

# MULTICOM<sup>®</sup> OUTDOOR ENCLOSURES



**NEW!**



**EKOM 254**

IP 66, IP 55  
IK10

H: 1200-1400  
W: 600-1800  
D: 500-600

**NEW!**



**EKOM SW 256**

IP 66, IP 55  
IK10

H: 1200-1400  
W: 600-1800  
D: 400-600



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# Eldon MultiCOM® Outdoor Aluminum floor standing enclosures

The MultiCOM range of Aluminum floor standing enclosures comprises:

Single and Multiple door versions.

Single and double wall versions.

Standard dimensions ranging from 1200 x 600 x 400 mm up to 1400 x 1800 x 500 mm or 1200x1200x600.

## Technical Information

The symmetrical design is based on the Eldon EKSS frame, manufactured from 2mm Aluminum AlMg3 sheet and seam-welded. The manufacturing concept gives the frame a high rigidity and makes the enclosure particularly strong with a great resistance to warping and deformation.

The required rigidity is assured by a 60 degree angle in the frame flange which is folded four times. This assures strength in all directions.

The frame is perforated with a network of round (diam 4.3mm) and square (10 x 14mm) holes, alternated on a pitch of 25mm allowing fast time saving installation of accessories.

The frame in Multiple door versions, is divided into individual modules by means of vertical dividers (Modularity)

Double Wall versions: The Inner housing is provided with an external wall constructed at a distance.

An air cavity is contained between these. This interposing space has top and bottom ventilation openings, allowing air flow.

The door is manufactured using 2mm Aluminum AlMg3 sheet. Concealed hinges allow the door to be opened to 130°. Multiple door version has individual lockable doors following the modularity concept.

The standard swing handle with security lock, moves a espagnolette lock system with multiple locking points.

In the double wall version, the door has an external shell with top and bottom ventilation grids allowing air flow.

In the single wall version, the door is provided with a frame with holes on a 25mm pitch. This frame gives the door extra rigidity.

A special continuous polyurethane seal assures the IP 66 - IP 55 of protection.

The rear panel is manufactured using 2mm Aluminum AlMg3 sheet and is screw fastened from inside. The rear panel can be replaced by a plain door. Easy one man fitting is part of the integrated system.

The bottom of the enclosure is designed with a large opening and can be covered with three removable and interchangeable cable entry plates, made of Sendzimir zinc-plated 1.0 mm sheet steel or with one removable single piece plate, made of 2mm Aluminum AlMg3 (Accessory).

The enclosures are protected with powder paint RAL7035 100% Polyester powder coating with structured finish.

All panels are directly earthed to the enclosure frame by their fittings or an extra fitting clip.

The mounting plate is delivered as an accessory. Fitted with sliding brackets, the mounting plate rests directly onto the enclosure frame for maximum weight support.

The sliding brackets allow an easy installation and depth adjustment but do not interfere with the bottom cable entry space. The position of the mounting plate in the maximum depth of the enclosure is standard and the use of two opposite mounting plates is possible. The same mounting plate can be mounted in the side of the enclosure by using the accessory kit (MPS04).

The enclosure offers maximum protection to the user and equipment thanks to the high protection degree IP 66 - IP 55 - IK 10 according to IEC 60529, EN 60529 & EN 50298

## MultiCOM<sup>®</sup> Outdoor aluminum floor standing enclosures



- ◆ Sloped solar protection roof with integrated rain gutter to keep away water from door gasket.
- ◆ Innovative symmetrical frame design with integrated front and rear 25mm hole pattern.
- ◆ Anti – vandalism design: Concealed hinges, non visible screws and seamless double walls joints.
- ◆ Aluminum in combination with double walls for optimum heat management.
- ◆ The top and bottom ventilation grid allow air flow.
- ◆ Highest flexibility through compatibility with MultiFlex range of accessories.
- ◆ Outdoor condition, EN 61969 - 3 "Mechanical structures for electronic equipment. Outdoor enclosures".



Detail of door air cavity



Detail of the rain hood integrated rain gutter and ventilation grid

## MultiCOM Aluminum Floor Standing Enclosures

### EKOM

#### New Compact double wall version, aluminum single and multiple doors.

The Eldon EKOM range is designed with anti-vandalism and corrosion protection in mind. The aluminum in combination with the double walls, is the ideal solution for optimum heat management, ensuring performance of electronic equipments. Eldon EKOM range satisfies the toughest demands in Rail & Roadways Traffic Applications, Telecommunication Systems and Internet Appliances.

