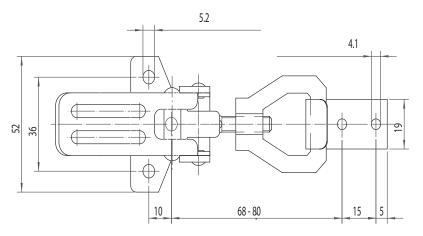
Code	Type / Component	Material / Finish
TOG-2.04.00.01/6	Non-locking latch	Steel / Nickel
TOG-2.04.01.01/6	Padlockable latch	Steel / Nickel
TSP-2.04.00.01/5	Hook	Steel / Nickel
TOG-2.04.00.30/6	Non-locking latch	304 S/Steel
TSP-2.04.00.30/5	Hook	304 S/Steel



SMALL NON-LOCKING STEEL & STAINLESS STEEL

- Adjustable fastening length
- Max safe load 1100N
- Ultimate tension 2500N





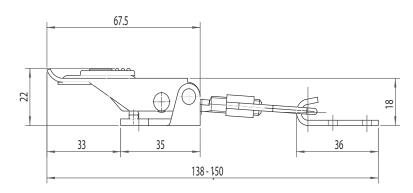


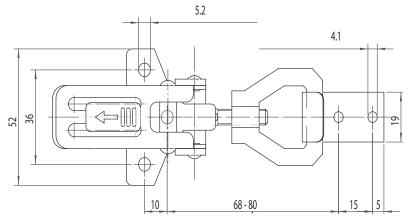
Code	Material / Finish	Component
TOG-2.05.00.01/6	Steel / Nickel	Latch
TSP-2.05.00.01/5	Steel / Nickel	Hook
TOG-2.05.00.30/6	304 S/Steel	Latch
TSP-2.05.00.30/5	304 S/Steel	Hook



SMALL SAFETY LATCHING STEEL & STAINLESS STEEL

- Adjustable fastening length
- Slide latch button
- Max safe load 1100N
- Ultimate tension 2500N







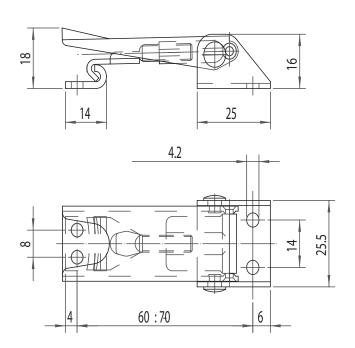
Code	Material / Finish	Component
TOG-2.05.02.01/6	Steel / Nickel	Latch
TSP-2.05.00.01/5	Steel / Nickel	Hook
TOG-2.05.02.30/6	304 S/Steel	Latch
TSP-2.05.00.30/5	304 S/Steel	Hook

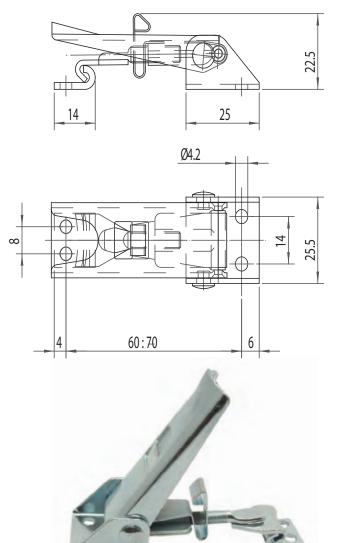


OVER CENTRE FASTENERS

SMALL NON-LOCKING & SAFETY LATCHING STEEL & STAINLESS STEEL

- Adjustable fastening length
- Max safe load 1000N
- Ultimate tension 1400N





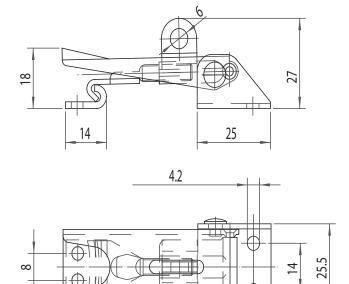


Code	Type / Component	Material / Finish
TOG-2.41.00.04/6	Non-locking latch	Steel / Nickel
TOG-2.41.02.04/6	Saftey latching	Steel / Nickel
TSP-2.41.00.04/5	Hook	Steel / Nickel
TOG-2.41.00.30/6	Non-locking latch	304 S/Steel
TOG-2.41.02.30/6	Safety latching	304 S/Steel
TSP-2.41.00.30/5	Hook	304 S/Steel



SMALL PADLOCKABLE STEEL & STAINLESS STEEL

- Adjustable fastening length
- Max safe load 1000N
- Ultimate tension 1400N





60:70

6

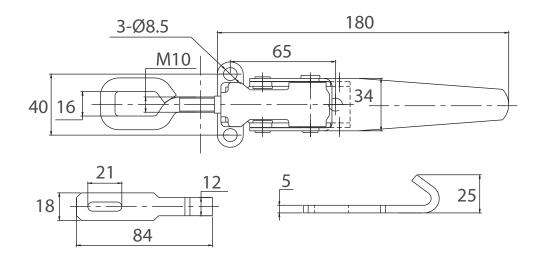
Code	Type / Component	Material / Finish
TOG-2.41.01.04/6	Padlockable latch	Steel / Nickel
TSP-2.41.00.04/5	Hook	Steel / Nickel
TOG-2.41.01.30/6	Padlockable latch	304 S/Steel
TSP-2.41.00.30/5	Hook	304 S/Steel



OVER CENTRE FASTENERS

EXTRA LARGE NON-LOCKING HEAVY DUTY STEEL & STAINLESS STEEL

• Steel Zinc plated or 304 stainless steel





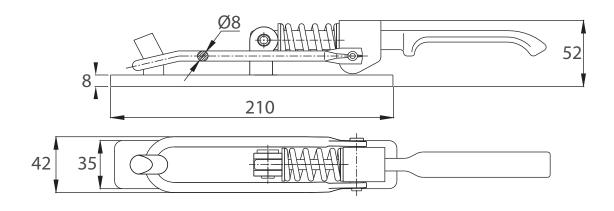
Code	Type / Component	Material / Finish
147050	Latch	Steel / Zinc
147054	Hook	Steel / Zinc
147050S	Latch	304 S/Steel
147054S	Hook	304 S/Steel



EXTRA LARGE NON-LOCKING HEAVY DUTY STEEL

- Steel galvanised
- Hook mounting plate needs to be cut to suit installation distance across door edge





Code	Type / Component	Material / Finish	
022800	Latch and hook	Steel / Galv	



15	DRAWER SLIDES	Pages
	45mm, 200-600mm Standard Steel Drawer Slides	2
	45mm, 300-600mm Standard Stainless Steel Drawer Slides	3
	45mm, 300-550mm Soft Close Steel Drawer Slides	4 - 5
	53mm, 350-1000mm Steel Drawer Slides: With / Without Lock	6
	76mm, 400-1850mm Steel Drawer Slides: With / Without Lock	7 - 8

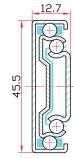
15 DRAWER SLIDES



DRAWER SLIDES

DRAWER SLIDES

45mm STANDARD STEEL



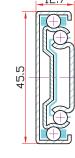


- Full extension drawer slides
- See max load rating per pair in table below
- Quick disassembly lever for easy installation
- Suitable for desk, kitchen cabinet, storage cabinet, display cabinet drawers
- Hardened cold rolled steel plate
- Sold as a pair

Code	Length Closed (mm)	Length Open (mm)	Max Load Per Drawer	Material / Finish
45SD-01-200	200	400	25kg	Steel / Zinc
45SD-01-250	250	500	30kg	Steel / Zinc
45SD-01-300	300	600	35kg	Steel / Zinc
45SD-01-350	350	700	40kg	Steel / Zinc
45SD-01-400	400	800	46kg	Steel / Zinc
45SD-01-450	450	900	46kg	Steel / Zinc
45SD-01-500	500	1000	46kg	Steel / Zinc
45SD-01-550	550	1100	43kg	Steel / Zinc
45SD-01-600	600	1200	40kg	Steel / Zinc



45mm STANDARD STAINLESS STEEL





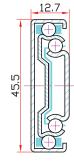
- Full extension drawer slides
- See max load rating per pair in table below
- Quick disassembly lever for easy installation
- Suitable for fridge, cold storage, kitchen cabinet, display cabinet drawers
- 201 Stainless steel
- Sold as a pair

Code	Length Closed (mm)	Length Open (mm)	Max Load Per Drawer	Material / Finish
45SSD-01-300	300	600	35kg	201 S/steel
45SSD-01-400	400	800	46kg	201 S/steel
45SSD-01-500	500	1000	46kg	201 S/steel
45SSD-01-600	600	1200	40kg	201 S/steel



DRAWER SLIDES

45mm SOFT CLOSE STEEL





- Soft close full extension drawer slides
- See max load rating per pair in table below
- Quick disassembly lever for easy installation
- Suitable for desk, kitchen cabinet, storage cabinet, display cabinet drawers
- Hardened cold rolled steel plate
- Sold as a pair

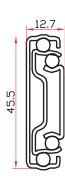
Code	Length Closed (mm)	Length Open (mm)	Max Load Per Drawer	Material / Finish
45ST-04-350	350	700	40kg	Steel / Zinc
45ST-04-400	400	800	46kg	Steel / Zinc
45ST-04-450	450	900	46kg	Steel / Zinc
45ST-04-500	500	1000	46kg	Steel / Zinc
45ST-04-550	550	1100	43kg	Steel / Zinc



DRAWER SLIDES

45mm QUIET SELF CLOSE STEEL





- Quiet self closing drawer slides
- Quick disassembly lever for easy installation
- Suitable for desk, kitchen cabinet, storage cabinet, display cabinet drawers
- Hardened cold rolled steel plate
- Sold as a pair

Code	Length Closed (mm)	Length Open (mm)	Max Load Per Drawer	Material / Finish
3M51-300	300	600	27kg	Steel / Zinc
3M51-400	400	800	40kg	Steel / Zinc
3M51-450	450	900	45kg	Steel / Zinc
3M51-500	500	1000	45kg	Steel / Zinc

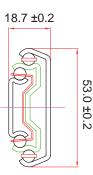


DRAWER SLIDES

53mm MEDIUM DUTY NON-LOCKING & LOCKING

STEEL





- Full extension heavy duty drawer slides
- See max load rating per pair in table below
- Available as standard free moving or locking (locks in retracted and extended position
- Quick disassembly for easy installation (locking models only)
- Suitable for vehicle, toolbox, industrial cabinet, ATM drawers
- Hardened cold rolled steel plate
- Sold as a pair.

Free / Length Length **Max Load** Material / Code Locking Closed (mm) Open (mm) **Per Drawer** Finish 3053-350 350 700 Free 125kg Steel / Zinc 3053-350-L 350 700 125kg Steel / Zinc Locking 3053-400 125kg Steel / Zinc Free 400 800 3053-400-L 400 125kg Steel / Zinc Locking 800 3053-450 Free 450 900 125kg Steel / Zinc 3053-450-L Locking 450 900 125kg Steel / Zinc 3053-500 Free 500 1000 125kg Steel / Zinc 3053-500-L 500 1000 Steel / Zinc Locking 125kg 3053-550-L Locking 550 1100 125kg Steel / Zinc 3053-600 600 Free 1200 95kg Steel / Zinc 3053-600-L Locking 600 1200 95kg Steel / Zinc 3053-700 Free 700 1400 90kg Steel / Zinc 3053-700-L 700 1400 90kg Steel / Zinc Locking 3053-750 Free 750 1500 85kg Steel / Zinc 3053-750-L 750 1500 85kg Steel / Zinc Locking 3053-800 Free 800 1600 80kg Steel / Zinc 3053-800-L Locking 800 1600 80kg Steel / Zinc 3053-900 Free 900 1800 70kg Steel / Zinc 1800 70kg Steel / Zinc 3053-900-L Locking 900 3053-1000 Steel / Zinc Free 1000 2000 60kg 1000 Steel / Zinc 3053-1000-L Locking 2000 60kg

3053-XXX-L Locking Mechanism









76mm HEAVY DUTY
NON-LOCKING & LOCKING

STEEL



19.3 ±0.2

- Full extension extra heavy duty drawer slides
- See max load rating per pair in table below
- Available as standard free moving or locking (locks in retracted and extended positions)
- Suitable for vehicle, toolbox, industrial cabinet, ATM drawers
- Hardened cold rolled steel plate
- Sold as a pair

Code	Free / Locking	Length Closed (mm)	Length Open (mm)	Max Load Per Drawer	Material / Finish
3076-400-L	Locking	400	800	230kg	Steel / Zinc
3076-450	Free	450	900	230kg	Steel / Zinc
3076-450-L	Locking	450	900	230kg	Steel / Zinc
3076-500	Free	500	1000	230kg	Steel / Zinc
3076-500-L	Locking	500	1000	230kg	Steel / Zinc
3076-550	Free	550	1100	220kg	Steel / Zinc
3076-550-L	Locking	550	1100	220kg	Steel / Zinc
3076-600	Free	600	1200	213kg	Steel / Zinc
3076-600-L	Locking	600	1200	213kg	Steel / Zinc
3076-700	Free	700	1400	199kg	Steel / Zinc
3076-700-L	Locking	700	1400	199kg	Steel / Zinc
3076-750	Free	750	1500	192kg	Steel / Zinc
3076-750-L	Locking	750	1500	192kg	Steel / Zinc
3076-800	Free	800	1600	185kg	Steel / Zinc
3076-800-L	Locking	800	1600	185kg	Steel / Zinc
3076-900	Free	900	1800	171kg	Steel / Zinc
3076-900-L	Locking	900	1800	171kg	Steel / Zinc
Continued	next page				

3076-XXX-L Locking Mechanism









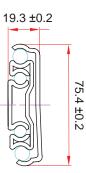


DRAWER SLIDES

76mm HEAVY DUTY
NON-LOCKING & LOCKING







- Full extension extra heavy duty drawer slides
- See max load rating per pair in table below
- Available as standard free moving or locking (locks in retracted and extended positions)
- Suitable for vehicle, toolbox, industrial cabinet, ATM drawers
- Hardened cold rolled steel plate
- Sold as a pair

Code	Free / Locking	Length Closed (mm)	Length Open (mm)	Max Load Per Drawer	Material / Finish
Continued f	rom previo	us page			
3076-1000	Free	1000	2000	157kg	Steel / Zinc
3076-1000-L	Locking	1000	2000	157kg	Steel / Zinc
3076-1200	Free	1200	2400	129kg	Steel / Zinc
3076-1200-L	Locking	1200	2400	129kg	Steel / Zinc
3076-1400-L	Locking	1400	2800	90kg	Steel / Zinc
3076-1500	Free	1500	3000	70kg	Steel / Zinc
3076-1500-L	Locking	1500	3000	70kg	Steel / Zinc
3076-1800-L	Locking	1800	3600	50kg	Steel / Zinc
3076-1850	Free	1850	3700	45kg	Steel / Zinc
3076-1850-L	Locking	1850	3700	45kg	Steel / Zinc

3076-XXX-L Locking Mechanism











16	DISPLAY CABINET HARDWARE	Pages
	Cam Locks	2 - 3
	High Security Locks For Hinged Doors	4
	Locks For Hinged Doors	5 - 9
	Locks For Drawers	9 - 10
	Locks For Filing Cabinets	11 - 12
	High Security Locks For Sliding Doors	13
	Locks For Sliding Doors	13 - 18
	Track / Rail Components For Sliding Doors	19 - 20
	Flush Locks For Lockers	21 - 22
	Glass Door Knob Locks	23 - 29
	Hinges For Cabinets	30 - 31
	Shelf Supports & Standoffs	32 - 34



DISPLAY CABINET HARDWARECAM LOCKS

We have many different cam lock options available - see Section 9 Cam Locks.



