

CADDY[®]

Fixings and Supports for Electrical and Datacomm Installations



ERICO[®]



Innovation and Quality – The Cornerstones of Our Business

For more than 100 years, ERICO has built its reputation by developing and marketing high-quality, innovative products. As a trusted industry leader, our products and services are recognised for providing labour-saving and cost-saving solutions for customers throughout the world. It is our goal to continue to create high-quality, state-of-the-art products, while also providing the unparalleled service our customers have come to expect.

ERICO is a leading global designer, manufacturer and marketer of precision-engineered specialty metal products serving niche markets in a diverse range of electrical, construction, utility and rail applications. The company is headquartered in Solon, Ohio, USA with a network of sales locations serving more than 30 countries and with manufacturing and distribution facilities worldwide. ERICO's well-known brand names include: CADDY® electrical and mechanical fixings, fasteners and supports; CADWELD® welded electrical connections; ERICO® rail and industrial products; ERIFLEX® low-voltage power distribution; ERITECH® facility electrical protection; and LENTON® concrete products.

Visit ERICO online at www.erico.com.



CADDY® ARMOUR

Superior Corrosion Resistance

ERICO is revolutionising corrosion protection with CADDY® ARMOUR. This innovative new corrosion protection system for steel parts is UL® Recognised and RoHS compliant. Testing conducted by independent testing facilities and ERICO has proven CADDY ARMOUR to be the most advanced, self-healing coating available, providing the highest level of corrosion resistance on the market.

Excellent Coat Quality

CADDY ARMOUR provides an extremely consistent and even coating. This aesthetically pleasing appearance is particularly important for installations in highly visible areas, such as open ceilings.

Utilising a state-of-the-art, computer-controlled process, the coating is applied consistently to each part, enabling improved corrosion resistance performance. Corrosion resistance is proven through the ASTM® B117 / DIN 50021 salt spray and GM 9540P Accelerated Cyclic Corrosion tests.



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Symbols

Base Material

Product and profile type onto which the fixing will be attached.

Beam Profiles



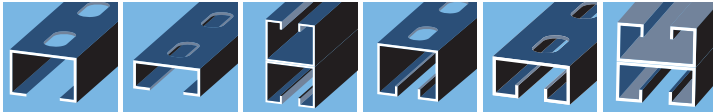
Purlin Profiles



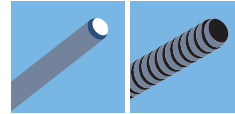
Metal Decking Profiles



Strut Profiles



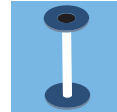
Rod Types



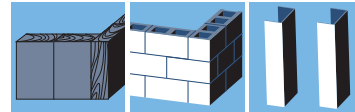
T-Grid



Pedestal Types



Wall Types



Legend

Part Number	Corrosion Protection	Hole Diameter
Part Description	Safety Factor	Recommended Hole Depth
Box Quantity	Static Load in Newtons	Drill Hole Depth
Bulk Pack	Ultimate Static Load in Newtons	Drill Bit Size
Accessory For	Weight (Kg)	Number of Twisted Pairs
	Surface Area (mm ²)	Cable Diameter
	Pipe Size	Number of Cables

Corrosion Protection

P1 Electro-zinc Plated	P6 Laquered 6.1 White RAL9010 6.2 Red Paint 6.3 Black Paint 6.4 White Paint	P13 Polyethylene (PE)
P2 Stainless Steel		P17 Nickel Plated
P3 Hot-dip Galvanised		P21 CADDY® ARMOUR
P5 Nylon	P9 Polyurethane (PU)	P22 Multi-Layer Corrosion Protection (MCP)
	P10 Polyamide (PA)	P24 EPDM
	P11 Polyvinylchloride (PVC)	P25 Polyester
	P12 Polypropylene (PP)	



Featured Products



CADDY® PYRAMID

CADDY® PYRAMID Pipe and Equipment Supports from ERICO provide an easy method for supporting pipes, cable ladder racking, cable tray, conduit and equipment on roofs and below raised access floors. CADDY PYRAMID dramatically reduces installation time by replacing other labour intensive support methods, such as concrete slabs, wood blocks, straps and clips. It also replaces steel foot plates, which can seriously damage roof membranes.

CADDY PYRAMID now offers several mounting options for a variety of applications: the original CADDY PYRAMID featuring a polyethylene foam block and electro-galvanised metal top, along with an entirely new range of strut- and roller-based supports that feature a polypropylene base with either fixed strut, height-adjustable strut, fixed roller or height-adjustable roller options. The polypropylene bases are engineered to provide more uniform load distribution than competing models. Additionally, the polypropylene bases are manufactured from recycled materials.