**NEW!**



**MULTICOM**<sup>®</sup>



IP 66, 55;  
IK10

#### Technical data

**Material:** Aluminum AlMg3

Frame: 2mm. Door: 2mm. Rear panel: 2mm. Rain hood: 2mm  
Double wall: 2mm

**Body:** One piece enclosure body. Integrated depth profiles with hole pattern allowing mounting plate to be adjusted in depth. The frame in Multiple door versions, is divided into individual modules by means of vertical dividers

**Door:** Double walled with top and bottom ventilation openings allowing air flow. Mounted with concealed hinges allowing left or right hand opening. Multiple door version has individual lockable doors

**Rear panel:** Fastened from the inside. Standard facilities for rear door mounting.

**Double wall:** Rear and lateral double walls with top and bottom ventilation openings allowing air flow.

**Rainhood:** Sloped rainhood with integrated rain gutter and ventilation channels in the perimeter.

**Lock:** Espagnolette multiple point locking system. Standard swing handle with security lock.

**Bottom plates:** Supplied as accessory .

**Earthing:** All panels are earthed through their fittings and are equipped with a separate earthing stud.

**Finish:** RAL 7035 structure powder coating 100% polyester.

**Protection:** Corresponds with IP 55, 66 IK10.

**Approvals:** Climatic and Chemically active substances resistance according to EN61969-3 "Mechanical structures for electronic equipment. Outdoor enclosures"

**Delivery:** Frame with fitted door with swinghandle, rear panel, rain hood , and double walls. Delivery also includes earthing bolts. Delivered on a pallet with identical width of the enclosure to allow suiting without removal. All packing material is recyclable. Mounting plate and bottom plates are not included in the standard delivery.