Non-locking Wing knob



Camlock Cylinder lock (blade type key)



Camlock
Combination / High security tubular key



Camlock High security Finland key

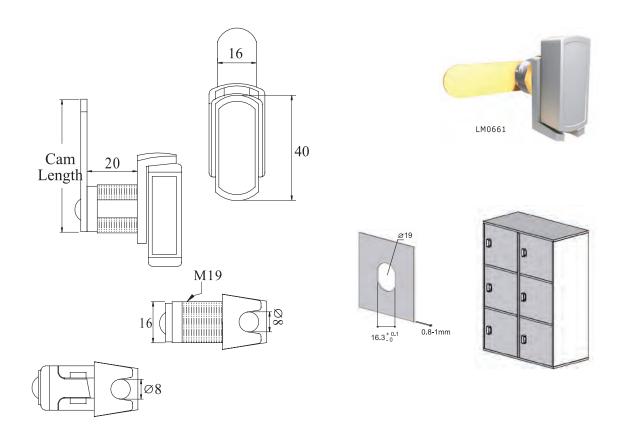


Camlock Slam lock High security tubular key



DISPLAY CABINET HARDWARE

PADLOCKABLE CAM LOCK FOR LOCKER DOORS STEEL ZINC







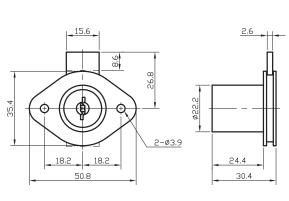
Code	Description
LM0661.20.F.06.FL	Complete lock



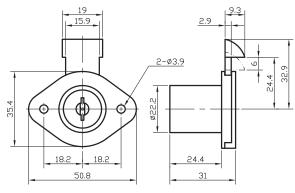
DISPLAY CABINET HARDWARE

PAGODA KEY HIGH SECURITY LOCKS FOR HINGED DOORS









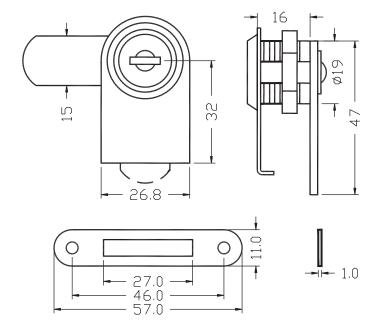
Code	Description	Hole Dia (mm)	Кеу Туре
1772-KA	Sliding cam	23	Keyed Alike
1773-KA	Spring loaded slam snib	23	Keyed Alike

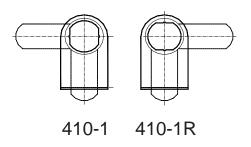


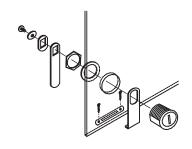
DISPLAY CABINET HARDWARE

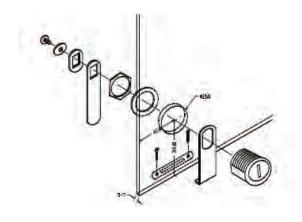
HINGED GLASS DOOR LOCK











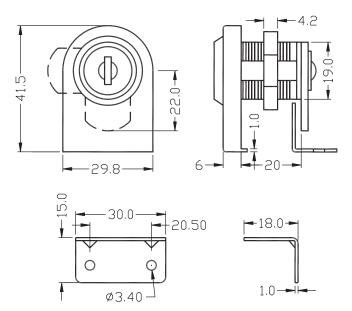
Code	Description	Glass Thickness (mm)	Handedness	Key Number
C410-1L	Glass door lock	5-7	Left	KA120
C410-1R	Glass door lock	5-7	Right	KA120



DISPLAY CABINET HARDWARE

HINGED GLASS DOOR LOCK





Code	Description	Key Number
C410-4-KA120	Glass door lock	KA120

DOOR / DRAWER LOCK ACCESSORY STRIKE PLATE



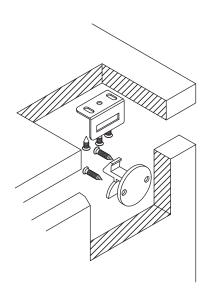
Code	Description
A0007(DS-02-8N)	L Type Strike Plate
A0007AH(DS-02/18)	L Type Strike Plate

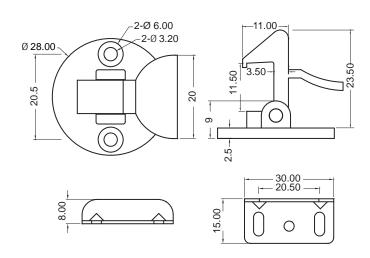


DISPLAY CABINET HARDWARE

DOUBLE WOOD DOORS INTERNAL AUTOMATIC HOOK LATCH FOR SECOND DOOR







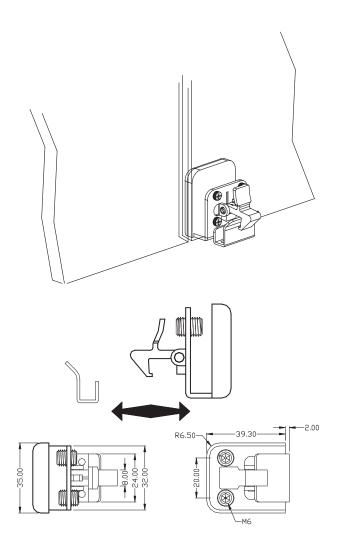
Code	Description	Material / Finish
AL-02-N	Internal hook latch for second door	Zinc / Chrome



DISPLAY CABINET HARDWARE

DOUBLE GLASS DOORS INTERNAL AUTOMATIC HOOK LATCH FOR SECOND DOOR





Code	Description	Material / Finish
AL-03-N	Internal hook latch for second door	Zinc / Chrome



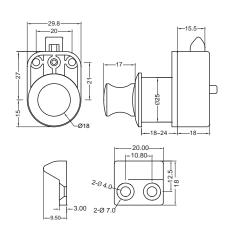
DOOR / DRAWER SLAM LATCHES MOTORHOME / CARAVAN / BOAT TYPE



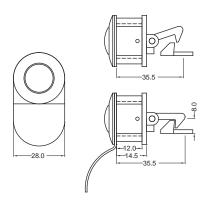
5100-## Showing Matt Nickel



5100-SQ-## Showing Chrome







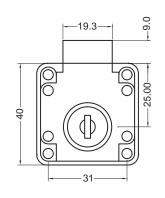
Code	Description	Material / Finish	Door Cut-Out (mm)
5100-MN	Round push knob slam latch	Plastic / Matt Nickel	26Dia x 18-24 Thick
5100-CH	Round push knob slam latch	Plastic / Nickel (Shiny)	26Dia x 18-24 Thick
5100-SQ-MN	Square push knob slam latch	Plastic / Matt Nickel	26Dia x 18-24 Thick
5100-SQ-CH	Square push knob slam latch	Plastic / Nickel (Shiny)	26Dia x 18-24 Thick
MN5100Z-15-V	Round push knob slam latch with hook	Plastic / Matt Nickel	(Contact us) x 13-18
N5100Z-15-V	Round push knob slam latch with hook	Plastic / Nickel (Shiny)	(Contact us) x 13-18

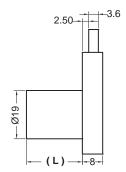


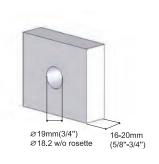
DISPLAY CABINET HARDWARE

DRAWER LOCK STEEL CHROME

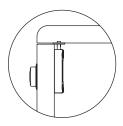


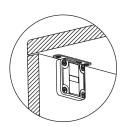










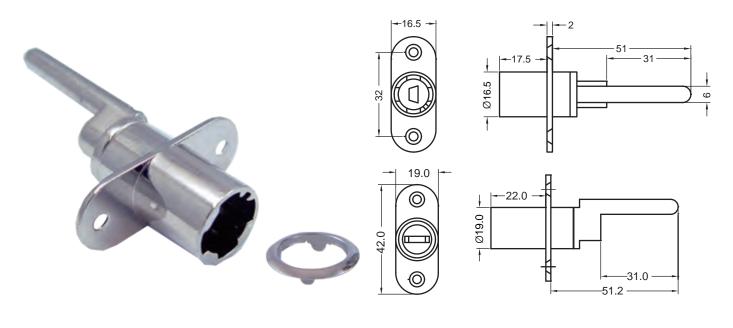


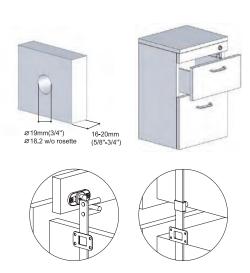
Code	Description	L (mm)	Кеу Туре
N507-11	Complete Lock	22	KA120 (Keyed Alike)
N507-30	Complete Lock	30	KA120 (Keyed Alike)
N8100-22	Housing Only	22	Use N7000 or N8000
N8100-26	Housing Only	26	Use N7000 or N8000
N7000	Key Barrel and Keys Only		7 Series (Keyed Alike Sets / Keyed Differ)
N8000	Key Barrel and Keys Only		8 Series (Keyed Alike Sets / Keyed Differ)
KEY-M-K5-MO4	N7000 Series Master Key		
KEY-M-K2-MO4	N8000 Series Master Key		



DISPLAY CABINET HARDWARE

FILING CABINET DRAWER LOCK



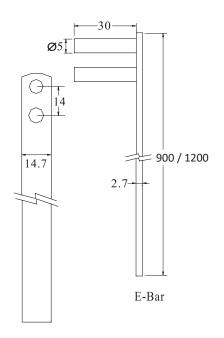


Code	Description	L (mm)	Кеу Туре
N8400/19	Housing Only	22	Use N7000 or N8000
N7000	Key Barrel and Keys Only		7 Series (Keyed Alike Sets / Keyed Differ)

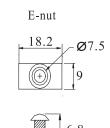


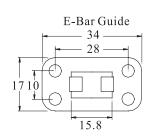
FILING CABINET DRAWER LOCKING RODS











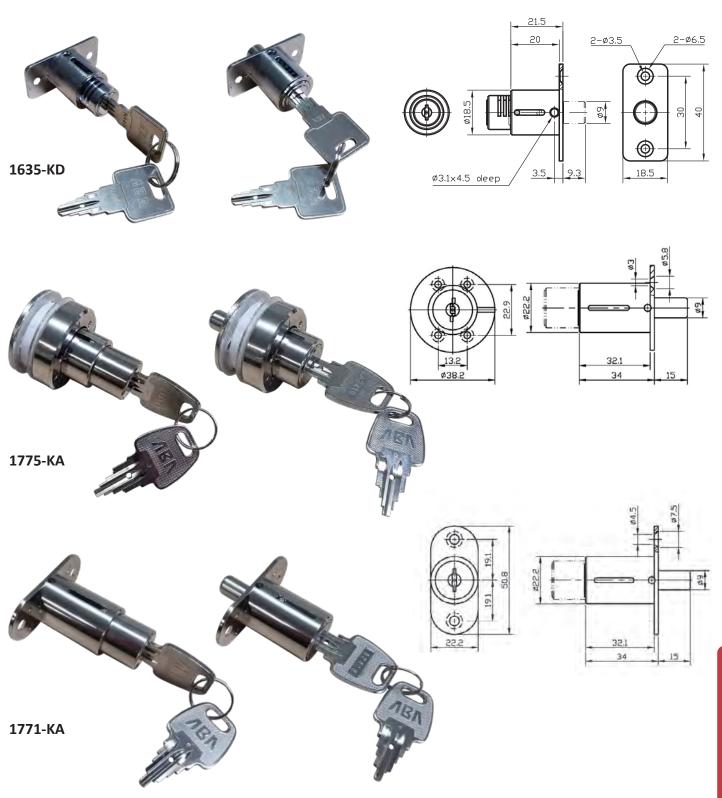


Code	Description	L (mm)	Material
BRE01200801-A	1200mm locking rod, 3x pegs	8	Aluminium, Zinc, Steel
BRE0900801-A	900mm locking rod, 3x pegs	8	Aluminium, Zinc, Steel



DISPLAY CABINET HARDWARE

PAGODA KEY HIGH SECURITY LOCKS PUSH LOCKS FOR SLIDING DOORS

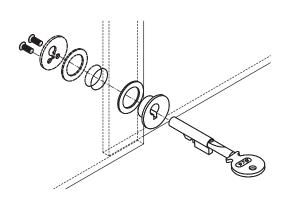


Code	Description	Hole Dia (mm)	Key Removal	Кеу Туре
1635-KD	Plunger push lock	19	In locked position only	Keyed To Differ
1775-KS	Plunger push lock	23	In locked position only	Keyed Alike
1771-KA	Plunger push lock	23	In locked position only	Keyed Alike

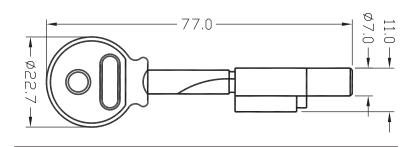


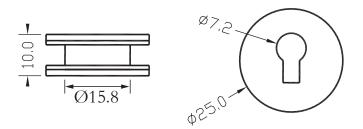
DISPLAY CABINET HARDWARE

SLIDING GLASS DOUBLE DOORS PUSH LOCK







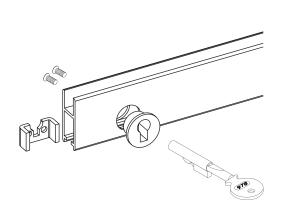


Code	Description	Key Number
C409-KA902	Glass door lock	KA902
C409-KA903	Glass door lock	KA903

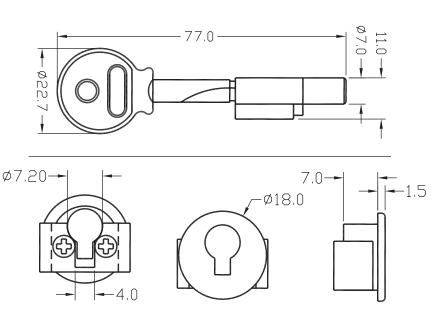


DISPLAY CABINET HARDWARE

SLIDING GLASS DOOR RAIL LOCK







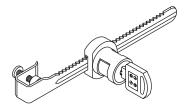
Code	Description	Key Number
C409H-KA902	Glass door lock	KA902

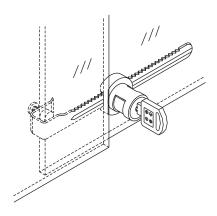


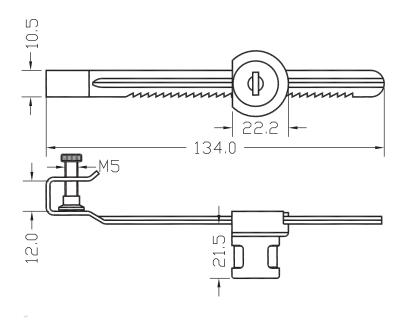
DISPLAY CABINET HARDWARE

SLIDING GLASS DOUBLE DOORS RATCHET LOCK NO HOLE REQUIRED IN DOOR







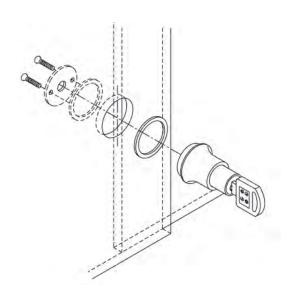


Code	Description	Key Number
C470T-KA610	Glass door lock	KA902
C470T-KD	Glass door lock	Keyed to differ

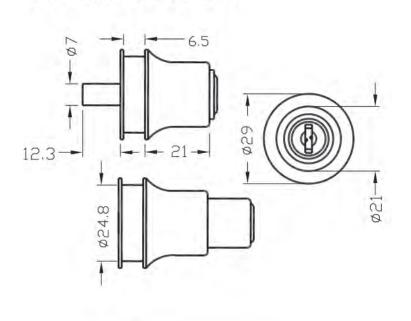


DISPLAY CABINET HARDWARE

SLIDING GLASS DOUBLE DOORS PUSH LOCK





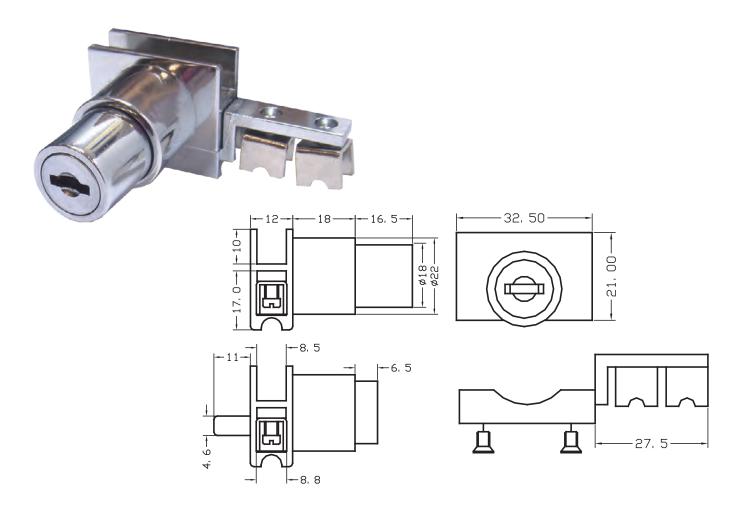


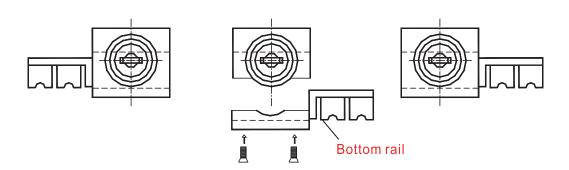
Code	Description	Glass Thickness (mm)	Key Number
C419-KA120	Glass door lock	5-6	KA120



DISPLAY CABINET HARDWARE

SLIDING GLASS DOOR PUSH LOCK FOR RAIL



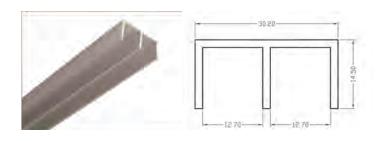


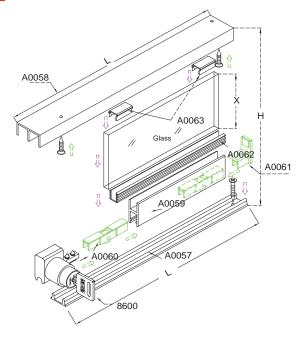
Code	Description	Glass Thickness (mm)	Key Number
C461	Glass door lock to fit A0059-461 rail	5-6	KA902

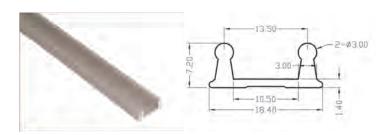


DISPLAY CABINET HARDWARE

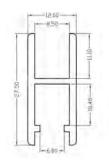
SLIDING GLASS DOOR TRACK COMPONENTS

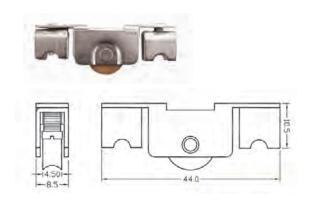










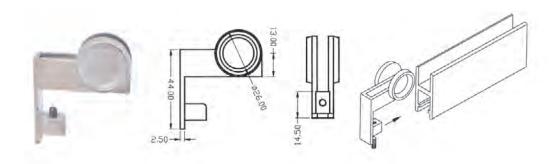


Code	Description	Material / Finish
A0058/2M	2M Top track	Aluminium / Grey
A0057/2M	2M Bottom track	Aluminium / Grey
A0059/2M	2M Glass rail	Aluminium / Grey
A0060B-461	Roller	Brass