The foam and metal models offer mounting support up to 2700 N. The new range of strut- and roller-based polypropylene models offer loads up to 6670 N. And there is an all-plastic model available for loads up to 110 N.



CADDY® CAT LINKS

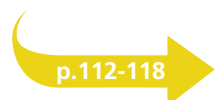
CADDY® CAT LINKS is the newest, most innovative J-Hook support solution from ERICO. Not requiring any pre-fabricated brackets or supports, the CADDY CAT LINKS system is faster and easier to install than conventional tray systems, offering the installer substantial project and logistical cost savings.

CADDY CAT LINKS offers the largest family of J-Hook sizes on the market. The full range provides a bending radius that meets TIA standards for Cat 6a and easily accommodates Cat 7, large-diameter optical fibre, inner duct and coaxial cable.

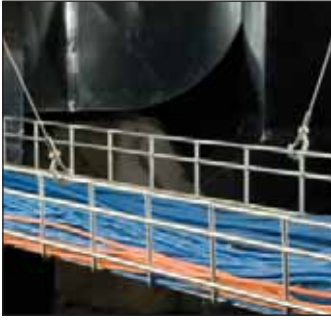
See for yourself how the versatile CADDY CAT LINKS can simplify your installations while saving time and labour.



DIN-4102-12



Featured Products



CADDY® SPEED LINK

The CADDY® SPEED LINK Universal Support System is a cost-effective alternative to jack chain, threaded rod and associated components. This innovative system reduces installation time, inventory and logistic costs.

Consisting of all-steel construction, CADDY SPEED LINK includes a strong, yet flexible wire rope with a specially engineered hook or toggle at one end, which serves as the means of support.

CADDY SPEED LINK can be installed without drilling and allows objects to be hung at a variety of angles – even from sloped ceilings.



DIN-4102-2



CADDY® ROD LOCK System

CADDY® ROD LOCK is an innovative threaded rod mounting system that provides a quick and economical solution for installing electrical and mechanical systems supported by threaded rod. The CADDY ROD LOCK product family features the CADDY® ROD LOCK Beam Clamp and CADDY® ROD LOCK Channel Nut.

With its breakthrough 'push-install' design, CADDY ROD LOCK makes it easier and faster to install threaded rod. Just simply push the threaded rod through the mounting hole, and it's instantly locked into position. It even works with slightly damaged threads and minor burrs on threaded rod, minimizing the amount of deburring required prior to installation.



Universal Decking Hanger

The new UDH universal stamped steel hanger is designed to provide easy connections to composite steel floor decking.

The UDH securely locates into the dovetail channels of the most commonly used steel decking, providing a connection nut for M6, M8 or M10 rod or screw. The unique design is ideal for use with a large range of decking types from a variety of manufacturers. This ready-to-use assembled hanger is designed to fit all dovetail widths between 25 and 60 mm.



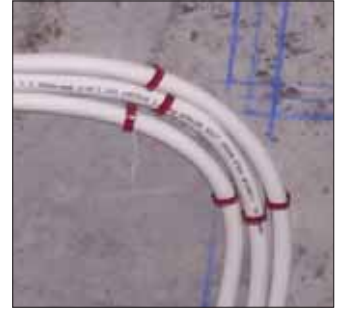
Featured Products



Wall Mounting Kit



Between T-grid Mounting Kit



CADDY® LINIAN Clip

The CADDY® LINIAN Clip is a time-saving alternative for installing fire-resistant cables on brickwork, concrete, masonry, wood studs and wood beams. The conventional way to secure the cable is to drill a hole into the concrete or masonry, insert a plastic plug, locate the cable and secure with a screw, which can be quite time consuming. The CADDY LINIAN Clip easily fixes cable by simply drilling a hole, positioning the clip around the cable, compressing the clip's legs and pushing the clip into the hole. After the hole is drilled, no tools are needed for installation. The CADDY LINIAN Clip also eliminates the plastic plug and screw. These product efficiencies dramatically save installation time and reduce cost by up to 70% over conventional installation methods.