# MultiCOM Aluminum Floor Standing Enclosures

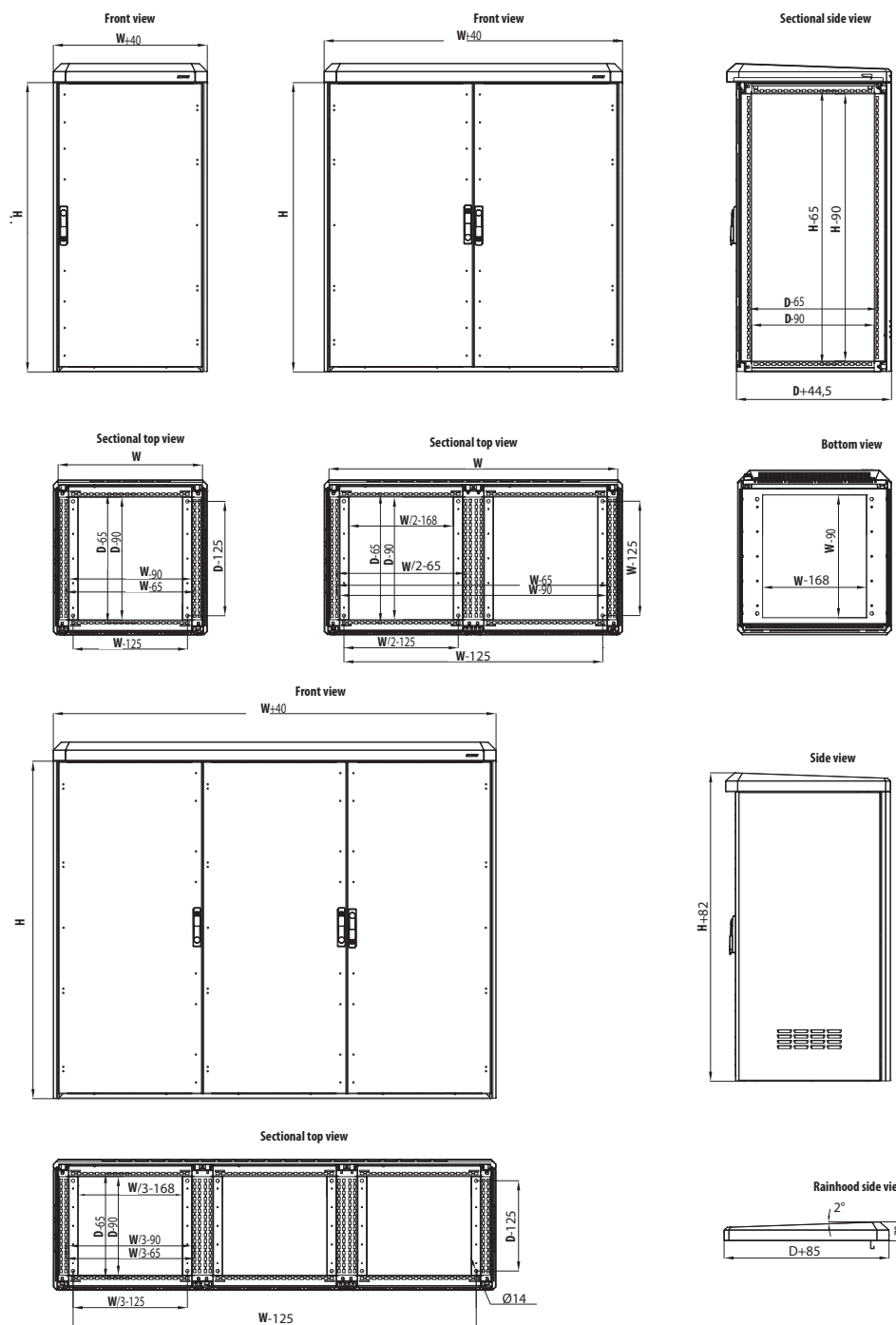
EKOM, IP 66, 55; IK10

Without Mounting plate/Bottom plate

Enclosure dimension				
H	W	D	N° of doors	Part No.
1200	600	600	1	EKOM12066*
	800	600	1	EKOM12086*
1400	600	600	1	EKOM14066*
	800	600	1	EKOM14086*
1200	1200	600	2	EKOM12126*
1400	1800	500	3	EKOM14185*

\*Delivery time upon request

## Dimensions



## MultiCOM Aluminum Floor Standing Enclosures

### EKOM-SW

**New Compact single wall version, aluminum single and multiple doors.**

As the single wall version of the EKOM range the EKOM-SW offers the same anti-vandalism and corrosion protection. The sturdy construction, with the 25mm hole pattern, one piece body and rain hood with integrated rain gutter, ensures maximum protection to outdoor conditions. MultiFlex accessories range adds further versatility.

**NEW!**



**MULTICOM**<sup>®</sup>



#### Technical data

IP 66, 55;  
IK10

**Material:** Aluminum AlMg3  
 Frame: 2mm. Door: 2mm. Rear panel: 2mm. Rain hood: 2mm.  
**Body:** One piece enclosure body. Integrated depth profiles with hole pattern allowing mounting plate adjustable in depth. The frame in Multiple door versions, is divided into individual modules by means of vertical dividers  
**Door:** Surface mounted with concealed hinges allowing left or right hand opening. Including door frame with 25 mm hole pattern and earthing studs. Multiple door version has individual lockable doors  
**Rear panel:** Fastened from the inside. Standard facilities for rear door mounting.  
**Rainhood:** Sloped rainhood with integrated rain gutter and ventilation channels in the perimeter.  
**Lock:** Espagnolette multiple point locking system. Standard swing handle with security lock.

**Bottom plates:** Supplied as accessory.  
**Earthing:** All panels are earthed through their fittings and are equipped with a separate earthing stud.  
**Finish:** RAL 7035 structure powder coating 100% polyester.  
**Protection:** Corresponds with IP 55, 66; IK10.  
**Approvals:** Climatic and Chemically active substances resistance according to EN61969-3 "Mechanical structures for electronic equipment. Outdoor enclosures"  
**Delivery:** Frame with fitted door with swinghandle, rear panel, rain hood. Delivery also includes earthing bolts. Delivered on a pallet with identical width of the enclosure to allow suiting without removal. All packing material is recyclable. Mounting plate and bottom plates are not included in the standard delivery.