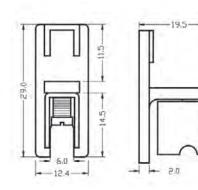


DISPLAY CABINET HARDWARE

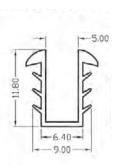
SLIDING GLASS DOOR TRACK COMPONENTS



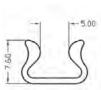










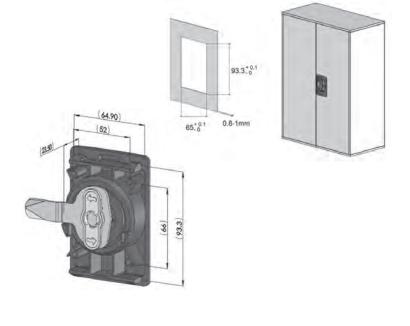


Code	Description	Material / Finish
A0061HMC	End cap with finger grip	Steel / Chrome
A0061MC	End cap	Steel / Chrome
A0062	Spline	Rubber
A0063	Silencer	Plastic

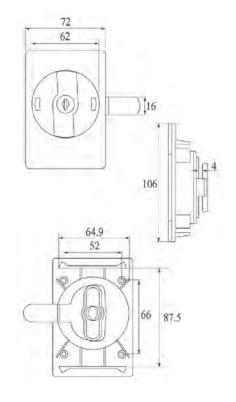


DISPLAY CABINET HARDWARE

LOCKER DOOR KEY LOCK PLASTIC





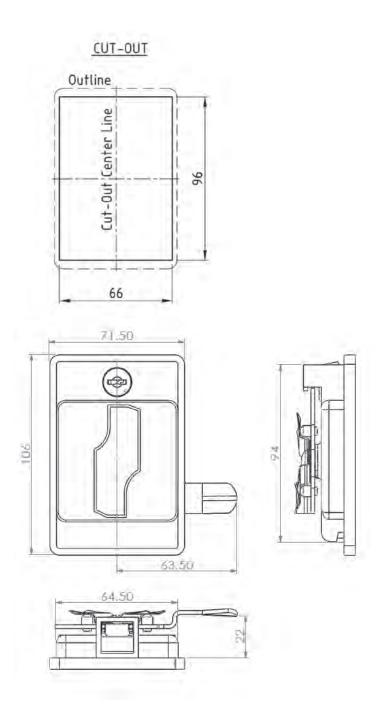


Code	Description	H-Dimension (Grip)	Key Number
LM0547.23.B.00.ZZ	Plastic flush lock	23	Keyed to differ
LM0547.23.B.00.ZZ-01	Plastic flush lock	23	0001 (Keyed alike)



LOCKER DOOR KEY LOCK STEEL





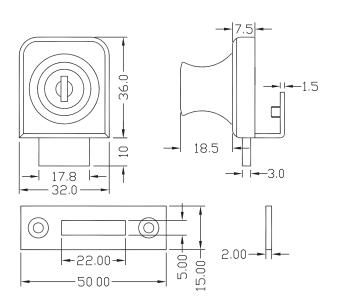
Code	Description	Cam H-Dimension	Handedness
ALFL04	Metal flush lock	22mm	LH
ALFR04	Metal flush lock	22mm	RH



DISPLAY CABINET HARDWARE

HINGED GLASS DOOR KNOB LOCK NO HOLE REQUIRED IN DOOR



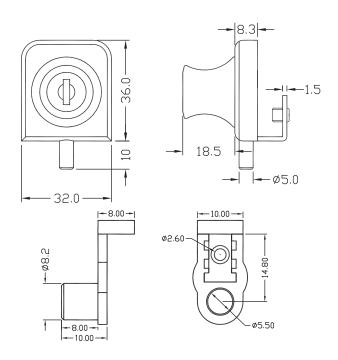


Code	Description	Glass thickness (mm)	Key Number
C407/5	Glass knob lock	5-6	KA120
C407/8	Glass knob lock	8	KA120
C407/12	Glass knob lock	12	KA120



HINGED GLASS DOOR KNOB LOCK NO HOLE REQUIRED IN DOOR





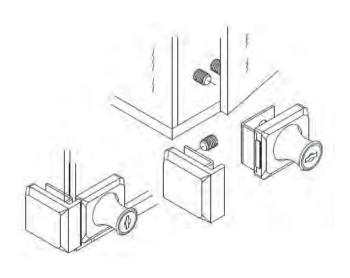
Code	Description	Glass thickness (mm)	Key Number
C407/2-5	Glass knob lock	5-6	KA120

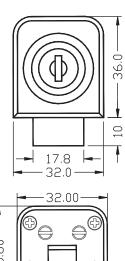


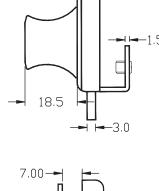
DISPLAY CABINET HARDWARE

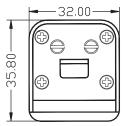
HINGED GLASS DOOR KNOB LOCK NO HOLE REQUIRED IN DOOR

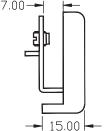










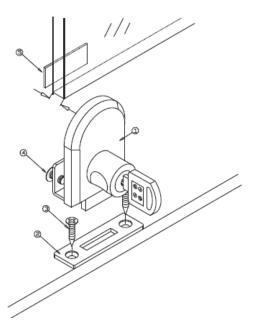


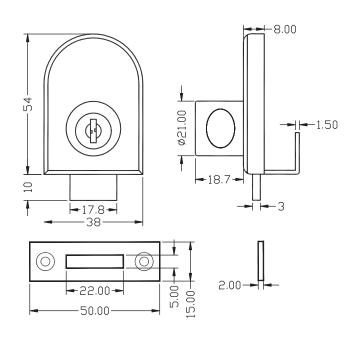
Code	Description	Glass thickness (mm)	Key Number
C407/3-5	Glass knob lock	5-6	KA120



HINGED GLASS DOOR KNOB LOCK NO HOLE REQUIRED IN DOOR







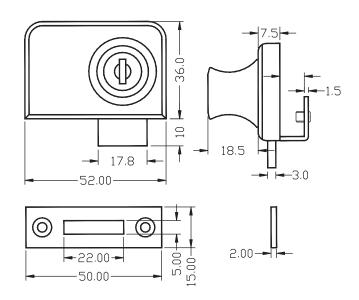
Code	Description	Glass thickness (mm)	Key Number
C408/5	Glass knob lock	5-6	KA120
C408/8	Glass knob lock	8	KA120
C408/12	Glass knob lock	12	KA120



DISPLAY CABINET HARDWARE

HINGED GLASS DOUBLE DOORS KNOB LOCK NO HOLE REQUIRED IN DOOR





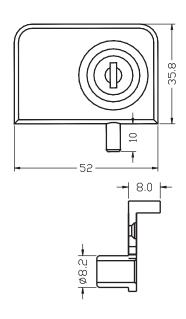
Code	Description	Glass thickness (mm)	Key Number
C417/5	Double door glass knob lock	5-6	KA120
C417/8	Glass knob lock	8	KA120
C417/12	Glass knob lock	12	KA120

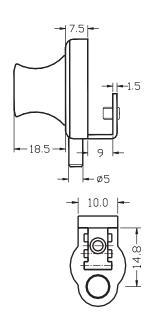


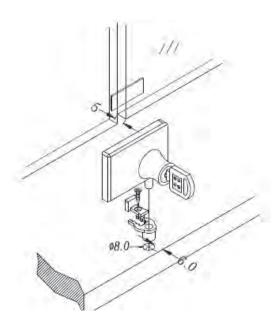
DISPLAY CABINET HARDWARE

HINGED GLASS DOUBLE DOOR KNOB LOCK NO HOLE REQUIRED IN DOOR









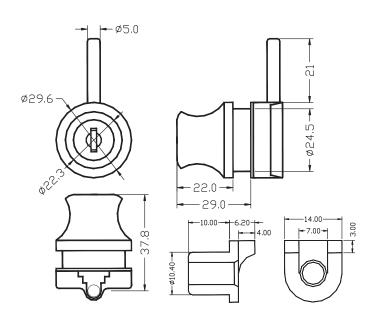
Code	Description	Glass Thickness (mm)	Key Number
C417-2/5	Glass knob lock	5-6	KA120

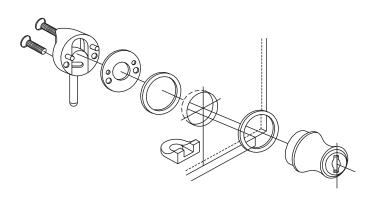


DISPLAY CABINET HARDWARE

HINGED GLASS DOOR LOCK





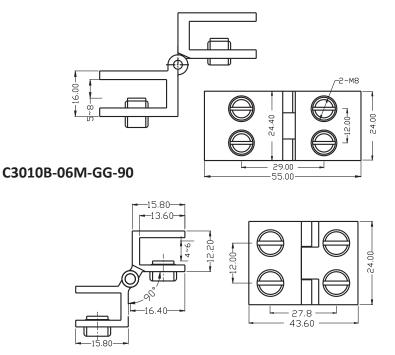


Code	Description	Glass Thickness (mm)	Key Number
C420-KA120	Glass door lock	5-6	KA120
C420-10-KA120	Glass door lock	8-10	KA120
C420-KD	Glass door lock	5-6	Keyed to differ



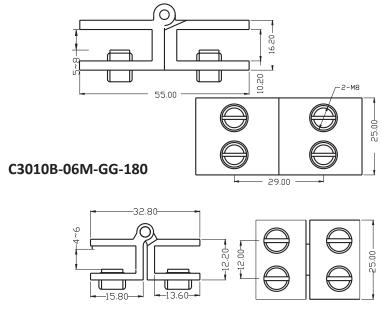
HINGED GLASS DOOR DOOR HINGE GLASS TO GLASS NO HOLE REQUIRED IN DOOR





C3010B-06S-GG-90





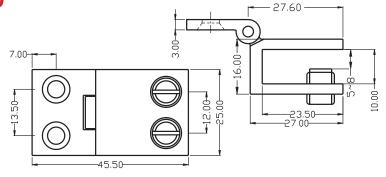
C3010B-06S-GG-180

Code	Description	Material / Finish
C3010B-06S-GG-90	90° Hinge for 4-6mm glass, 6kg total	Brass / Chrome
C3010B-06M-GG-90	90° Hinge for 5-8mm glass, 8kg total	Brass / Chrome
C3010B-06S-GG-180	180° Hinge for 4-6mm glass, 6kg total	Brass / Chrome
C3010B-06M-GG-180	180° Hinge for 5-8mm glass, 8kg total	Brass / Chrome

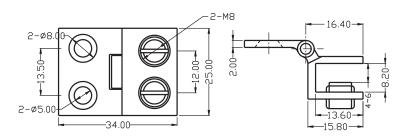


HINGED GLASS DOOR DOOR HINGE GLASS TO WOOD NO HOLE REQUIRED IN DOOR





C3010B-06M-GW-90

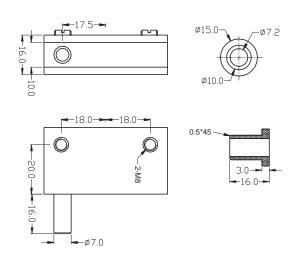


C3010B-06S-GW-90

Code	Description	Material / Finish
C3010B-06S-GW-90	90° Hinge for 4-6mm glass, 6kg total	Brass / Chrome
C3010B-06M-GW-90	90° Hinge for 5-8mm glass, 8kg total	Brass / Chrome

HINGED GLASS DOOR DOOR HINGE PIN MOUNT NO HOLE REQUIRED IN DOOR





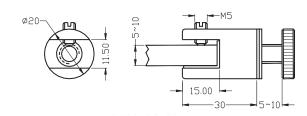
Code	Description	Material / Finish
C3010B-09-L/SCREWS	Hinge for 6-8mm glass, 10kg total	Brass / Chrome



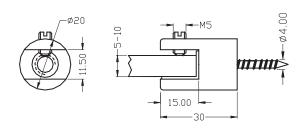
DISPLAY CABINET HARDWARE

GLASS CABINET SHELF CONNECTORS GLASS TO GLASS & GLASS TO WOOD

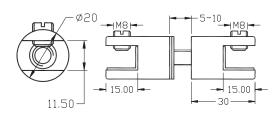




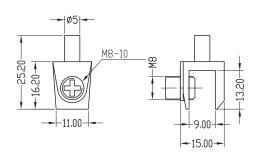












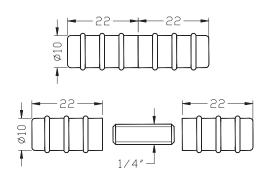
Code	Description	Material / Finish
C3230S-01	5-10mm glass shelf to glass wall	Steel / Chrome
C3230S-02	5-10mm glass shelf to wood wall	Steel / Chrome
C3230S-03	5-10mm glass shelf to glass shelf	Steel / Chrome
C3230Z-06	5-8mm glass shelf to wood wall	Zinc / Chrome



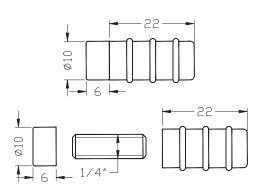
DISPLAY CABINET HARDWARE

GLASS CABINET SHELF SUPPORTS FOR GLASS WALL





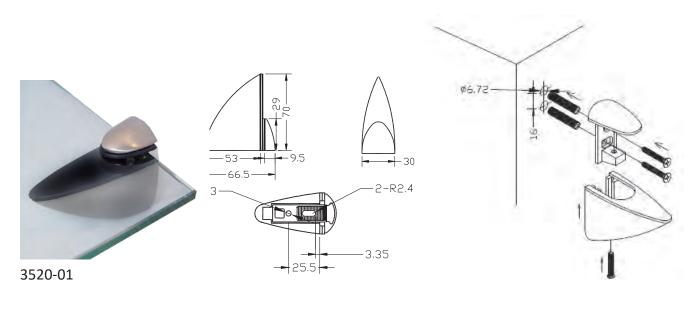




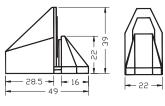
Code	Description	Material / Finish
3230-04	Glass shelf support with rubber cushion	Steel / Chrome
3230-05	Glass shelf support with rubber cushion	Steel / Chrome

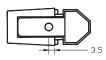


GLASS CABINET SHELF SUPPORTS FOR WOOD WALLS



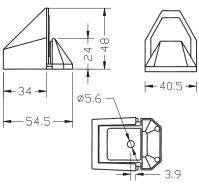






3520-02





3520-03

Code Description		Material / Finish
Code	Description	Material / Fillish
3520-01	4-12mm glass shelf support	Zinc / Chrome
3520-02	4-12mm glass shelf support	Zinc / Chrome
3520-03	4-12mm glass shelf support	Zinc / Chrome



7	FASTENERS	Pages
	Rivet Nuts	2 - 3
	Clinch Fasteners: Studs, Pins, Standoffs, Nuts, Kalei, Lock Nuts, Flush Nuts	4 - 7
	Rivet Bushes (Dunk Nuts / Hank Bushes)	7
	Captive Panel Fasteners	8
	Weld Studs	8
	Threaded Rod	9
	Screws / Bolts: Hex, Socket, Counter Sunk, Button Head, Pan, Coach, Grub	9 - 18
	Nuts: Hex, Half, Nylon Insert, Flange, Cage, Dome, Coupling, Pronged T	19 - 22
	Washers: Flat, Fender, Spring, Tooth, Nordlock,	23 - 25
	Retainers: Spring Pin, Circlips, Hose Clamps, Star Lock,	25 - 27
	Thread Forming Inserts (Helicoils)	27
	Blind Pop Rivets	28



FASTENERS RIVET NUTS ORDERING CODE



How to assemble rivet nut ordering code:

Rivet Nut Prefix
RN

Shape & Design		
Р	Round Plain	
K	Round Knurled	
SH	Semi-Hex	
FH	Full-Hex	

Head Type	
(blank)	Reduced Head
LF	Large Flange
CSK	Countersunk
TLF	Thin Large Flange





Round Plain



Reduced Head



Open End (Through Hole)



Round Knurled



Large Flange



Closed End (Blind)



Semi-Hex



Countersunk



Full-Hex



Thin Large Flange

Note: Requires unique USA Hole Size





	Thread Size & Hole Size	
-	M# Metric Thread (M3-M12) Metric Hole	
	M#P	Metric Thread (M3-M10) Imperial Hole
1	M#US	Metric Thread (M4-M10) Special USA Hole Size

Grip Range / Panel Thickness		
XXYY XX = Min (mm) YY = Max (mm)		
Examples:		
0520	0.5-2.5mm	
1030	1.0-3.0mm	
3055	3.0-5.5mm	

N	Material	
ZP	ZP Steel/Zinc	
SS	304 S/steel	
316	316 S/steel	
ALI	Aluminium	

Thread Size and Hole Size:

	Code to fit Metric Hole	-M3-	-M4-	-M5-	-M6-	-M8-	-M10-	-M12-
	Hole Size (mm)	5.0	6.0	7.0	9.0	11.0	13.0	16.0
	Code to fit Imperial Hole	-M3P-	-M4P-	-M5P-	-M6P-	-M8P-	-M10P-	
	Hole Size (mm)	4.8	6.4	7.2	9.6	10.6	12.8	
	Code for TLF Type Rivet Nut		-M4US-	-M5US-	-M6US-	-M8US-	-M10US-	
′	Hole Size (mm)		6.75	7.60	10.0	13.50	13.50	

Examples of full product codes and descriptions:

Code	Description
RNP-M8P-1035-ZP	Rivet Nut, Round Plain, Reduced Head, Open end, M8 Thread, Fits Imperial 10.6mm Hole and Panel Thickness of 1.0-3.5mm, Steel/Zinc
RNK-M8-1030-316	Rivet Nut, Round Knurled, Reduced Head, Open end, M8 Thread, Fits Metric 11.0mm Hole and Panel Thickness of 1.0-3.0mm, 316 S/steel
RNKCE-M10-1035-SS	Rivet Nut, Round Knurled, Reduced Head, Closed End, M10 Thread, Fits Metric 13.0mm Hole and Panel Thickness of 1.0-3.5mm, 304 S/steel
RNKLF-M12-1040-ZP	Rivet Nut, Round Knurled, Large Flange, Open End, M12 Thread, Fits Metric 16.0mm Hole and Panel Thickness of 1.0-4.0mm, Steel/Zinc
RNSHLF-M4-0520-316	Rivet Nut, Semi-Hex, Large Flange, Open End, M4 Thread, Fits Metric 6.0mm Hole and Panel Thickness of 0.5-2.0mm, 316 S/steel
RNFH-M8-4060-ZP	Rivet Nut, Full-Hex, Reduced Head, Open End, M8 Thread, Fits Metric 11.0mm Hole and Panel Thickness of 4.0-6.0mm, Steel/Zinc
RNKCSK-M6-1540-ZP	Rivet Nut, Round Knurled, Counter Sunk Head, Open End, M6 Thread, Fits Metric 9.0mm Hole and Panel Thickness of 1.5-4.0mm, Steel/Zinc
RNKTLF-M4US-0530-ZP	Rivet Nut, Round Knurled, Thin Large Flange, Open End, M4 Thread, Fits Special USA 6.75mm Hole and Panel Thickness of 0.5-3.0mm, Steel/Zinc



CLINCH STUDS STANDARD & HIGH STRENGTH STEEL, ALUMINIUM & STAINLESS STEEL

• We stock an ever expanding range of product and can promptly source any items not already in stock - please contact us with your query. Minimum order quantities may apply to some models



M#-## - Substitute size required in code, e.g. "M8-25"

Code	Material / Finish
F-CLFH-M#-##	Steel / Zinc
F-CLFHA-M#-##	Aluminium
F-CLFHS-M#-##	304 S/Steel
F-CLFH4-M#-##	400 S/Steel
F-CLHFH-M#-## (High Strength)	Steel / Zinc
F-CLHFHS-M#-## (High Strength)	304 S/Steel



Clinch fasteners require pressing into sheetmetal

CLINCH PILOT PINS STEEL & STAINLESS STEEL



M#-## - Substitute size required in code, e.g. "M6-20"

Code	Material / Finish
F-CLTP-M#-##	Steel / Zinc
F-CLTPS-M#-##	304 S/Steel
F-CLTP4-M#-##	400 S/Steel

CLINCH STANDOFFS - THROUGH AND BLIND STEEL, ALUMINIUM & STAINLESS STEEL

• We stock an ever expanding range of product and can promptly source any items not already in stock - please contact us with your query. Minimum order quantities may apply to some models



M#-## - Substitute size required in code, e.g. "M4-20"

Code	Туре	Material / Finish
F-CLSO-M#-##	Through	Steel / Zinc
F-CLSOA-M#-##	Through	Aluminium
F-CLSOS-M#-## F-CLSO4-M#-##	Through Through	304 S/Steel 400 S/Steel
F-CLBSO-M#-##	Blind (Closed End)	Steel / Zinc
F-CLBSOA-M#-##	Blind (Closed End)	Aluminium
F-CLBSOS-M#-## F-CLBSO4-M#-##	Blind (Closed End) Blind (Closed End)	304 S/Steel 400 S/Steel

CLINCH NUTS - KALEI STEEL, STAINLESS STEEL



M#-# - Substitute size required in code, e.g. "M4-2"

	•	
Code	Туре	Material / Finish
F-CLKN-M#-#	Through	Steel / Zinc
F-CLKNS-M#-#	Through	304 S/Steel

		Code suffix for panel thickness (mm)		
Thread:	Hole Size (mm)	-M#-1	-M#-2	-M#-3
M3	4.5	1.00	1.50	2.00
M4	5.5	1.00	1.50	2.00
M5	6.5	1.00	1.50	2.00
M6	8.0	1.00	1.50	2.00
M8	10.0			2.00
M10	12.5			2.00
M12	14.5			3.00
M16	18.5			3.00
M20	23.0			4.00



CLINCH NUTS - THROUGH & BLIND STEEL, ALUMINIUM, STAINLESS STEEL

• We stock an ever expanding range of product and can promptly source any items not already in stock - please contact us with your query. Minimum order quantities may apply to some models



M#-# - Substitute size required in code, e.g. "M4-2"

Code	Туре	Material / Finish
F-CLS-M#-#	Through	Steel / Zinc
F-CLA-M#-#	Through	Aluminium
F-CLSS-M#-# F-CLSP-M#-#	Through Through	304 S/Steel 400 S/Steel
F-CLB-M#-#	Blind (Closed End)	Steel / Zinc
F-CLBA-M#-#	Blind (Closed End)	Aluminium
F-CLBS-M#-# F-CLBP-M#-#	Blind (Closed End) Blind (Closed End)	304 S/Steel 400 S/Steel

		Code suffix for panel thickness (mm):				
Thread:	Hole Size (mm)	-M#-0	-M#-1	-M#-2	-M#-3	
M3	4.22	0.80	1.00	1.40	2.30	
M4	5.41	0.80	1.00	1.40	2.30	
M5	6.35	0.80	1.00	1.40	2.30	
M6	8.75	1.20	1.40	2.30	3.20	
M8	10.50		1.40	2.30	3.20	
M10	14.00		2.31	3.18		
M12	17.00		3.18			

CLINCH NUTS - NYLON INSERT LOCKING STAINLESS STEEL





M# - Substitute size required in code, e.g. "M4"

Code	Туре	Material / Finish
F-CLPLC-M#-SS	Nylon insert locking	304 S/Steel

CLINCH NUTS - FLUSH STEEL, STAINLESS STEEL

• We stock an ever expanding range of product and can promptly source any items not already in stock - please contact us with your query. Minimum order quantities may apply to some models

M#-# - Substitute size required in code, e.g. "M4-2"

Code	Material / Finish
F-CL-M#-#	304 S/Steel
F-CL4-M#-#	400 S/Steel



		Code suffix for panel thickness (mm):				
Thread:	Hole Size (mm)	-M#-1	-M#-2	-M#-3	-M#-4	-M#-5
M3	4.37	1.53	2.30			
M4	7.37	1.53	2.30			
M5	7.92	1.53	2.30			
M6	8.74			3.05	3.84	4.63

RIVET BUSH (DUNK NUT / HANK BUSH) STEEL, STAINLESS STEEL

M# - Substitute size required in code, e.g. "M8"



Code	Material / Finish
F-HBH-M#	Steel / Zinc
F-HBH-M#	304 S/Steel

Thread:	Hole Size (mm)
M3	5.4
M4	6.6
M5	7.9
M6	9.4
M8	12.6
M10	14.3
M12	18.2



CLINCH SPRING LOADED SCREW CAPTIVE PANEL FASTENER STEEL & STAINLESS STEEL

• We stock an ever expanding range of product and can promptly source any items not already in stock - please contact us with your query. Minimum order quantities may apply to some models



M#-# - Substitute size required in code, e.g. "M4-1"

Code	Туре	Material / Finish
F-CLPF11-M#-#	Large knob	Steel / Nickel
F-CLPF32-M#-#	Low profile	Steel / Nickel

WELD STUDS STEEL, ALUMINIUM & STAINLESS STEEL



M#X## - Substitute size required in code, e.g. "M6X20"

Code	Material / Finish
F-WS-M#X##-CC	Steel / Copper Coated
F-WS-M#X##-ALI	Aluminium
F-WS-M#X##-SS	304 S/Steel

THREADED ROD STEEL & STAINLESS STEEL

• We stock an ever expanding range of product and can promptly source any items not already in stock - please contact us with your query. Minimum order quantities may apply to some models



- Substitute size required in code, e.g. "M6"

Code	Material / Finish
F-TR-##-1M	Steel 4.6 / Zinc
F-TR-##-1M-GALV	Steel 4.6 / Galv
F-TR-##-1M-BLK	Steel 4.6 / Black
F-TR-##-1M-HT	Steel 8.8 / Zinc
F-TR-##-1M-HT-GALV	Steel 8.8 / Galv
F-TR-##-1M-HT-BLK	Steel 8.8 / Black
F-TR-##-1M-SS	304 S/Steel
F-TR-##-1M-316	316 S/Steel

SCREWS & BOLTS HEX HEAD BOLTS STEEL & STAINLESS STEEL



Note: Hex head bolts have a shank (are not fully threaded)

##X## - Substitute size required in code, e.g. "M6X30"

Code	Material / Finish
F-HHB-##X##	Steel 4.6 / Zinc
F-HHB-##X##-GALV	Steel 4.6 / Galv
F-HHB-##X##-BLK	Steel 4.6 / Black
F-HHB-##X##-HT	Steel 8.8 / Zinc
F-HHB-##X##-HT-GALV	Steel 8.8 / Galv
F-HHB-##X##-HT-BLK	Steel 8.8 / Black
F-HHB-##X##-SS	304 S/Steel
F-HHB-##X##-316	316 S/Steel



SCREWS & BOLTS HEX HEAD SET SCREWS STEEL & STAINLESS STEEL

• We stock an ever expanding range of product and can promptly source any items not already in stock - please contact us with your query. Minimum order quantities may apply to some models



Note: Hex head set screws are fully threaded

##X## - Substitute size required in code, e.g. "M6X30"

Code	Material / Finish
F-HHS-##X##	Steel 4.6 / Zinc
F-HHS-##X##-GALV	Steel 4.6 / Galv
F-HHS-##X##-BLK	Steel 4.6 / Black
F-HHS-##X##-HT	Steel 8.8 / Zinc
F-HHS-##X##-HT-GALV	Steel 8.8 / Galv
F-HHS-##X##-HT-BLK	Steel 8.8 / Black
F-HHS-##X##-SS	304 S/Steel
F-HHS-##X##-316	316 S/Steel

SCREWS & BOLTS SOCKET CAP SCREWS STEEL & STAINLESS STEEL



##X## - Substitute size required in code, e.g. "M6X30"

Code	Material / Finish
F-HSS-##X##	Steel / Zinc
F-HSS-##X##-SS	304 S/Steel
F-HSS-##X##-316	316 S/Steel

SCREWS & BOLTS COUNTER SUNK PHILLIPS SCREW STEEL & STAINLESS STEEL

• We stock an ever expanding range of product and can promptly source any items not already in stock - please contact us with your query. Minimum order quantities may apply to some models



##X## - Substitute size required in code, e.g. "M6X30"

Code	Material / Finish
F-CPM-##X##	Steel / Zinc
F-CPM-##X##-SS	304 S/Steel
F-CPM-##X##-316	316 S/Steel

SCREWS & BOLTS COUNTER SUNK SOCKET SCREWS STEEL & STAINLESS STEEL

• We stock an ever expanding range of product and can promptly source any items not already in stock - please contact us with your query. Minimum order quantities may apply to some models



##X## - Substitute size required in code, e.g. "M6X30"

Code	Material / Finish
F-CS-##X##	Steel / Zinc
F-CS-##X##-SS	304 S/Steel
F-CS-##X##-316	316 S/Steel



Section 17: 11

SCREWS & BOLTS COUNTER SUNK SIX LOBE SCREWS STEEL & STAINLESS STEEL

• We stock an ever expanding range of product and can promptly source any items not already in stock - please contact us with your query. Minimum order quantities may apply to some models



##X## - Substitute size required in code, e.g. "M6X30"

Code	Material / Finish
F-CST-##X##	Steel / Zinc
F-CST-##X##-SS	304 S/Steel
F-CST-##X##-316	316 S/Steel

SCREWS & BOLTS COUNTER SUNK SIX LOBE PIN SCREWS STEEL & STAINLESS STEEL



##X## - Substitute size required in code, e.g. "M6X30"

Code	Material / Finish
F-CSTP-##X##	Steel / Zinc
F-CSTP-##X##-SS	304 S/Steel
F-CSTP-##X##-316	316 S/Steel

SCREWS & BOLTS BUTTON HEAD SOCKET SCREWS STEEL & STAINLESS STEEL

• We stock an ever expanding range of product and can promptly source any items not already in stock - please contact us with your query. Minimum order quantities may apply to some models



##X## - Substitute size required in code, e.g. "M6X30"

Code	Material / Finish
F-BHS-##X##	Steel / Zinc
F-BHS-##X##-SS	304 S/Steel
F-BHS-##X##-316	316 S/Steel

SCREWS & BOLTS BUTTON HEAD HEX PIN SOCKET SCREWS STEEL & STAINLESS STEEL

• We stock an ever expanding range of product and can promptly source any items not already in stock - please contact us with your query. Minimum order quantities may apply to some models



##X## - Substitute size required in code, e.g. "M6X30"

Code	Material / Finish
F-BHSP-##X##	Steel / Zinc
F-BHSP-##X##-SS	304 S/Steel
F-BHSP-##X##-316	316 S/Steel



Section 17: 13

SCREWS & BOLTS BUTTON HEAD SIX LOBE SOCKET SCREWS STEEL & STAINLESS STEEL

• We stock an ever expanding range of product and can promptly source any items not already in stock - please contact us with your query. Minimum order quantities may apply to some models



##X## - Substitute size required in code, e.g. "M6X30"

Code	Material / Finish
F-BHT-##X##	Steel / Zinc
F-BHT-##X##-SS	304 S/Steel
F-BHT-##X##-316	316 S/Steel

SCREWS & BOLTS BUTTON HEAD SIX LOBE PIN SOCKET SCREWS STEEL & STAINLESS STEEL



##X## - Substitute size required in code, e.g. "M6X30"

Code	Material / Finish
F-BHTP-##X##	Steel / Zinc
F-BHTP-##X##-SS	304 S/Steel
F-BHTP-##X##-316	316 S/Steel

SCREWS & BOLTS PAN HEAD PHILLIPS SCREWS STEEL & STAINLESS STEEL

• We stock an ever expanding range of product and can promptly source any items not already in stock - please contact us with your query. Minimum order quantities may apply to some models



##X## - Substitute size required in code, e.g. "M6X30"

Code	Material / Finish
F-PPM-##X##	Steel / Zinc
F-PPM-##X##-SS	304 S/Steel
F-PPM-##X##-316	316 S/Steel

SCREWS & BOLTS PAN HEAD SIX LOBE SCREWS STEEL & STAINLESS STEEL



##X## - Substitute size required in code, e.g. "M6X30"

Code	Material / Finish
F-PTM-##X##	Steel / Zinc
F-PTM-##X##-SS	304 S/Steel
F-PTM-##X##-316	316 S/Steel



SCREWS & BOLTS

PAN HEAD SQUARE DRIVE SELF TAPPING SCREWS STEEL & STAINLESS STEEL

• We stock an ever expanding range of product and can promptly source any items not already in stock - please contact us with your query. Minimum order quantities may apply to some models



##X## - Substitute size required in code, e.g. "8GX32"

Code	Material / Finish
F-STPSD-##X##	Steel / Zinc
F-STPSD-##X##-SS	304 S/Steel
F-STPSD-##X##-316	316 S/Steel

SCREWS & BOLTS COUNTER SUNK SQUARE DRIVE SELF TAPPING SCREWS STEEL & STAINLESS STEEL



##X## - Substitute size required in code, e.g. "8GX32"

Code	Material / Finish
F-STCS-##X##	Steel / Zinc
F-STCS-##X##-SS	304 S/Steel
F-STCS-##X##-316	316 S/Steel



SCREWS & BOLTS COUNTER SUNK SQUARE DRIVE WOOD SCREWS STEEL & STAINLESS STEEL

• We stock an ever expanding range of product and can promptly source any items not already in stock - please contact us with your query. Minimum order quantities may apply to some models



##X## - Substitute size required in code, e.g. "8GX32"

Code	Material / Finish
F-WSCSD-##X##	Steel / Zinc
F-WSCSD-##X##-SS	304 S/Steel
F-WSCSD-##X##-316	316 S/Steel

SCREWS & BOLTS BUGLE BATTEN STEEL & STAINLESS STEEL



##X## - Substitute size required in code, e.g. "14GX75"

Code	Material / Finish
F-BB-##X##-GALV	Steel / Galv
F-BB-##X##-SS	304 S/Steel
F-BB-##X##-316	316 S/Steel



SCI

FASTENERS

SCREWS & BOLTS COACH BOLTS

STEEL & STAINLESS STEEL

• We stock an ever expanding range of product and can promptly source any items not already in stock - please contact us with your query. Minimum order quantities may apply to some models



##X## - Substitute size required in code, e.g. "M8X50"

Code	Material / Finish
F-CB-##X##-GALV	Steel / Galv
F-CB-##X##-SS	304 S/Steel
F-CB-##X##-316	316 S/Steel

SCREWS & BOLTS SOCKET GRUB SCREWS STEEL & STAINLESS STEEL



##X## - Substitute size required in code, e.g. "8GX32"

Code	Material / Finish
F-SGS-##X##	Steel / Zinc
F-SGS-##X##-SS	304 S/Steel
F-SGS-##X##-316	316 S/Steel

NUTS

STANDARD HEX NUT STEEL & STAINLESS STEEL

• We stock an ever expanding range of product and can promptly source any items not already in stock - please contact us with your query. Minimum order quantities may apply to some models



- Substitute size required in code, e.g. "M8"

Code	Material / Finish
F-HS-##	Steel/ Zinc
F-HS-##-GALV	Steel / Galv
F-HS-##-BLK	Steel / Black
F-HS-##-SS	304 S/Steel
F-HS-##-316	316 S/Steel

NUTS HALF HEX NUT STEEL & STAINLESS STEEL



- Substitute size required in code, e.g. "M8"

Code	Material / Finish
F-HN-##	Steel / Zinc
F-HN-##-SS	304 S/Steel
F-HN-##-316	316 S/Steel



FASTENERS NUTS

NYLON INSERT LOCKING NUT STEEL & STAINLESS STEEL

• We stock an ever expanding range of product and can promptly source any items not already in stock - please contact us with your query. Minimum order quantities may apply to some models



- Substitute size required in code, e.g. "M8"

Code	Material / Finish
F-NIL-##	Steel/ Zinc
F-NIL-##-GALV	Steel / Galv
F-NIL-##-SS	304 S/Steel
F-NIL-##-316	316 S/Steel