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T-grid Mounting Kit



Beam Mounting Kit

Security Camera Mounting Kits

ERICO understands that protecting your business or your customers' business is easy when you have the right tools. To simplify installation and enhance your security system, choose CADDY® brand Security Camera Mounting Kits. Each kit is easy to install, reliable and includes all of the necessary accessories for wall, ceiling or beam mount applications.



p.125



CADDY® CAT CR50 Cable Retainer

The CADDY® CAT CR50 Cable Retainer is a plastic, low-voltage cable support with an easy-lock closure and an attachment base. The cable retainer from ERICO can be installed on walls, beams, studs, ceilings and racks – vertically or horizontally – which makes it extremely versatile. It is also suitable for airhandling spaces (plenum rating). The CADDY CAT CR50 support has rounded edges to avoid over-bending and kinking of cables.

p.124



TSGB

The TSGB Telescopic Screw Gun Bracket for between studs can mount multiple deep boxes up to 54 mm between metal or wooden studs. It is notched and marked for easy identification and bending. The improved design with pilot holes allows easy box attachment with only a screwdriver.

p.95



Visit the ERICO website at www.erico.com for new product information, up-to-date product specifications and applications, a list of upcoming events and industry tradeshow participation and more.

A full literature library provides pertinent literature in an easy-to-download PDF format. This is a great way to stay informed on all the current publications. New product brochures and datasheets are posted as soon as they are printed.

In the News & Events section, customers can find new product updates, press releases and lists of seminars.

Locations and contact information is listed for ERICO offices around the world as well as where to buy ERICO products.

www.erico.com provides a convenient way to get the answers you need day or night. Visit ERICO online.



CADDY® SPEED LINK 1.5 mm



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CADDY® SPEED LINK 2.0 mm



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CADDY® SPEED LINK 3.0 mm



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CADDY® SPEED LINK



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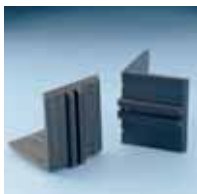
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CADDY® PYRAMID 25



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CADDY® PYRAMID 50

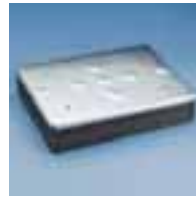


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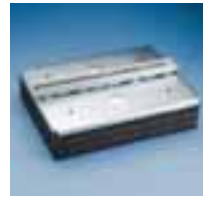


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CADDY® PYRAMID 150

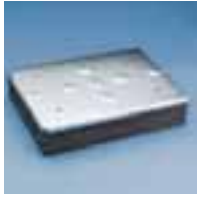


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CADDY® PYRAMID 300

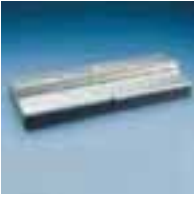


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CADDY® PYRAMID 600



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CADDY® PYRAMID EZ



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CADDY® PYRAMID ST-A



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CADDY® PYRAMID ST-F



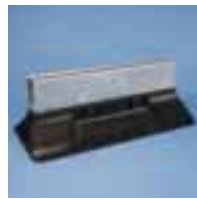
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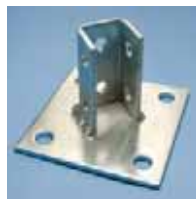


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CADDY® PYRAMID P11



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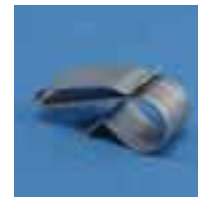
HK/87/L



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EBC



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HB2



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CADDY® ROD LOCK

TKN



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SL



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BTK



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BC

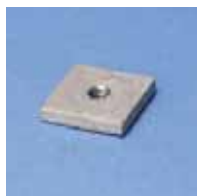


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SM



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SPP



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INC8



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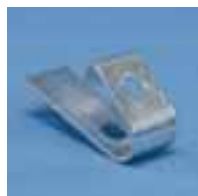


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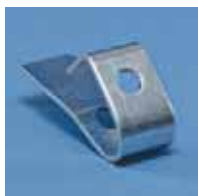
D



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PW2



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PH



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AF/VF/VAFT



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HW

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SCD

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GTD

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UDH

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OCDC

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VKR

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HSC

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EER

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TDH

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TBH

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ATA/ATS/MATA/MATS

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512

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TGE

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IDSM

4J/4G



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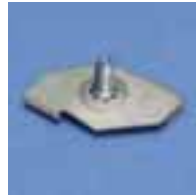
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PCS

MA/MA

K

AB



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TI/T / B-TI/T

MAB

CD-B

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P

CT

TSGB

TPC

SMS8



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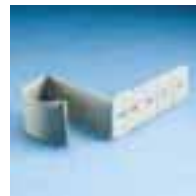
CS812