# MultiCOM Aluminum Floor Standing Enclosures

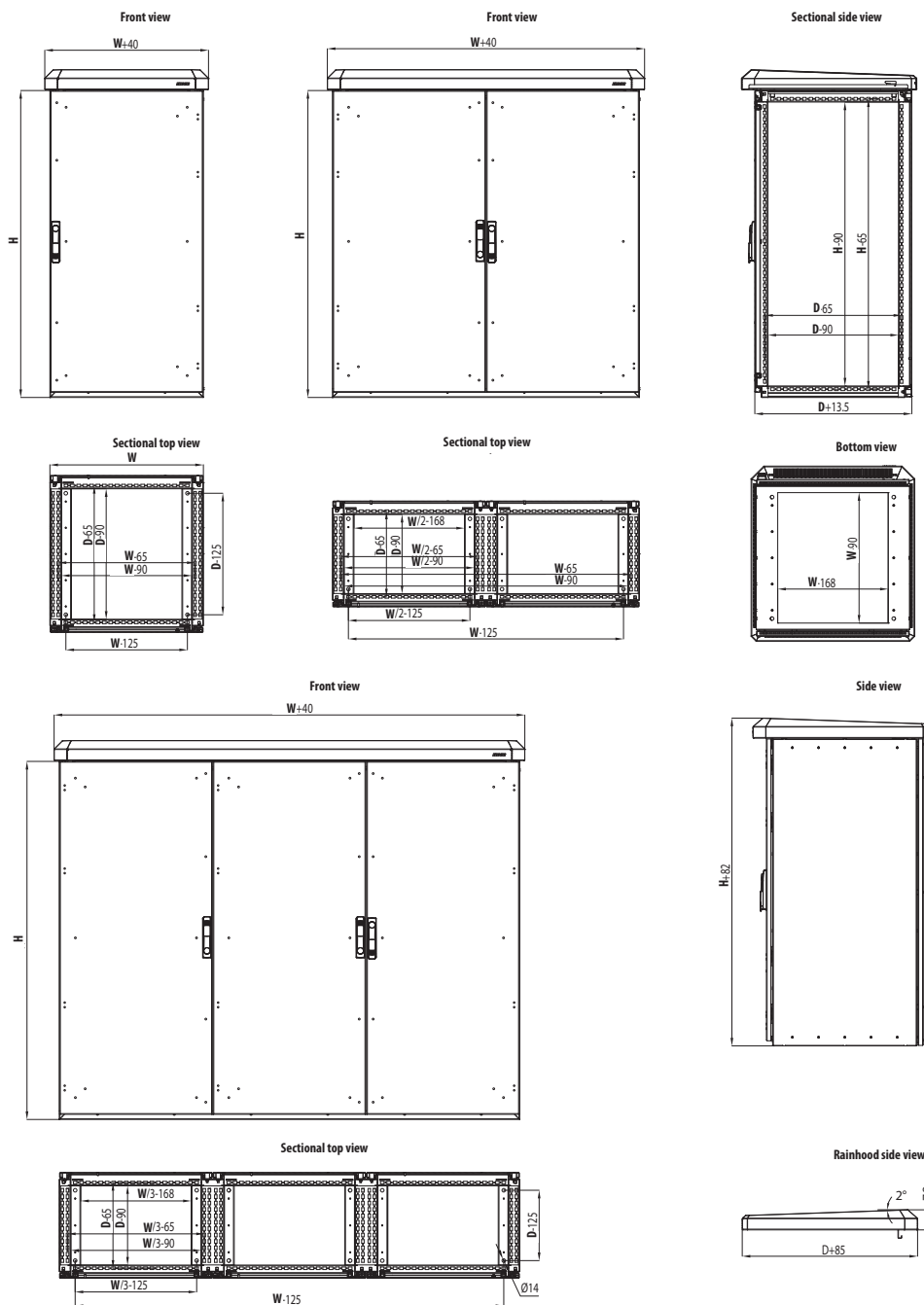
EKOM-SW, IP 66, 55; IK10

Without Mounting plate/Bottom plate

Enclosure dimension					Part No.
H	W	D	N° of doors		
1200	600	400	1	EKOM12064-SW	
		600	1	EKOM12066-SW	
	800	400	1	EKOM12084-SW	
		600	1	EKOM12086-SW	
1400	1200	400	2	EKOM12124-SW	
	1800	400	3	EKOM14184-SW	