NUTS

STANDARD & NYLON INSERT LOCKING SERRATED FLANGE NUTS STEEL & STAINLESS STEEL



- Substitute size required in code, e.g. "M8"

Code	Туре	Material / Finish
F-FN-##	Standard	Steel / Zinc
F-FN-##-SS F-FN-##-316	Standard Standard	304 S/Steel 316 S/Steel
F-FNNI-##	Nylon insert locking	Steel / Zinc
F-FNNI-##-SS	Nylon insert locking	304 S/Steel

NUTS

CAGE NUTS

STEEL & STAINLESS STEEL

• We stock an ever expanding range of product and can promptly source any items not already in stock - please contact us with your query. Minimum order quantities may apply to some models



- Substitute size required in code, e.g. "M8"

Code	Material / Finish
F-CN-##	Steel / Zinc
F-CN-##-SS	304 S/Steel

NUTS

LOW TOP, STANDARD & NYLON INSERT LOCKING DOME NUTS STAINLESS STEEL







- Substitute size required in code, e.g. "M8"

Code	Туре	Material / Finish
F-DN2-##-SS	Low top	304 S/Steel
F-DN2-##-316	Low top	316 S/Steel
F-DN-##-SS	Standard	304 S/Steel
F-DN-##-316	Standard	316 S/Steel
F-DNNI-##-SS	Nylon insert locking	304 S/Steel
F-DNNI-##-316	Nylon insert locking	316 S/Steel



NUTS

ROD CONNECTOR / COUPLING NUT STEEL & STAINLESS STEEL

• We stock an ever expanding range of product and can promptly source any items not already in stock - please contact us with your query. Minimum order quantities may apply to some models



- Substitute size required in code, e.g. "M8"

Code	Material / Finish
F-RC-##	Steel/ Zinc
F-RC-##-SS	304 S/Steel
F-RC-##-316	316 S/Steel

NUTS PRONGED T-NUT STEEL & STAINLESS STEEL



##X## - Substitute size required in code, e.g. "M8X11"

Code	Material / Finish
F-TNP-##X##-ZP	Steel / Zinc
F-TNP-##X##-SS	304 S/Steel

WASHERS FLAT ROUND WASHER STEEL & STAINLESS STEEL

• We stock an ever expanding range of product and can promptly source any items not already in stock - please contact us with your query. Minimum order quantities may apply to some models

##X## - Substitute size required in code, e.g. "M8X17"

Code	Material / Finish
F-FRW-##X##	Steel/ Zinc
F-FRW-##X##-GALV	Steel / Galv
F-FRW-##X##-SS	304 S/Steel
F-FRW-##X##-316	316 S/Steel

WASHERS FLAT FENDER WASHER STEEL & STAINLESS STEEL



##X## - Substitute size required in code, e.g. "M8X30"

Code	Material / Finish
F-FFW-##X##	Steel/ Zinc
F-FFW-##X##-GALV	Steel / Galv
F-FFW-##X##-SS	304 S/Steel
F-FFW-##X##-316	316 S/Steel

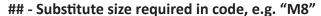


ASTENER

FASTENERS

WASHERS SPRING WASHER STAINLESS STEEL

• We stock an ever expanding range of product and can promptly source any items not already in stock - please contact us with your query. Minimum order quantities may apply to some models



Code	Material / Finish
F-SWSC-##-SS	304 S/Steel
F-SWSC-##-316	316 S/Steel



WASHER TOOTH WASHERS - EXTERNAL & INTERNAL STAINLESS STEEL

- Substitute size required in code, e.g. "M8"

Code	Туре	Material / Finish
F-ETW-##-SS	External	304 S/Steel
F-ETW-##-316	External	316 S/Steel
F-ITW-##-SS	Internal	304 S/Steel
F-ITW-##-316	Internal	316 S/Steel





WASHERS NORDLOCK LOCKING WASHER STEEL & STAINLESS STEEL

• We stock an ever expanding range of product and can promptly source any items not already in stock - please contact us with your query. Minimum order quantities may apply to some models



- Substitute size required in code, e.g. "M8"

Code	Material / Finish
F-NLW-##	Steel/ Zinc
F-NLW-##-SS	304 S/Steel
F-NLWW-##-316	316 S/Steel

RETAINERS SPRING PIN STEEL & STAINLESS STEEL



##X## - Substitute size required in code, e.g. "M6X25"

Code	Material / Finish
F-SP-##X##	Steel/ Zinc
F-SP-##X##-BLK	Steel / Black
F-SP-##X##-SS	304 S/Steel
F-SP-##X##-316	316 S/Steel



ASTENER

FASTENERS

RETAINERS E-TYPE CIRCLIPS STAINLESS STEEL

• We stock an ever expanding range of product and can promptly source any items not already in stock - please contact us with your query. Minimum order quantities may apply to some models



Code	Material / Finish	
F-ETC-#MM-SS	304 S/Steel	
F-ETC-#MM-316	316 S/Steel	



RETAINERS HOSE CLAMPS STAINLESS STEEL

##-## - Substitute size required in code, e.g. "10-16"

Code	Material / Finish	
F-HC-##-##-SS	304 S/Steel	
F-HC-##-##-316	316 S/Steel	





RETAINERS STARLOCK WASHERS STAINLESS STEEL

• We stock an ever expanding range of product and can promptly source any items not already in stock - please contact us with your query. Minimum order quantities may apply to some models





- Substitute size required in code, e.g. "M8"

Code	Material / Finish	
F-SLW-##	304 S/Steel	

RETAINERS THREAD FORMING INSERTS (TAP COILS / HELICOILS) STAINLESS STEEL

##X##X## - Substitute size required in code, e.g. "M6X1.0X1D"

Code	Material / Finish	
F-HCI-##X##X##-SS	304 S/Steel	



FASTENERS

BLIND POP RIVETS

STANDARD, MULTI-GRIP, STRUCTURAL, SEALED, COUNTERSUNK STEEL, ALUMINIUM, STAINLESS STEEL & MONEL



- Substitute material and size required in code, e.g. "AS4-2"

Code	Туре
F-73####	Truss head
F-MGR-####	Multi-grip
F-SR-BB-####	Structural
F-73T####	Sealed
F-72####	Countersunk

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18 TOOLS



TOOLS

BATTERY RIVET NUT TOOL

• Lithium battery powered rivet nut tool

• Includes 4.0AH + 2.0AH batteries and charger

• Complete with M4 - M10 nose pieces

 Suitable for M4 - M8 steel/aluminium/stainless steel and M10 steel/aluminium

• Hard plastic carry case with spanners

Code	Description	Batteries Included
BT-E8000	Battery rivet nut tool	4.0AH + 2.0H



RIVIT SHEETMETAL TOOLS

Selectlok is the exclusive New Zealand distributor for leading Italian company Rivit which specialises in fasteners and tools for sheet metal fabrication and assembly.

Founded in 1973, Rivit designs product for the global market and meets the demands of international customers with advanced state of the art logistics including an automatic warehouse.

Operating out of a 6000m² building on a 14,000 m² site, Rivit ensures both its product and services are of the very highest standards, with UNI EN ISO 9001:2008 certification.



CUSTOMER TESTIMONIALS

After recently purchasing three RIV912 rivet-nut guns from Selectlok we have found that it has increased production and efficiency.

We are using up to 10,000pcs of M10 rivet-nuts per week on a large range of products. The Rivit guns have greatly improved our assembly times and output.

Great tools.

- John Dart Foreman



We purchased a Rivit gun six months ago to fix a wide range of nut sizes into a variety of different sheet materials and it has been faultless.

We are now designing components around the use of the Rivit gun, it has reduced our labour time and resulted in a favourable cost saving.

- Grant Baker Programmer / Estimator



I have worked at PFS Engineering (previously MacArthur Engineering) for almost 30 years.

We have been using Selectlok's rivet-nut guns for many years and more recently their Rivit weld-stud gun which performs very well and has never given us any problems. I recommend these products to anyone.

- Darryl Baker Production Manager



Since purchasing Rivit air tools, we have experienced increased efficiency and throughput, without the disruption and down time caused by inferior quality tools.

- Doug Brand Director / Manufacturing Manager





TOOLS

RIVIT SHEETMETAL TOOLS

Below are just a few of the tools available. Visit www.rivit.it or contact us to discuss your requirements.

RIVIT HAND TOOLS FOR RIVET NUTS



RIVIT HYDROPNEUMATIC TOOLS FOR RIVET NUTS



RIVIT HAND TOOLS FOR BLIND RIVETS





RIVIT HYDROPNEUMATIC TOOLS FOR STRUCTURAL BLIND RIVETS

RIVIT WELD STUD GUN







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19 ELECTRONIC PRODUCTS



ELECTRONIC PRODUCTS

12V ELECTRIC JOCKEY WHEEL & ACCESSORIES

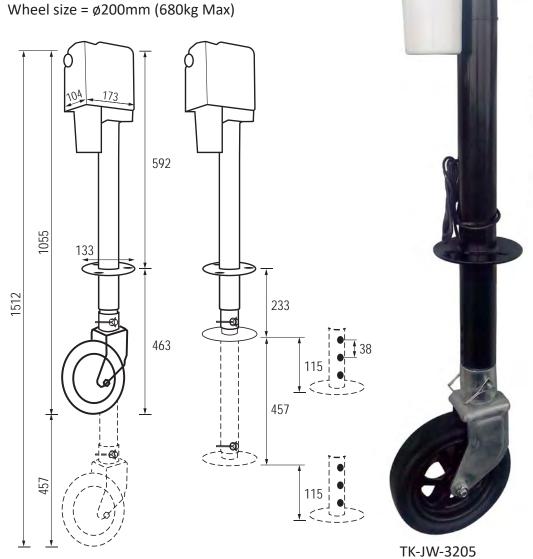
FEATURES:

- 1590kg 12V DC 20A Electric jack
- Push button Up/Down control
- Powder coated rust-resistant construction
- Sturdy base greater stability
- Acme rolled inner screw thread
- Motor protected with 20A fuse
- IP54

DIMENSIONS:

Load capacity = 1590kg Travel (Lift) = 457mm

Weight = 11.7kg





Code	Description
TK-JW-3205	12V DC 20A 1590kg 18" Lift Electric Jack. 200Dia x 50mm Jockey Wheel 680kg Max
TK-LF	Levelling foot attachment with 4 holes for quick height adjustment up to 115mm
TK-DBB	Draw bar bracket for attaching jockey wheel



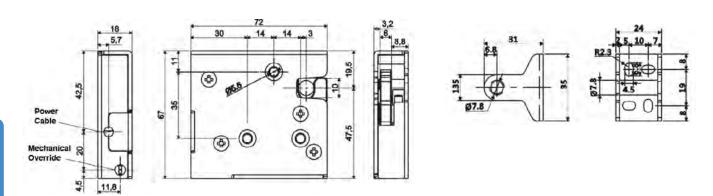
ELECTRONIC PRODUCTS

ELECTRONIC SOLENOID ROTARY LATCH STAINLESS STEEL



RL-CABLE-2 RL-SOL-20S-HD Strike bolt included

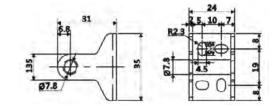
- Very secure hidden latching of any door, can be unlatched remotely (electronically) with a 12V pulse from any access control interface (e.g. key fob, PIN access, RFID card, mobile app, computer network, etc)
- Compatible with 12V DC power supplies / batteries
- Solenoid motor releases cam momentarily (note: cannot "hold open" in unlatched state (for this functionality see RL-G-20S-HD)
- Requires positive / negative power feed pulse
- 600kg hold force Unlatches electronically with cam loads up to 70N (~7kg)
- Internal microswitch signals door open / closed position for controlling a separate circuit (e.g. alarm system, light, etc)
- Stainless steel IP20 330g Weight Size: 72 x 72 x 18mm
- Operating temperature: -20°C to 60°C Cycle rating: More than 1,000,000 Fail position = locked
- 2m, 3m mechanical override cables available in case of power failure



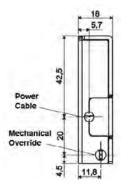
Code	Description	Dimensions
RL-SOL-20S-HD	Electronic rotary latch with solenoid motor (momentary unlatching only)	72W x 67H x 18D
RL-CABLE-2	2m mecanical override cable	2m x 5mm Dia
RL-CABLE-3	3m mechanical override cable	3m x 5mm Dia
RL-CABLE-90	90 degree corner for RL-CABLE-3 for compact installation	33W x 20H x 12D

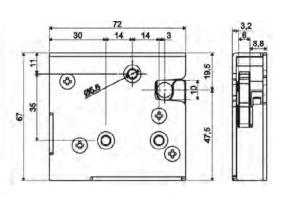


ELECTRONIC GEARED ROTARY LATCHES STAINLESS STEEL









- Very secure hidden latching of any door, can be unlatched remotely (electronically) with a 12V/24V pulse from any access control interface (e.g. key fob, PIN access, RFID card, mobile app, computer network, etc)
- Compatible with 12V / 24V DC power supplies / batteries
- Geared motor releases cam which enables "hold open" unlatched state using a time delay relay controller
- Requires positive / negative power feed and a positive signal wire to unlatch (e.g. central locking signal)
- 600kg hold force
- Unlatches electronically with cam loads up to 250kg
- Internal microswitch signals door open / closed position for controlling a separate circuit (e.g. alarm system, light, etc)
- Stainless steel IP20 330g Weight Size: 72 x 72 x 18mm
- Operating temperature: -20°C to 60°C Cycle rating: More than 1,000,000 Fail position = locked
- 2m, 3m mechanical override cables available in case of power failure



RL-CABLE-2 RL-CABLE-3 + RL-CABLE-90 RL-G-CONTROLLER

Code	Description	Dimensions
RL-G-20S-HD	Electronic rotary latch with geared motor (can hold unlatched)	72W x 67H x 18D
RL-G-20S-HD-IP67	IP67 Wateproof Electronic rotary latch with geared motor	72W x 73H x 18D
RL-G-CONTROLLER	12V DC time delay relay controller to control RL-G-20S-HD latch	70W x 40H x 26D
RL-CABLE-2	2m mecanical override cable	2m x 5mm Dia
RL-CABLE-3	3m mechanical override cable	3m x 5mm Dia
RL-CABLE-90	90 degree corner for RL-CABLE-3 for compact installation	33W x 20H x 12D





JUMP SOLAR LITHIUM JUMP START PACKS HEAVY DUTY 12V DIESEL ENGINE STARTING



The Best Jump Start Battery Packs!

- Genuine 16,000mAh Capacity Tested & True
- Powerful 16V output easily turns over hard to start 12V diesel and petrol engines
- Simple recharging off any USB socket (car, laptop, phone charger, etc)
- LED light with Torch, SOS, Strobe modes Compact robust zip-up Carry Case
- Compatible with our Fold-Out Solar Panel accessory for recharging in remote locations
- Buy in Confidence with our 1 Year Warranty Permissable for carry-on Air Travel luggage (Less than 100Wh)

BEST DEVICE CHARGING JUMP START PACK

- Fast 10W Qi Wireless Phone Charging place your compatible phone on top of jump pack
- Two Fast Charge USB Ports: USB 3.0 + USB 2.0
- Easy to Read Digital Display Showing Battery Percentage Remaining



BEST ROADSIDE RESCUE JUMP START PACK

• 40psi Air Compressor for Emergency Roadside Tyre Inflation, also bicycles, balls etc.

• Single Fast Charge USB Port: 2.8A



~16.8V (fully charged) to start <6.0L 12V Diesel Engines 4pcs 4000mAh cells: 16,000mAh x 3.7V = 59.2W Amp Hours: @ 12V (EC5 Terminal): 59.2Wh ÷ 12V = 4.93Ah @ 5V (USB Socket): 59.2Wh ÷ 5V = 11.84Ah



Code **Engine Starting** **Special Feature**

JS-AIR-16V ≤6L 12V Diesel or Petrol Integral tyre inflator

JUMP SOLAR LITHIUM JUMP START PACKS ACCESSORIES



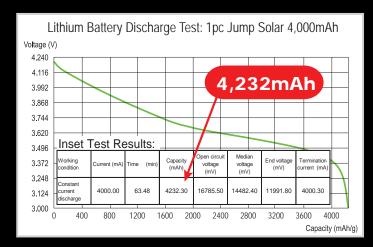


Code	Description	Compatible With
JS-Q2-PANEL	Fold Out 18V 0.78A Solar Panel	JS-Q2-16V, JS-AIR-16V
JS-Q2-ADAPTOR	USB-C to DC Adaptor Cable for Solar Panel	JS-Q2-16V, JS-AIR-16V, JS-Q2-PANEL
JS-Q2-PL	4-Way USB Phone Cables	JS-Q2-16V, JS-AIR-16V
JS-LED-EC5	EC5 to Cigarette Socket Adaptor (16V)	JS-Q2-16V, JS-AIR-16V, JS-LED-7W3K
JS-LED-SPLITTER	3-Way Cigarrette Socket Splitter	JS-LED-EC5, JS-LED-7W3K
JS-Q2-JL	Jump Cables With Electronic Protection	JS-Q2-16V, JS-AIR-16V
JS-18-JL	Jump Cables Without Electronic Protection	

Why is Jump Solar the best?

Jump Solar is a trusted brand with genuine, tested battery capacity. For example, Our models have 16000mAh which is achieved by using 4pcs of high quality 4000mAh lithium batteries from a reputable supplier with supporting test reports and discharge testing. In fact these cells average 4232mAh in testing, which means the jump pack is actually closer to 17000mAh.

Beware other brands claiming larger capacities from similar sized or smaller battery packs - if it sounds to good to be true it probably is. It is easy to print any old number on a product, however there is no new magic battery technology. The reality is larger capacity = larger product size.