304B2

MSP20

ESG1

J1A35



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812MF



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MFSE



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FBS



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FXC20



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WC812



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CADDY® SUPERKLIP



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2000/3000



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5000



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6000



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6000



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UBH



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PCH



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BTF



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BR



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GR



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PTB



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4BRT32WS



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WCTM



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CADDY® CAT CR50



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CADDY® LINIAN



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SCMKBE



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SCMKCE



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SCMKTE



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SCMKWE



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AS

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LDC/MDC

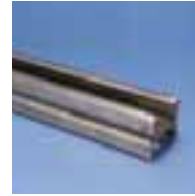
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DC/DDC

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LAC/MAC

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AC/AAC

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STS

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CLDC/CDC/CDDC

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SNZ-SNA

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UM/UD

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UA/UT

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THM

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MU

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ISN

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ISSP

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CADDY® SLICK NUT

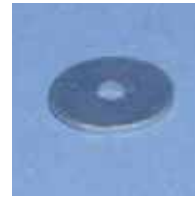
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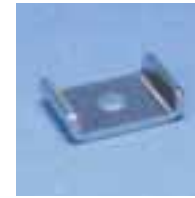
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TMN

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WSL

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PLN

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MFA

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ESC

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ADK 421



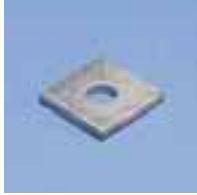
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DLP/DLM

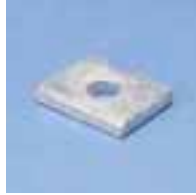


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ZE/ZE A



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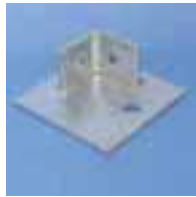


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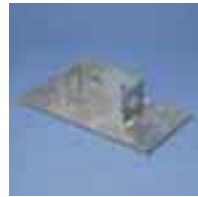
ZGA



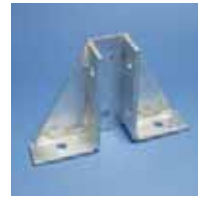
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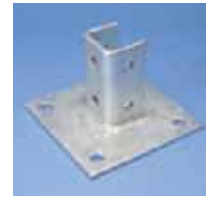
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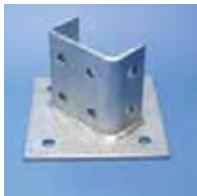
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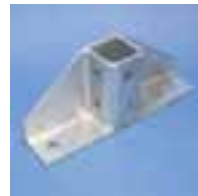
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ZSA



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ZT/ZTA



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STCB10M



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ZU/ZUA



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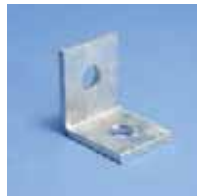
ZW/ZWA



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ZZ/ZZA



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OD

C EC

U-BOLT



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C-E

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ADK

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C-EB

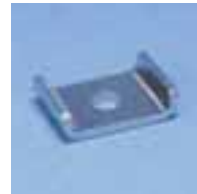
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EB25/EB35

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PL-PLN

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PL-PLN

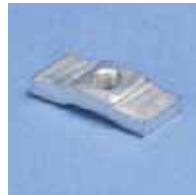
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ECN

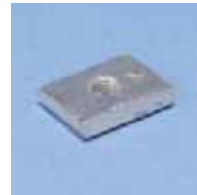
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RAC

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APX/APY

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SH-SG/SH-LG

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SH-SG/SH-LG

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MP E4/MT E4

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MP E4/MT E4

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BF

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C-FIX

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KP

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KP

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BP/ABP

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FIXOBAND

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FEI/CEI/BEI

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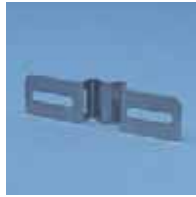
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CHN/CHK