\* Delivery time upon request

## Dimensions





# MultiCOM Aluminum Floor Standing Enclosures

## MP, Mounting plates



**Description:** Standard mounting plate. Fixing bracket kit MPA06 to be ordered separately. For heavy loads in vibrating environments use mounting plate reinforcement profile MPR and MPE or MPEF brackets.  
**Maximum load:** 6000N  
**Material:** 2.7mm galvanized steel.  
**Pack quantity:** 1 piece

Enclosure dimension		Mounting plate dimension		Part No.
H	W	h	w	
1200	600	1094	494	MP1206
	800	1094	694	MP1208
1400	600	1294	494	MP1406
	800	1294	694	MP1408

## MPAL, Mounting plates Aluminum

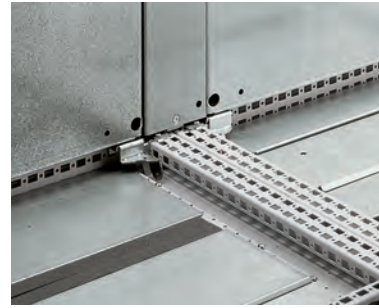


**Description:** Aluminium mounting plate. Fixing bracket kit MPA06 to be ordered separately. For heavy loads in vibrating environments use mounting plate reinforcement profile MPR and MPE or MPEF brackets.  
**Material:** 3mm Aluminum Al Mg3.  
**Pack quantity:** 1 piece

Enclosure dimension		Mounting plate dimension		Part No.
H	W	h	w	
1200	600	1094	494	MPAL1206*
	800	1094	694	MPAL1208*
1400	600	1294	494	MPAL1406*
	800	1294	694	MPAL1408*

\*Delivery time upon request

## MPF, Filler plates



**Description:** Covers the space between pairs of adjacent mounting plates to provide a continuous working surface, when two enclosures are mounted together.  
**Material:** 2mm zinc plated steel.  
**Pack quantity:** 1 plate with mounting accessories.

H	Part No.
1200	MPF1200
1400	MPF1400

## MPP, Partial height mounting plate



**Description:** Mounted directly on the enclosure's frame or onto the click-in profiles (CLPK). Special design of the bracket allows one man mounting. Can be mounted in any height or depth position within the 25mm hole pattern. Appropriate sizes can also be used on the sides of the enclosure.  
**Material:** 2.7mm galvanized steel.  
**Pack quantity:** 1 plate with mounting accessories.  
**Mounting requirement:** Add CLPK for depth adjustment.  
**Note:** MPP can be mounted in both directions.

H/W	W/H	h/w	w/h	Part No.
400	400	294	294	MPP0404
	500	294	394	MPP0405
600	400	494	294	MPP0604
	500	494	394	MPP0605
	600	494	494	MPP0606
800	400	494	694	MPP0608
	1000	494	894	MPP0610
	400	694	294	MPP0804
800	500	694	394	MPP0805
	800	694	694	MPP0808
1000	400	894	294	MPP1004
	800	894	694	MPP1008
1200	400	1094	294	MPP1204
	600	1094	494	MPP1206



# MultiCOM Aluminum Floor Standing Enclosures

## MPA, Mounting plate brackets



**Description:** To fix mounting plates to the furthest position in the rear of the enclosure, including adjustment brackets for depth adjustment in steps of 25mm. Brackets are needed when an extra mounting plate is required or when the enclosure is ordered without mounting plate (PE).

**Material:** 3mm zinc plated steel.

**Pack quantity:** 2 top brackets, 2 bottom sliding brackets and 2 adjustment brackets with mounting accessories.

Part No.
for MultiK MPA06K

## PFAL, Aluminum plinth



**Description:** Allowing cabling without any restrictions and in accordance with the VDE 0113 standard. The plinth consists of two lateral profiles with removable front and rear plates.

**Material:** Aluminum AlMg3

Profiles 3mm, and panels 2mm

**Finish:** RAL 7035 polyester powder coated

**Pack quantity:** 1 plinth with mounting material.

## MPD, Mounting plate adjustment brackets



**Description:** With these brackets the mounting plate can be adjusted in depth by steps of 25mm in the enclosure frame.

**Material:** 3mm zinc plated steel.

**Pack quantity:** 2 brackets with mounting accessories.

Part No.
MPD02

H	W	D	Part No.
100	600	400	PFAL1064*
		600	PFAL1066*
	800	400	PFAL1084
		600	PFAL1086
	1200	400	PFAL1124*
		600	PFAL1126*
	1800	400	PFAL1184*
		500	PFAL1185*

\*Delivery time upon request

Note: Plinth 1800 wide made of two pieces.