ELECTRONIC PRODUCTS

JUMP SOLAR VERSATILE LED LIGHT



www.jumpsolar.co.nz

Model: JS-LED7W3K

- Remote Control On/Off/Dimming
- 7W, 700 Lumens, 3000°K Warm (Comfortable) White
- IP65 Water Rating
- 3 Year Warranty
- High Quality Epistar SMD5730 LEDs
- Accessory cable available to power off JUMP SQLAR Lithium Battery!





Code	Description	Specification
JS-LED-7W3K	Dimmable LED Light	7W 700 Lumen 3000°K Light
JS-LED-EC5	EC5 Adaptor Cable	To power LED light off JS-18000
JS-LED-SPLITTER	3-Way Cigarrette Socket Splitter	To power 3 lights off one socket

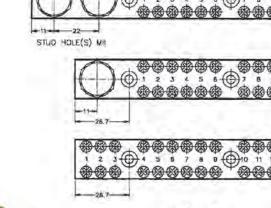


20	SWITCHBOARD ELECTRICAL	Pages
	165A 16mm ² Two Stud Earth & Neutral Bars	2
	63A 16mm ² Peg Mount Earth & Neutral Bar	3
	63A 16mm ² One Stud Earth & Neutral Bar	4
	63A 16mm ² Two Studs Earth & Neutral Bar	5
	63A 16mm ² Three Studs Earth & Neutral Bar	6
	Stand Off Insulators	7
	Window Sealing Rubber	8
	Edge Sealing Rubber	8



SWITCHBOARD ELECTRICAL

EARTH & NEUTRAL BARS HOLE MOUNT 165 AMP 16mm² CABLE TWO MAIN STUDS



TUNNEL CONFIGURATION

- Terminals fit 16mm² cable with chamfered opening for easy cable insertion
- 165A Max rating
- Two screws per terminal
- Numbered terminals
- Two main M8 studs
- Fixing holes countersunk 4mm clearance
- All edges chamfered
- RoHS compliant

Max Rating (Amps)	Number of Terminals	Number of Mounting Holes	Mounting Hole Centres (mm)
165	6	2	50
165	12	2	50
165	18	2	120
165	24	2	120
165	36	2	120
165	48	2	120
165	54	2	120
165	60	2	120
165	60		
165	72	4	120
165	84	4	120
165	96	4	120
	(Amps) 165 165 165 165 165 165 165 165 165 16	(Amps) Terminals 165 6 165 12 165 18 165 24 165 36 165 48 165 54 165 60 165 60 165 72 165 84	(Amps) Terminals Mounting Holes 165 6 2 165 12 2 165 18 2 165 24 2 165 36 2 165 48 2 165 54 2 165 60 2 165 72 4 165 84 4

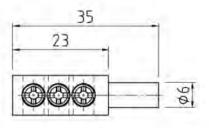


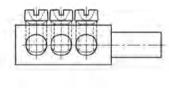
SWITCHBOARD ELECTRICAL

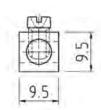
EARTH & NEUTRAL BARS PEG MOUNT 63 AMP 16mm² CABLE

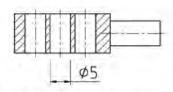


- Terminals fit 16mm² cable
- 63A Max rating
- One screw per terminal
- Numbered terminals
- Two main M8 studs
- Fixing holes countersunk 4mm clearance
- All edges chamfered
- RoHS compliant









TUNNEL CONFIGURATION

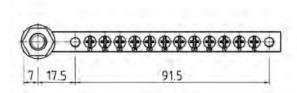
Code	Max Rating (Amps)	Number of Terminals
B-63A-3W	63	3

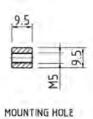


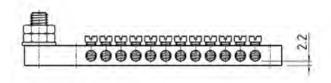
SWITCHBOARD ELECTRICAL

EARTH & NEUTRAL BARS HOLE MOUNT 63 AMP 16mm² CABLE ONE MAIN STUD









- Terminals fit 16mm² cable with chamfered opening for easy cable insertion
- 63A Max rating
- One screw per terminal
- Numbered terminals
- One main M6 stud
- M5 mounting holes
- All edges chamfered
- RoHS compliant



TUNNEL CONFIGURATION

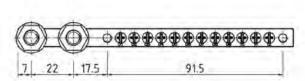
Code	Max Rating (Amps)	Number of Terminals
B-63A-6W-1ST	63	6
B-63A-12W-1ST	63	12
B-63A-18W-1ST	63	18
B-63A-24W-1ST	63	24
B-63A-36W-1ST	63	36
B-63A-48W-1ST	63	48

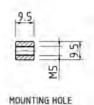


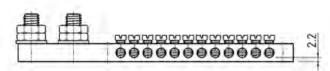
SWITCHBOARD ELECTRICAL

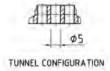
EARTH & NEUTRAL BARS HOLE MOUNT 63 AMP 16mm² CABLE TWO MAIN STUDS











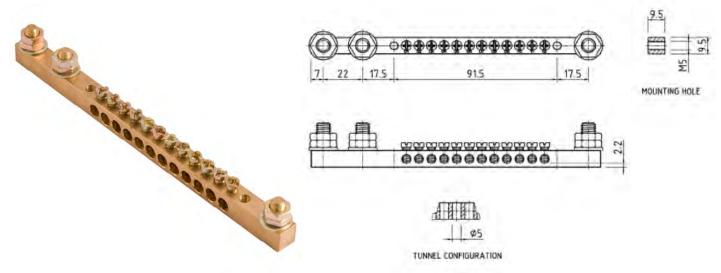
- Terminals fit 16mm² cable with chamfered opening for easy cable insertion
- 63A Max rating
- One screw per terminal
- Numbered terminals
- Two main M6 studs
- M5 mounting holes
- All edges chamfered
- RoHS compliant

Code	Max Rating (Amps)	Number of Terminals
B-63A-6W-2ST	63	6
B-63A-12W-2ST	63	12
B-63A-18W-2ST	63	18
B-63A-24W-2ST	63	24
B-63A-36W-2ST	63	36
B-63A-48W-2ST	63	48



SWITCHBOARD ELECTRICAL

EARTH & NEUTRAL BARS HOLE MOUNT 63 AMP 16mm² CABLE THREE MAIN STUDS



- Terminals fit 16mm² cable with chamfered opening for easy cable insertion
- 63A Max rating
- One screw per terminal
- Numbered terminals
- Three main M6 studs
- M5 mounting holes
- All edges chamfered
- RoHS compliant

Code	Max Rating (Amps)	Number of Terminals	Number of Mounting Holes	Mounting Hole Centres (mm)
B-63A-5W-3ST	63	5	2	
B-63A-5W-3ST-LONG	63	5	2	42
B-63A-6W-3ST	63	6	2	49.5
B-63A-12W-3ST	63	12	2	91
B-63A-18W-3ST	63	18	2	133.5
B-63A-24W-3ST	63	24	2	174.5
B-63A-36W-3ST	63	36	2	
B-63A-48W-3ST	63	48	2	342.5
B-63A-60W-3ST	63	60	2	426.5
B-63A-72W-3ST	63	72	2	



STAND OFF INSULATORS GLASS REINFORCED POLYESTER













- Glass reinforced polyester
- Octagon shape for easy installation
- High dielectric strength
- · Arc quenching and tracking
- Wear and corrosion resistant
- High quality finish and appearance
- · High mechanical strength
- · Dimensional stability
- Brass insert moulded in
- · Chemical and oil resistant
- Standards: EN60660:2000
- Operating Temperature: -40°C to 140°C

Height (mm)	Width (mm)	Thread	Tensile Strength (kg)	Torque (Nm)	Voltage (kV)
25	22	M6	227	13.72	8.5
30	30	M6	272	13.72	11
35	32	M8	295	34.3	12.5
35	32	M10	295	54.2	12.5
38	41	M10	295	54.2	12.5
40	41	M8	363	34.3	14
40	41	M10	453	67.62	14
50	36	M8	409	34.3	15.5
50	46	M10	500	67.62	15.5
50	46	M12	680	115.64	15.5
60	60	M10	907	67.62	21
75	50	M10	680	67.62	28
75	50	M12	680	115.64	28
	(mm) 25 30 35 35 38 40 40 50 50 60 75	(mm) (mm) 25 22 30 30 35 32 35 32 38 41 40 41 50 36 50 46 50 46 60 60 75 50	(mm) (mm) Thread 25 22 M6 30 30 M6 35 32 M8 35 32 M10 38 41 M10 40 41 M8 40 41 M10 50 36 M8 50 46 M10 50 46 M12 60 60 M10 75 50 M10	(mm) (mm) Thread Strength (kg) 25 22 M6 227 30 30 M6 272 35 32 M8 295 35 32 M10 295 38 41 M10 295 40 41 M8 363 40 41 M10 453 50 36 M8 409 50 46 M10 500 50 46 M12 680 60 60 M10 907 75 50 M10 680	(mm) (mm) Thread Strength (kg) (Nm) 25 22 M6 227 13.72 30 30 M6 272 13.72 35 32 M8 295 34.3 35 32 M10 295 54.2 38 41 M10 295 54.2 40 41 M8 363 34.3 40 41 M10 453 67.62 50 36 M8 409 34.3 50 46 M10 500 67.62 50 46 M12 680 115.64 60 60 M10 907 67.62 75 50 M10 680 67.62

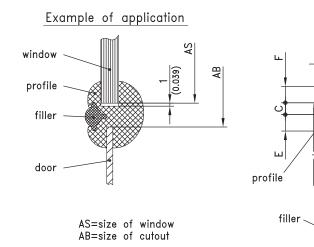


SWITCHBOARD ELECTRICAL

WINDOW SEALING RUBBER

• Window sealing rubber



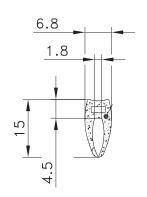


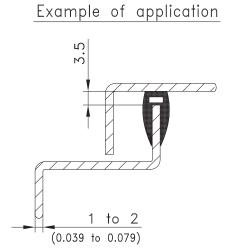
Code	Description Units (mm)	Α	В	С	D	E	F	G	н	Bend Radius
209-0502 + 209-0602	Profile + Filler	4	2.5	7	16	7	7	7.5	9.5	70

Other profiles available on request

EDGE SEALING RUBBER

- Top mount sealing rubber
- EPDM material







Code	Description
209-0302	EPDM Top mount sealing rubber

Other profiles available on request



21	MARINE PRODUCTS	Pages
	316SS Flush Pull Ring Latches	2 - 3
	316SS Mini High Security Tubular Key Quarter Turn	3
	316SS Over Centre Hasp & Staple Latch	3
	316SS Pull / Grab Handles	4
	316SS Flush Folding T Handle Latch	4
	316SS Quarter Turn Cylinder Lock	5
	316SS Quarter Turn Wing Handle: Non-Locking, Locking & Padlockable	5
	Marine Edge Protection Rubber	6
	316SS Folding Table / Seat Bracket	6
	316SS L & T Handles: Non-Locking, Locking & Padlockable	7
	316SS Compartment Latch	8
	316SS Hinges: Flush Deck, Pintle, Lift Off, Butt	8 - 11
	Stainless Steel Drawer Slides	11
	Earth & Neutral Bars	11
	316SS Gas Struts & Accessories	12
	Jump Solar Lithium Battery Jump Start Kits	13
	316SS Hook, Eye & Caribiner, Slide (Tower) Bolt & Slam Latch	14
	316SS Door Holod Back & Hatch / Cover Stay	15



MARINE PRODUCTS

FLUSH PULL RING SLAM LATCHES SPRING LOADED CAM 316 STAINLESS STEEL

• See Section 6: 2





Code	Туре	Front Face	Overall Height	Min Panel Thick (mm)	Max Panel Thick (mm)	Cam H-Dimension	Mounting Type
DX316-M1	Locking	61Dia x 3H	38	12	20	25	4x M5
DX316-M1-NL	Non-Locking	61Dia x 3H	38	12	20	25	4x M5



FLUSH PULL RING LATCHES

ADJUSTABLE CAM HEIGHT

316 STAINLESS STEEL

• See Section 6: 3



Code	Front Face	Min Panel Thick (mm)	Max Panel Thick (mm)	Cam H-Dimension
DX316-M1-CAM	64Dia x 3H	6	50	22-68

MINI INSERT (DRIVE) QUARTER TURN HIGH SECURITY TUBULAR KEY 316 STAINLESS STEEL

• See Section 10: 30



Code	Insert (Drive / Key Type)	Cam H Dimension	Matching Key Code
M-140-4-0-93-09	Tubular	3.2 - 6.4mm	M-469.1.1

OVER CENTRE HASP & STAPLE LATCH PADLOCAKABLE 316 STAINLESS STEEL

• See Section 14: 2

Code	Overall (mm)	Padlock Hole (mm)
DX316-HS-111	111L x 50W x 28H	6.3





MARINE PRODUCTS

PULL / GRAB HANDLES 316 STAINLESS STEEL

• See Section 4: 6



Code	Overall (mm)	Finger Gap (mm)	Mounting Type
DX316-H-119X15	119L x 26H x 15W	21	2x 6G CSK Screw
DX316-H-196X25	196L x 37H x 25W	27	2x 10G CSK Screw

FOLDING T HANDLE COMFORT SERIES LATCH NON-LOCKING 316 STAINLESS STEEL

• See Section 7: 11



Code	Key Number	Mounting Method
10502SS-316	Non-locking	Holes



MARINE PRODUCTS

QUARTER TURN CYLINDER LOCK KEY LOCKING 316 STAINLESS STEEL

• See Section 10: 3



Code	Material / Colour	Key Type / Number
200-9232	316 Stainless Steel	DIRAK 1333
200-9233	316 Stainless Steel	Mixed Key

Cam Code
Advise your H-Dimension and we will
specify appropriate cam to suit.

QUARTER TURN WING HANDLE KEY LOCKING & NON LOCKING 316 STAINLESS STEEL

• See Section 10: 7



Code	Material / Colour	Key Number	Cam Included?, Cam H-Dimension
M-065-4-0-00-36	316 Stainless Steel	Non Locking	Yes, 26mm
M-065-4-0-07-36	316 Stainless Steel	CH751	Yes, 26mm
M-065-4-0-144-36	316 Stainless Steel	144	Yes, 26mm
M-065-4-0-CL001-36	316 Stainless Steel	CL001	Yes, 26mm
M-065-4-0-CL003-36	316 Stainless Steel	CL003	Yes, 26mm

QUARTER TURN WING KNOB PADLOCKABLE 316 STAINLESS STEEL

• See Section 10: 9

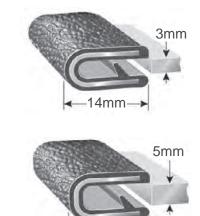


Code	Material/Finish	Handedness	Cam H-Dimension
200-9375	316 Stainless Steel	Universal	Specify to suit



EDGE PROTECTION RUBBER ALUMINIUM CAGE

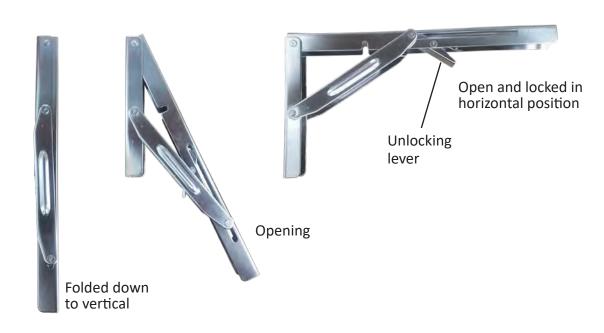


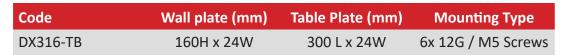


Code	Material	Panel thickness (mm)	Order Qty
1011-M3-WH	PVC with aluminium cage	3	76m Roll
1011-M3-BLK	PVC with aluminium cage	3	76m Roll
1011-M5-WH	PVC with aluminium cage	5	76m Roll
1011-M5-BLK	PVC with aluminium cage	5	76m Roll

FOLDING TABLE / SEAT BRACKET 316 STAINLESS STEEL

• See Section 1: 49







Showing inside



MARINE PRODUCTS

L HANDLES 316 STAINLESS STEEL

• See Section 10: 11





Code	Material / Colour	Key Number	Cam Included?, Cam H Dimension
200-9485	316 Stainless Steel	1333	No, Contact Us
200-9425	316 Stainless Steel	Padlockable	No, Contact Us
200-9481	316 Stainless Steel	Padlockable	No, Contact Us

T HANDLES 316 STAINLESS STEEL

• See Section 10: 12



Code	Material / Colour	Key Number
200-9374	316 Stainless Steel	Non Locking
200-9398	316 Stainless Steel	1333

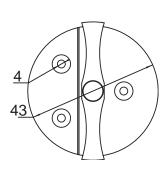
Cam Included?, Cam H Dimension No, Contact Us

No, Contact Us



COMPARTMENT LATCH 316 STAINLESS STEEL

• See Section 13:3







Code	Description	Material	Dimensions	Fixing method
94042-316	Compartment latch	316 S/Steel	50Dia x 19H	4xM4 CSK Holes

FLUSH DECK HINGE DOUBLE PIVOT (180 DEG) 316 STAINLESS STEEL

• See Section 11:15



Code	Open Width (mm)	Height (mm)	Thickness (mm)	Holes
DX316-DH	80	30	3	M4 CSK



MARINE PRODUCTS

BLOCK / PINTLE HINGE LIFT-OFF 316 STAINLESS STEEL

• See Section 11: 9-10



Code	Material / Finish	Height (mm)	Width (mm)	Thickness (mm)	Pin Dia (mm)
HIB650SS-316NS	316 Stainless Steel	82 (41+41)	12	Inline: 16	6
HIB820SS-316NS	316 Stainless Steel	82 (41+41)	12	Offset: 16/19	6