# MultiCOM Aluminum Floor Standing Enclosures

## CBPA, Aluminum bottom plates



**Description:** One piece bottom plate. To achieve perfect sealing use the gasket kit BG01.

**Material:** Aluminum AlMg3.

**Bottom plate:** 2mm

**Finish:** RAL 7035 polyester powder coated.

**Pack quantity:** 1 kit of bottom plate.

W	D	Part No.
600	400	CBPA064*
	500	CBPA065*
	600	CBPA066*
800	400	CBPA084*
	600	CBPA086*

*\*Delivery times under request*

*For enclosures 1200 mm & 1800 mm wide use 2x 600 or 3 x 600 wide bottom plates.*

## CIP, Mounting profiles (19")



**Description:** Full height mounting profiles to achieve 482.6 mm (19") mounting requirements on all sides. Fully adjustable in depth.

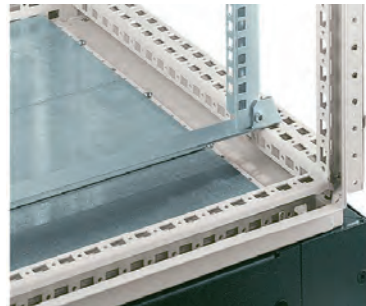
**Material:** 2 mm zinc plated steel.

**Pack quantity:** 2 pieces

**Mounting requirement:** To be used in conjunction with CIB and CID profiles.

H	U	Part No.
1200	24	CIP24
1400	29	CIP29

## CIB, Brackets for fixing 19" mounting profiles



**Description:** For fitting 19" vertical profiles CIP/CIPD in 600mm and 800mm wide enclosures. Fully adjustable in depth.

**Material:** 3mm zinc plated steel.

**Pack quantity:** 2 profiles with mounting accessories.

W	Part No.
600	CIB600
800	CIB800



## MultiCOM Aluminum Floor Standing Enclosures

### CLPK, Click-in profile



**Description:** Universal profile for both depth and width fitting on the 25mm DIN hole pattern of the enclosure's frame or in combination with the VB profiles. The 75mm wide profile is equipped with three rows of holes of which one is turned 90°. This makes it possible to mount the CLPK profiles in both directions. The CLPK can be secured by the use of self tapping screws.

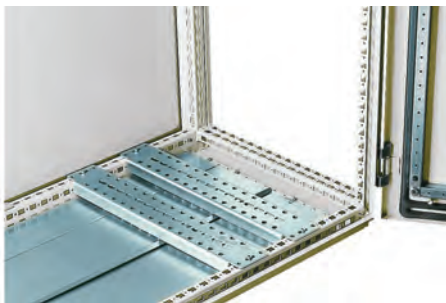
**Material:** 1.5mm zinc plated steel.

**Pack quantity:** 4 profiles.

**Mounting requirement:** Add CLPK profiles with the same height of the enclosure in the rear to fit CLPK profiles in depth.

For enclosure		Part No.
W/D		
400		CLPK400
500		CLPK500
600		CLPK600
800		CLPK800
1000		CLPK1000
1200		CLPK1200

### CB, Carrier bars



**Description:** Used for heavy equipment, such as transformers, fitted in the bottom of the enclosure.

**Material:** 3mm zinc plated steel.

**Pack quantity:** 2 bars with mounting accessories.

W/D	Max. loading	Part No.
400	2500N	CB400
500	2100N	CB500
600	1800N	CB600
800	1300N	CB800

Maximum Load indicated per bar.

### LE, Lifting eye bolts



**Description:** M12 thread. Mounts directly to the frame corner pieces of the enclosure. Complies with DIN 580 lifting requirements.

**Maximum load:** 3400N per lifting eye with max angle of 45°. Please follow Eldon lifting instructions.

**Pack quantity:** 2 pieces.

Description	Part No.
Zinc plated lifting eyes	LE9301
Stainless steel lifting eyes	LE9301SS
MultiK lifting eye	LE9301K

### DSTP, Door stop



**Description:** To lock an open door in position. Mounted directly to the door frame and on the enclosure profile.

**Material:** Zinc plated steel.

**Pack quantity:** 1 piece with mounting accessories.

Part No.
DSTP02