LIFT-OFF BUTT HINGE: 40 & 50 & 60mm HOLES & STUDS 316 STAINLESS STEEL

• See Section 11: 12







Code	teft Right	Height (mm)	Width (mm)	Thick (mm)	Open Angle (°)	Fixing Method	Hole Centres (mm)
M-3299-4-0-001	Right	40	40 (20+20)	5	270	4xM5 Holes	25H x 25W (12.5+12.5)
M-3299-4-0-002	Left	40	40 (20+20)	5	270	4xM5Holes	25H x 25W (12.5+12.5)
M-3099-4-0-001	Right	50	50 (25+25)	6	270	4xM6 Holes	30H x 30W (15+15)
M-3099-4-0-002	Left	50	50 (25+25)	6	270	4xM6 Holes	30H x 30W (15+15)
M-3599-4-0-001	Right	60	50 (25+25)	8	270	4xM6 Holes	36H x 30W (15+15)
M-3599-4-0-002	Left	60	50 (25+25)	8	270	4xM6 Holes	36H x 30W (15+15)



FIXED BUTT HINGE: 38 & 40mm

HOLES

316 STAINLESS STEEL



Code	Height (mm)	Width (mm)	Thick (mm)	Open Angle (°)	Material / Finish	Fixing Method	Hole Centres (mm)
N6-422-24	38	38(19+19)	2	270	316 S/Steel	4xM4 Holes	20H x 26W (13+13)
N6-424-24	38	58(39+19)	2	270	316 S/Steel	5xM4 Holes	Contact us
N6-444-24	38	78(39+39)	2	270	316 S/Steel	6xM4 Holes	Contact us
N6-426-24	38	78(59+19)	2	270	316 S/Steel	5xM4 Holes	Contact us
N6-446-24	38	98(59+39)	2	270	316 S/Steel	6xM4 Holes	Contact us
N6-466-24	38	118(59+59)	2	270	316 S/Steel	6xM4 Holes	Contact us

• See Section 11: 14



Code	Height (mm)	Width (mm)		_	Material / Finish	Fixing Method	Hole Centres (mm)
HIB40382	40	38 (19+19)	2	270	316 S/Steel	4xM5 Holes	22.5H x 26W(13+13)



MARINE PRODUCTS

FIXED BUTT HINGE: 40 & 50mm

HOLES

316 STAINLESS STEEL

• See Section 11: 19-20





Code	Height (mm)	Width (mm)	Thick (mm)	Open Angle (°)	Material / Finish	Fixing Method	Hole Centres (mm)
M-299-4-0-3	40	40 (20+20)	5	270	316 S/Steel	4xM5 Holes	25H x 25W (12.5+12.5)
M-099-4-0-4	50	50 (25+25)	6	270	316 S/Steel	4xM6 Holes	30H x 30W (15+15)
M-099-4-0-7	50	63 (25+38)	6	270	316 S/Steel	4xM6 Holes	30H x 43W (28+15)

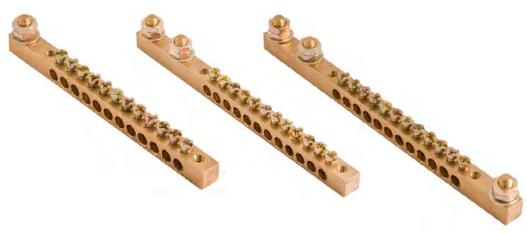
DRAWER SLIDES 45KG PER DRAWER STANDARD 201 STAINLESS STEEL

• See Section 15: 3



EARTH & NEUTRAL BARS 63 AMP 16mm² CABLE ONE, TWO OR THREE MAIN STUDS

• See Section 20: 2-6



GAS STRUTS & MOUNTING BRACKETS 316 & 303 STAINLESS STEEL



MARINE PRODUCTS

JUMP SOLAR LITHIUM JUMP START PACKS

The Best Jump Start Battery Packs!

- Genuine 16,000mAh Capacity Tested & True
- Powerful 16V output easily turns over hard to start 12V diesel and petrol engines
- Simple recharging off any USB socket (car, laptop, phone charger, etc)
- LED light with Torch, SOS, Strobe modes Compact robust zip-up Carry Case
- Compatible with our Fold-Out Solar Panel accessory for recharging in remote locations
- Buy in Confidence with our 1 Year Warranty Permissable for carry-on Air Travel luggage (Less than 100Wh)

BEST DEVICE CHARGING JUMP START PACK

- Fast 10W Qi Wireless Phone Charging place your compatible phone on top of jump pack
- Two Fast Charge USB Ports: USB 3.0 + USB 2.0
- Easy to Read Digital Display Showing Battery Percentage Remaining



• See Section 19:6-8 for accessories

BEST ROADSIDE RESCUE JUMP START PACK

• 40psi Air Compressor for Emergency Roadside Tyre Inflation, also bicycles, balls etc.

• Single Fast Charge USB Port: 2.8A

Lithium battery specs:

~16.8V (fully charged) to start <6.0L 12V Diesel Engines 4pcs 4000mAh cells: 16,000mAh x 3.7V = 59.2Wh Amp Hours: @ 12V (EC5 Terminal): 59.2Wh ÷ 12V = 4.93Ah @ 5V (USB Socket): 59.2Wh ÷ 5V = 11.84Ah



CodeEngine StartingSpecial FeatureJS-AIR-16V≤6L 12V Diesel or PetrolIntegral tyre inflator

See Section 19:6-8 for accessories



HOOK, EYE & CARIBINER TIE OFF BRACKETS 316 STAINLESS STEEL

• See Section 13:3



Code	Base (mm)	Gap For Rope	Holes (mm)
DX316-HOOK	27 x 27	6mm H	M4 CSK
DX316-EYE	35 x 30	10mm Dia	M5 CSK
DX316-CARIBINER	36 x 30	11mm H	M4 CSK

SLIDE BOLT / TOWER BOLT 316 STAINLESS STEEL

• See Section 13:5



Code	Pin Ø (mm)	Material / Finish	Fixing
DX316-SB-90	10	316 S/steel	6xM4 Holes

NON LOCKING SLAM LATCH 316 STAINLESS STEEL

• See Section 4:14





Code	Dimensions (mm)	Thickness (mm)	Holes
DX316-SLAM	70L x 39W x 26H	316 S/steel	M4 CSK

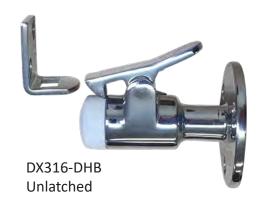


Section 21: 14

DOOR STOP & HOLD BACK MARINE GRADE 316 STAINLESS STEEL

• See Section 13:11





Code	Dimensions (mm)	Description	Material
DX316-DHB	50Dia x 60L	Door hold back latch	316 S/Steel

HATCH, COVER, DOOR HOLD OPEN STAY SPRING TENSION 316 STAINLESS STEEL







• See Section 1:45









PRODUCT CODE SEARCH

PAGE	CODE	DESCRIPTION
S13: P19-20	010500	Truck Door Cam Lock Kit
S13: P21	011400	Truck Door Cam Lock Kit
S14: P20	022800	Extra Large Over Centre
S11: P30	030	Strap Hinge
S11: P36	031400	Container Hinge
S13: P10	058000	Lashing Ring
S3: P2,6	1000-15	Cam
S3: P4	1000-1589-1200E	Cam & Rod Kit
S10: P16	100-90	Quarter Turn Component
S12: P3-7	1011	Edge Rubber Seal
S8: P4	10207	Compression Lock
S8: P3	10208	Compression Lock
S6: P11	10402-CH510	Small Paddle Latch
S6: P16	10409-50611	Large Paddle Rotary Latch
S6: P14	10409-CH5	Large Paddle Latch
S6: P15	10411-CH5	Large Paddle Latch For Rods
S7: P18	10502	Enomomy Folding T Handle
S7: P23	10502-CAP	Folding T Handle Accessory
S9: P12	10502-CAP	Cam Lock Accessory
S7: P9	10502-CH###-C6-N-Z##	Midnight Folding T Handle
S7: P8	10502-CH###-S-N-Z##	Midnight Folding T Handle
S7: P17	10502-CH5##	Economy Folding T Handle
S7: P10	10502-CH5##-N	Comfort Folding T Handle
S7: P10	10502-CH5##-S-N	Comfort Folding T Handle
S7: P15-16	10502-CH510-SIG	Signature Folding T Handle
S7: P13	10502-FS880	Signature Folding T Handle
S7: P14	10502-H-FS880	Signature Folding T Handle
S7: P7	10502-MINI	Folding T Handle Accessory
S7: P21	10502-PIN	Folding T Handle Accessory
S4: P14	10502-PULL-N	Pull Handle
S7: P12	10502-PULL-N	Comfort Folding T Handle
S7: P6	10502-SK#-Z##	Midnight Folding T Handle
S7: P11	10502SS-316	Comfort Folding T Handle
S7: P5	10503-SK#-Z##	Midnight Folding T Handle
S7: P2-3	10598	Sleek Folding T Handle
S5: P16	107-9228	Dirak Swing Handle

PAGE			DESCRIPTION
S11: P3	31-35 11		Container Hinge
S5: P1	13 110	7-A2140	A Series Swing Handle
S5: P1	14 110	7-A2150	A Series Swing Handle
S5: P1	12 110	7-BBCH-W	Millenium Swing Handle
S5: P2	20 110	7M	Mini Swing Handle
S5: P6	6-7 110	7S###04N	Eselon Swing Handle
S5: P3	3-4 110	7S###U3N	Eselon Swing Handle
S5: P1	11 110	7S##04	Millenium Swing Handle
S5: P8	3 110	7SCC14	Millenium Swing Handle
S5: P2	24 110	7SCCU2-EL	Swing Handle
S5: P5	5 110	7SCCU3N-PAD	Eselon Swing Handle
S5: P9	110	7SSSU3	Millenium Swing Handle
S5: P1	10 110	7SSSU3-45	Millenium Swing Handle
S11: P3	36 1110	041	Container Hinge
S11: P2	28-29 1130	0	Hinge
S14: P1	19 147	050	Extra Large Over Centre Latch
S14: P1	19 147	054	Extra Large Over Centre Hook
S13: P8	3 152	0	Spring Bolt
S13: P8	3 152	081	Lift And Turn Spring Bolt
S13: P7	7 152	103-S	Spring Bolt
S13: P6	5 152	104-S	Spring Bolt
S13: P9	153	040	Antiluce
S13: P2	22 162	505A	Truck Door Cam Lock Kit
S16: P4	4,13 177	#-KA	Door / Drawer Lock
S12: P9	183		Truck Rubber Seal
S4: P1	10-11 196		Pull Handle
S10: P2	24 200	-0	Quarter Turn Cam
S10: P2	27 200	-0211	Plastic Insert Quarter Turn
S10: P2	26 200	-170	Quarter Turn Cam
S2: P1	18 200	7-2054-840	T Handle Component
S10: P1	15-16 200	-90	Quarter Turn Component
S10: P1	15-16 200	-91	Quarter Turn Component
S10: P3	3 200	-92	Cylinder Lock Quarter Turn
S10: P1	12 200	-93	T Handle Quarter Turn
S10: P6	200	-930	Wing Handle Quarter Turn
S10: P1	12 200	-9307	T Handle Quarter Turn



PRODUCT CODE SEARCH

PAGE		DESCRIPTION	PAGE		DESCRIPTION
S10: P12	200-9308	T Handle Quarter Turn	S15: P5	3M51	Soft Close Drawer Slides
S10: P12	200-9309-144S	T Handle Quarter Turn	S2: P18	43	T Handle Component
S10: P12	200-932	T Handle Quarter Turn	S15: P2	45SD-01	Standard Drawer Slides
S10: P6	200-9322	Wing Handle Quarter Turn	S15: P3	45SSD-01	Stainless Drawer Slides
S10: P9	200-9365	Wing Handle Quarter Turn	S15: P4	45ST.01	Soft Close Drawer Slides
S10: P9	200-9375	Wing Handle Quarter Turn	S7: P4	50054PBR3	Folding T Handle
S10: P11	200-94	L Handle Quarter Turn	S16: P9	5100	Push Knob Latch
S10: P25	200-95	Quarter Turn Cam	S2: P17	60026	T Handle
S10: P28	204-0	Insert Quarter Turn Key	S11: P3-4	6312	Tila Hinge
S5: P15	207-9282	Dirak Swing Handle	S13: P13	631800	Door Hold Back
S3: P11	208-9	Flat Rod Setup	S13: P14	631901	Door Hold Back
S12: P8	209-0	Window Rubber Seal	S13: P12	6564-4-SS	Door Hold Back
S20: P8	209-0	Sealing Rubber	S9: P10	7440-S-KA	Combination Cam Lock
S13: P11	209-3	Rubber Bumper	S9: P9	8418-KA	High Security Cam Lock
S5: P25	211-9	Swing Handle Accessory	S13: P10	9027***	Rubber Bonnet Catch
S11: P51-53	212-90	Semi-Concealed Hinge	S13: P7	9156	Spring Bolt
S11: P48	212-9101	Semi-Concealed Hinge	S14: P5	9171	Small Over Centre Latch
S11: P51-52	212-95	Semi-Concealed Hinge	S12: P2	9187STS	Adhesive Rubber Seal
S11: P49	212-970	Semi-Concealed Hinge	S13: P10	92005S	Lashing Ring
S4: P12	213-0705.51	Pull Handle	S14: P6	92104	Large Over Centre Latch
S11: P43-44	216-90	Concealed Hinge	S14: P6	92105	Medium Over Centre Latch
S11: P44	216-91	Concealed Hinge	S14: P5	92106	Small Over Centre Latch
S11: P45	216-9103	Concealed Hinge	S6: P3	94009	Pull Ring Flush Latch
S11: P21	218-9220	Butt Hinge	S13: P3	94042	Compartment Latch
S3: P5	229-9001	Slam Latch	S13: P6	9535	Spring Bolt
S1: P48	230-9502-MOD	Cover Stay	S13: P9	97	Antiluce
S13: P18	254717	Truck Door Cam Lock Kit	S16: P19-20	A00	Sliding Door Track Component
S10: P19	255-98	Safety Insert Quarter Turn	S16: P6	A0007(DS-02-8N)	Strike Plate
S10: P29	264-9009	Push Button Quarter Turn	S1: P39	A15S	Gas Strut Accessory
S9: P11	264-9103	High Security Slam Cam Lock	S1: P37	A7 BLACK	Gas Strut Accessory
S15: P6	3053	125kg Drawer Slides	S2: P7-8	ABL	L Handle
S15: P7-8	3076	225kg Drawer Slides	S2: P5	ABT	T Handle
S16: P32	3230-0	Glass Shelf Support	S16: P7-8	AL-0#-N	Cabinet Latch
S16: P33	3520-0	Glass Shelf Support	S1: P38	AL0	Gas Strut Accessory
S13: P16	372831	Truck Door Cam Lock Kit	S1: P38	AL02	Gas Strut Accessory
S13: P17	372854	Truck Door Cam Lock Kit	S6: P4	ALF#04	Cabinet Flush Lock



PRODUCT CODE SEARCH

PAGE	CODE	DESCRIPTION	PAGE	CODE	DESCRIPTION
S16: P22	ALF	Locker Door Lock	S1: P36	BKT-25-C	Gas Strut Accessory
S9: P5-6	ALR	Cam Lock	S1: P36	BKT-25-O	Gas Strut Accessory
S2: P15	AL-T30	T Handle	S1: P35	BKT-26-L	Gas Strut Accessory
S1: P27	AN-450	Gas Strut Accessory	S1: P35	BKT-26-R	Gas Strut Accessory
S1: 9,12-13,1	7 B10	Gas Strut	S1: P35	BKT-52	Gas Strut Accessory
S1: P28	B10M6	Gas Strut Accessory	S1: P35	BKT-52SS	Gas Strut Accessory
S1: P28	B10M8	Gas Strut Accessory	S16: P12	BRE0	Drawer Flat Locking Rods
S20: P2	B120	Earth And Neutral Bar	S1: P29	BS-002S2	Gas Strut Accessory
S20: P3-6	B-63A	Earth And Neutral Bar	S18: P2	BT-E8000	Battery Rivet Nut Tool
S1: P31	BKT-01	Gas Strut Accessory	S3: P9	BURST40	Rotary Latch
S1: P31	BKT-02	Gas Strut Accessory	S1: P24-26	C10NPK	Gas Strut
S1: P31	BKT-03	Gas Strut Accessory	S1: P16-17	C10	Gas Strut
S1: P31	BKT-04	Gas Strut Accessory	S1: P20	C12	Gas Strut
S1: P33	BKT-05	Gas Strut Accessory	S1: P22	C14	Gas Strut
S1: P35	BKT-05BLK	Gas Strut Accessory	S1: P28	C19	Gas Strut Accessory
S1: P33	BKT-05SS	Gas Strut Accessory	S1: P23	C20	Gas Strut
S1: P30	BKT-06	Gas Strut Accessory	S1: P28	C24	Gas Strut Accessory
S1: P30	BKT-06SS	Gas Strut Accessory	S16: P30-31	C3010B	Glass Door Hinge
S1: P30	BKT-07	Gas Strut Accessory	S16: P32	C3230	Glass Shelf Connector
S1: P30	BKT-08	Gas Strut Accessory	S16: P23-25	C407/	Glass Door Lock
S1: P30	BKT-08SS	Gas Strut Accessory	S16: P26	C408/	Glass Door Lock
S1: P30	BKT-09	Gas Strut Accessory	S16: P15	C409H-KA	Sliding Door Lock
S1: P30	BKT-09A	Gas Strut Accessory	S16: P14	C409-KA	Sliding Door Lock
S1: P32	BKT-10-I	Gas Strut Accessory	S16: P5-6	C410	Glass Door Lock
S1: P32	BKT-10-IHDSS	Gas Strut Accessory	S16: P27-28	C417/	Glass Door Lock
S1: P32	BKT-10-ISS	Gas Strut Accessory	S16: P17	C419-KA120	Sliding Door Lock
S1: P32	BKT-10-O	Gas Strut Accessory	S16: P29	C420	Glass Door Lock
S1: P32	BKT-10-OHDSS	Gas Strut Accessory	S16: P18	C461	Sliding Door Lock
S1: P32	BKT-10-OSS	Gas Strut Accessory	S16: P16	C470T-K	Sliding Door Lock
S1: P34	BKT-11-13-O	Gas Strut Accessory	S9: P7	C505	Cam Lock
S1: P34	BKT-12-13	Gas Strut Accessory	S1: P9	C6	Gas Strut
S1: P33	BKT-13	Gas Strut Accessory	S1: P24	C8NPK	Gas Strut
S1: P33	BKT-13SS	Gas Strut Accessory	S1: P12-13	C8	Gas Strut
S1: P33	BKT-15SS	Gas Strut Accessory	S1: P28	C9	Gas Strut Accessory
S1: P36	BKT-23A	Gas Strut Accessory	S9: P8	CAM	Cam Lock Accessory
S1: P36	BKT-25-B	Gas Strut Accessory	S11: P5	CF-2231/0	Centaflex Continuous Hinge



PRODUCT CODE SEARCH

PAGE	CODE	DESCRIPTION	PAGE	CODE	DESCRIPTION
S4: P10	CH301	Pull Handle	S17: P4	F-CLFH	Clinch Stud
S11: P8	CL203-3	Lift Off Butt Hinge	S17: P5	F-CLKN	Clinch Kalei Nut
S11: P21	CL209-1	Butt Hinge	S17: P7	F-CLM	Clinch Flush Nut
S11: P38	CL225-1	Concealed Hinge	S17: P8	F-CLPF	Clinch Captive Panel Fastener
S11: P41	CL237	Concealed Hinge	S17: P6	F-CLPLC	Clinch Nylon Locking Nut
S11: P16	CL253-6	Butt Hinge	S17: P6	F-CLS	Clinch Nut
S11: P47	CL283-1	Concealed Hinge	S17: P5	F-CLSO	Clinch Through Standoff
S11: P26	CL299-1-Z	Torque Hinge	S17: P4	F-CLTP	Clinch Pilot Pin
S1: P37	D10	Gas Strut Accessory	S17: P21	F-CN	Cage Nut
S1: P37	D13	Gas Strut Accessory	S17: P11	F-CPM	CSK Philips Screw
S1: P37	D6	Gas Strut Accessory	S17: P11	F-CS	CSK Socket Screw
S1: P37	D7A	Gas Strut Accessory	S17: P1	F-CST	CSK Six Lobe Screw
S1: P37	D8	Gas Strut Accessory	S17: P12	F-CSTP	CSK Six Lobe Pin Screw
S13: P13	DR555	Door Hold Back	S17: P22	F-DN	Dome Nut
S13: P3	DX316	Tie Off Hooks/Eyes	S17: P26	F-ETC	E-Type Circlip
S13: P11	DX316-DHB	Door Hold Back	S17: P24	F-ETW	External Tooth Washer
S4: P6	DX316-H-1	Pull Handle	S17: P23	F-FFW	Flat Fender Washer
S11: P15	DX316-HIB-DH	Butt Hinge	S17: P20	F-FN	Flange Nut Serrated
S14: P2	DX316-HS-111	Marine Hasp And Staple	S17: P23	F-FRW	Flat Round Washer
S1: P45	DX316-HS260	Hatch Stay	S17: P7	F-HBH	Rivet Bush / Hank Bush
S6: P2	DX316-M1	Pull Ring Flush Latch	S17: P26	F-HC	Hose Clamp
S6: P3	DX316-M1-CAM	Pull Ring Flush Latch	S17: P27	F-HCI	Helicoil Thread Form Insert
S13: P5	DX316-SB-90	Slide bolt	S17: P9	F-HHB	Hex Head Bolt
S4: P14	DX316-SLAM	Pull Handle	S17: P10	F-HHS	Hex Head Set Screw
S1: P49	DX316-TB	Folding Table Bracket	S17: P19	F-HN	Half Hex Nut
S17: P28	F-7	Blind Pop Rivet	S13: P8	F-HN-M20X1.5-ZP	M20 Hex Half Nut
S9: P12	FACEPLATE SS	Cam Lock Accessory	S17: P19	F-HS	Standard Hex Nut
S18: P2-3	F-AT-RIV	Air Tools For Fasteners	S17: P10	F-HSS	Socket Cap Screw
S17: P17	F-BB	Bugle Batten CSK Sock Screw	S18: P2-3	F-HT-RIV	Hand Tools For Fasteners
S17: P13	F-BHS	Button Head Socket Screw	S17: P24	F-ITW	Internal Tooth Washer
S17: P13	F-BHSP	Btn Hd Sock Pin Screw	S17: P28	F-MGR	Multi-Grip Blind Pop Rivet
S17: P14	F-BHT	Btn Hd Six Lobe Sock Screw	S17: P20	F-NIL	Nylon Insert Lock Nut
S17: P14	F-BHTP	Btn Hd Six Lobe Pin Sock Screw	S17: P25	F-NLW	Nordlock Locking Washer
S17: P18	F-CB	Coach Bolt And Nut	S17: P15	F-PPM	Pan Head Phillips Screw
S17: P6	F-CLB	Clinch Blind Nut	S17: P15	F-PTM	Pan Head Six Lobe Screw
S17: P5	F-CLBSO	Clinch Blind Standoff	S17: P22	F-RC	Rod Connector / Coupling Nut



PRODUCT CODE SEARCH

PAGE	CODE	DESCRIPTION	PAGE	CODE	DESCRIPTION
S17: P18	F-SGS	Socket Grub Screw	S1: P39	L2S	Gas Strut Accessory
S17: P27	F-SLW	Starlock Washer	S1: P39	L5S	Gas Strut Accessory
S17: P25	F-SP	Spring Pin	S9: P8	LCAM	Cam Lock Accessory
S17: P28	F-SR-BB	Structural Blind Pop Rivet	S16: P21	LM0547.23.B.00.ZZ	Locker Door Lock
S17: P16	F-STCS	CSK Sq Drive Self Tap Screw	S6: P5	LM0547.23.B.00.ZZ	Cabinet Flush Lock
S17: P16	F-STPSD	Pan Hd Sq Drive Self Tap Screw	S16: P3	LM0661.20.F.06.FL	Padlockable Cam Lock
S17: P24	F-SWSC	Spring Washer	S9: P7	LM0661.20.F.06.FL	Cam Lock
S17: P22	F-TNP	Pronged T Nut	S4: P7,9	LS5	Pull Handle
S17: P9	F-TR	Threaded Rod	S4: P5	LS507	Pull Handle
S17: P8	F-WS	Weld Stud	S7: P20	M-014-4-12-07	Large Folding T Handle
S17: P17	F-WSCSD	CSK Sq Drive Wood Screw	S6: P12-13	M-016	Large Paddle Latch
S18: P2-3	F-WSG-RIVST80	Weld Stud Machine	S6: P12-13	M-016-A	Paddle Latch Accessory
S11: P18	HIB100100-316	Butt Hinge	S10: P22-23	M-040	Compression Quarter Turn
S11: P15	HIB100-316	Butt Hinge	S10: P17	M-060-1-1	Insert Quarter Turn
S11: P17	HIB100752	Butt Hinge	S10: P3	M-063	Cylinder Lock Quarter Turn
S11: P13	HIB100X75	Lift Off Butt Hinge	S10: P6-7	M-065	Wing Handle Quarter Turn
S11: P18	HIB1521023-316	Butt Hinge	S5: P22	M-072-1-50	Mini Swing Handle
S11: P16	HIB38261	Butt Hinge	S1: P46	M-079	Cover Stay
S11: P14	HIB40382	Butt Hinge	S4: P8	M-086-1	Pull Handle
S11: P9	HIB5	Pintle Hinge	S11: P50	M-097-1-2-2-22	Semi-Concealed Hinge
S11: P10	HIB65	Pintle Hinge	S11: P20	M-099	Butt Hinge
S11: P17	HIB7651	Butt Hinge	S10: P12	M-110	T Handle Quarter Turn
S11: P10-11	HIB8	Pintle Hinge	S10: P11	M-111	L Handle Quarter Turn
S11: P11	HIB900NS-E	Pintle Hinge	S7: P19	M-114-4-12-07	Mini Folding T Handle
S11: P29	HIB90138-S	Hinge	S6: P10	M-116	Small Paddle Latch
S11: P2	HIP	Piano Hinge	S12: P2	M-1200	Adhesive Rubber Seal
S13: P15	HM665	Emergency Hammer	S12: P2	M-1300	Adhesive Rubber Seal
S10: P26	HP001	Quarter Turn Component	S11: P23	M-1399-1	Butt Hinge
S9: P12	HP003	Cam Lock Accessory	S10: P30	M-140	Mini Insert Quarter Turn
S13: P4	HS-0#SS	Hasp And Staple	S10: P18	M-160-1-1	Slam Insert Quarter Turn
S20: P7	10	Switchboard Insulator	S10: P4	M-163-1	Cylinder Lock Quarter Turn
S19: P5-7	JS-AIR	Lithium Jump Start Kit	S1: P47	M-179	Cover Stay
S19: P7-8	JS-LED	Versatile LED Light	S11: P37	M-189	Concealed Hinge
S19: P5-7	JS-Q2	Lithium Jump Start Kit	S11: P26	M-2099-1-2	Torque Hinge
S16: P10	KEY-M-K#-M04	Master Key	S11: P25	M-2399-2-0	Torque Hinge
S1: P39	L1S	Gas Strut Accessory	S1: P50	M-245	Eye Bolt



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PAGE		DESCRIPTION	PAGE		DESCRIPTION
S13: P5	M-245	Lifting Eye Bolts	S14: P3	MP-3	In-line Toggle Clamp
S11: P24	M-2599-2-0	Torque Hinge	S14: P4	MP-40341	Hook And Loop Toggle Clamp
S10: P10	M-261-2-0-05-36	Clip In Lock Quarter Turn	S3: P2	MS1000-1588	Cam
S10: P9	M-262-1-36	Wing Handle Quarter Turn	S2: P6	MS314	T Handle
S10: P28	M-267	Insert Quarter Turn Key	S2: P8	MS315	L Handle
S6: P6	M-271	Slide Latch	S2: P9	MS317	L Handle
S4: P13	M-274-1	Pull Handle	S10: P13	MS319-1	T Handle Quarter Turn
S4: P7	M-287-500	Pull Handle	S8: P2	MS606	Compression Lock
S11: P39	M-289	Concealed Hinge	S8: P5	MS609-1A-1	Compression Lock
S11: P42,46	M-295	Concealed Hinge	S10: P20	MS705-3	Sealable Insert Quarter Turn
S11: P19	M-299	Butt Hinge	S6: P6	MS720	Slide Latch
S10: P26	M-30405485-S	Quarter Turn Cam	S10: P29	MS753	Push Button Slam Lock
S5: P19	M-308-12-2-05-36	Mini Swing Handle	S2: P10-11	MS807	L Handle
S11: P12	M-3099-4-0	Lift Off Butt Hinge	S5: P18	MS819-1	Swing Handle
S6: P17	M-316-2-0-03-01	Large Paddle Latch	S6: P9	MS866-8	Mini Paddle Latch
S11: P37	M-32003192	Concealed Hinge Accesory	S4: P2-4	MT20	Pull Handle
S11: P12	M-3299-4-0	Lift Off Butt Hinge	S9: P7	N505	Cam Lock
S13: P12	M-340.08.001	Door Hold Back	S16: P10	N507	Drawer Lock
S10: P30	M-350-1-1	Mini Insert Quarter Turn	S16: P9	N5100	Push Knob Latch
S11: P12	M-3599-4-0	Lift Off Butt Hinge	S6: P8	N5100Z	Slide Latch
S10: P5	M-362-1	Wing Knob Quarter Turn	S16: P10-11	N7000	Key Barrel And Keys
S10: P28	M-368	Insert Quarter Turn Key	S16: P10	N8000	Key Barrel And Keys
S11: P22	M-399-1	Butt Hinge	S16: P10	N8100-2	Drawer Lock Component
S5: P17	M-401	Swing Handle	S16: P11	N8400/19	Drawer Lock Component
S9: P10	M-4150	Combination Cam Lock	S1: P38	NL06	Gas Strut Accessory
S10: P21	M-460-4-0	Hygiene Quarter Turn	S12: P9	P-200-21	Truck Rubber Seal
S10: P28	M-469.1.1	Insert Quarter Turn Key	S3: P10	P2535	Internal Handle
S11: P27	M-500	Offset Pin Hinge	S5: P23	P2579-650	Swing Handle Accessory
S10: P8	M-562-1-36	Wing Handle Quarter Turn	S12: P9	P2627	Truck Rubber Seal
S5: P21	M-662	Mini Swing Handle	S7: P21-22	P3251-06	Folding T Handle Accessory
S11: P40	M-695	Concealed Hinge	S4: P8	PHP20	Pull Handle
S1: P28	M920M6	Gas Strut Accessory	S1: P38	PHS	Gas Strut Accessory
S6: P8	MN5100Z	Slide Latch	S2: P19	PI5124	T Handle Component
S16: P9	MN5100Z-15-V	Push Knob Latch	S10: P26	PI5124-09	Quarter Turn Cam
S14: P3	MP-1	Vertical Toggle Clamp	S6: P7	PI5259-02	Slide Latch
S14: P4	MP-2	Horizontal Toggle Clamp	S3: P10	PI5270	Shaft Extension



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Search product code to find corresponding catalogue page number...

PAGE	CODE	DESCRIPTION
S6: P7	PI5303-02	Slide Latch
S4: P5	PL004	Pull Handle
S1: P41-44	PR	Powerise Actuators
S1: P27	QRE10	Gas Strut Accessory
S2: P12-14	R27	T Handle
S1: P27	RB	Gas Strut Accessory
S2: P20	RDL	Refrigerator Handle
S4: P15	RDL	Pull Handle
S3: P6,8	RG	Locking Rod Component
S19: P3-4	RL	Electronic Rotary Latch
S17: P2-3	RN	Rivet Nut
S3: P7	ROD	Locking Rod
S3: P6	RODADAPT	Locking Rod Component
S1: P19	S10	Gas Strut
S1: P21	S12	Gas Strut
S1: P11	S6	Gas Strut
S1: P15	S8	Gas Strut
S9: P8	S-CM-C01	Cam Lock Accessory
S12: P2	SEL-R-X1	Adhesive Rubber Seal
S11: P14	S-N6-4	Butt Hinge
S11: P14	S-N6-C	Butt Hinge Component
S6: P18	S-R3-10-311	Large RV Paddle Latch
S1: P29	SW	Gas Strut Accessory
S1: P40	T10	Gas Strut Accessory
S2: P16	T302L	T Handle
S1: P40	Т8	Gas Strut Accessory
S9: P12	Timber Spur Washer	Cam Lock Accessory
S13: P2	TK	12V Jockey Wheel / Stand
S19: P2	TK	Jockey Wheel / Stand
S1: P29	TN-M8X17-ZP	Gas Strut Accessory
S14: P7-9	TOG-2.00.0	Large Over Centre Latch
S14: P11	TOG-2.01.0	Medium Over Centre Latch
S14: P12-13	TOG-2.03.0	Small Over Centre Latch
S14: P14	TOG-2.04.0	Small Over Centre Latch
S14: P15-16	TOG-2.05.0	Small Over Centre Latch
S14: P17-18	TOG-2.41.0	Small Over Centre Latch

PAGE	CODE		DESCRIPTION
S14: P7-	-9 TSP-2.0	0.00	Large Over Centre Hook
S14: P1	1 TSP-2.0	1.00	Medium Over Centre Hook
S14: P12	2-13 TSP-2.0	3.00	Small Over Centre Hook
S14: P1	4 TSP-2.0	4.00	Small Over Centre Hook
S14: P1	5-16 TSP-2.0	5.00	Small Over Centre Hook
S14: P1	7-18 TSP-2.4	1.00	Small Over Centre Hook
S14: P10	TSP-CL	709	Large Over Centre Hook
S14: P10	O TSP-TL	600-5	Large Over Centre Hook
S1: P40	0 U 5		Gas Strut Accessory
S1: P40	0 U 6		Gas Strut Accessory
S1: P40	0 U7		Gas Strut Accessory
S11: P6-	-7 WOH		Weldon Hinge
S7: P2	3 WP003		Folding T Handle Accessory
S9: P12	2 WP003		Cam Lock Accessory



IP (Ingress Protection) Ratings Guide

SOLIDS

1



Protected against a solid object greater than 50 mm such as a hand.

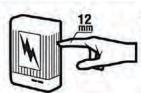
WATER





Protected against vertically falling drops of water. Limited ingress permitted.

2



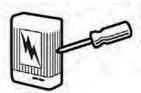
Protected against a solid object greater than 12.5 mm such as a finger.

2



Protected against vertically falling drops of water with enclosure tilted up to 15 degrees from the vertical. Limited ingress permitted.

3



Protected against a solid object greater than 2.5 mm such as a screwdriver.

3



Protected against sprays of water up to 60 degrees from the vertical. Limited ingress permitted for three minutes.

4



Protected against a solid object greater than 1 mm such as a wire.

4



Protected against water splashed from all directions. Limited ingress permitted.

5



Dust Protected.
Limited Ingress of dust permitted, Will not interfere with operation of the equipment.
Two to eight hours.





Protected against jets of water. Limited ingress permitted.



Dust tight. No Ingress of dust. Two to eight hours.

6



Water from heavy seas or water projected in powerful jets shall not enter the enclosure in harmful quantities.

Rating Example:



INGRESS PROTECTION

7



Protection against the effects of immersion in water between 15 cm and 1 m for 30 minutes.

8



Protection against the effects of immersion in water under pressure for long periods.



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