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S/KN

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TFZ

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SN/CADDY® ROD LOCK - S

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HM

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MU

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EM

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RFF

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RMF

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VKM

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THMF

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RTU-C/RTU-L

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T4

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EBN

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ECTB

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CADDY® ROD LOCK - A

184

VDF

184

CTF

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FPN

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UPN/NPN



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RING FRF



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RING PLUS



186

MTSB/MTSH



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187

MTGB/MTGH



187



188

MTVB



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MTGD



188

PWM/PWN



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MFV



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MFT



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CL/CA/CF



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TCA



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TRN



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MLT2H



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OSM



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CADDY® SPEED LINK LD 1.5 mm

🌐	📖	Fig. #	L (m)	"Y" L (mm)	Ø (mm)	P	📦	📦	⬇️	SF
HOOK										
195950	SLD15L1	1	1	-	1.5	P1	100	5x20	195 N	5:1
195920	SLD15L2	1	2	-	1.5	P1	100	5x20	195 N	5:1
195955	SLD15L3	1	3	-	1.5	P1	100	5x20	195 N	5:1
195925	SLD15L5	1	5	-	1.5	P1	100	5x20	195 N	5:1
196018	SLD15L7	1	7	-	1.5	P1	100	5x20	195 N	5:1
195930	SLD15L10	1	10	-	1.5	P1	100	5x20	195 N	5:1
HOOK - STAINLESS STEEL										
195935	SLD15L2S	1	2	-	1.5	P2	40	20x2	195 N	5:1
195940	SLD15L5S	1	5	-	1.5	P2	40	20x2	195 N	5:1
195945	SLD15L10S	1	10	-	1.5	P2	40	20x2	195 N	5:1
2-PACKS - HOOK										
195971	SLD15L1TP	1	1	-	1.5	P1	40	20x2	195 N	5:1
195972	SLD15L2TP	1	2	-	1.5	P1	40	20x2	195 N	5:1
195973	SLD15L3TP	1	3	-	1.5	P1	40	20x2	195 N	5:1
195974	SLD15L5TP	1	5	-	1.5	P1	40	20x2	195 N	5:1
SLM6										
196028	SLDM615L1	2	1	-	1.5	P1	100	5x20	245 N	4:1
196029	SLDM615L2	2	2	-	1.5	P1	100	5x20	245 N	4:1
196030	SLDM615L3	2	3	-	1.5	P1	100	5x20	245 N	4:1
196031	SLDM615L5	2	5	-	1.5	P1	100	5x20	245 N	4:1
196032	SLDM615L7	2	7	-	1.5	P1	100	5x20	245 N	4:1
196033	SLDM615L10	2	10	-	1.5	P1	100	5x20	245 N	4:1
TOGGLE										
195968	SLD15L1T	3	1	-	1.5	P1	20	1x20	195 N	5:1
195970	SLD15L2T	3	2	-	1.5	P1	20	1x20	195 N	5:1
195969	SLD15L3T	3	3	-	1.5	P1	20	1x20	195 N	5:1
195975	SLD15L5T	3	5	-	1.5	P1	20	1x20	195 N	5:1
196021	SLD15L7T	3	7	-	1.5	P1	20	1x20	195 N	5:1
195980	SLD15L10T	3	10	-	1.5	P1	20	1x20	195 N	5:1
2-PACKS - TOGGLE										
195991	SLD15L1TTP	3	1	-	1.5	P1	40	20x2	195 N	5:1
195992	SLD15L2TTP	3	2	-	1.5	P1	40	20x2	195 N	5:1
195993	SLD15L3TTP	3	3	-	1.5	P1	40	20x2	195 N	5:1
195994	SLD15L5TTP	3	5	-	1.5	P1	40	20x2	195 N	5:1
195995	SLD15L10TTP	3	10	-	1.5	P1	40	20x2	195 N	5:1
Y-TOGGLE										
195999	SLD15Y200	4	-	200	1.5	P1	20	1x20	195 N	5:1
196000	SLD15Y300	4	-	300	1.5	P1	20	1x20	195 N	5:1
195960	SLD15Y500	4	-	500	1.5	P1	20	1x20	195 N	5:1
195965	SLD15Y800	4	-	800	1.5	P1	20	1x20	195 N	5:1
2-PACKS - Y-TOGGLE										
195996	SLD15Y500TP	4	-	500	1.5	P1	40	20x2	195 N	5:1
195997	SLD15Y800TP	4	-	800	1.5	P1	40	20x2	195 N	5:1
QUAD TOGGLE										
196007	SLD15QT250	5	-	250	1.5	P1	20	1x20	195 N	5:1
INTEGRAL Y-TOGGLE										
196011	SLD15Y300L3	6	3	300	1.5	P1	20	1x20	195 N	5:1



Fig. #1



Fig. #2



Fig. #3



Fig. #4



Fig. #5



Fig. #6

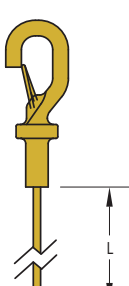


Fig. #1

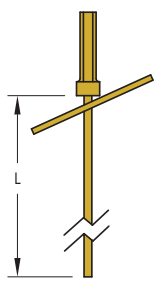


Fig. #3

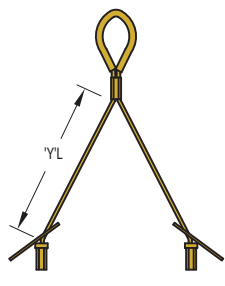


Fig. #4

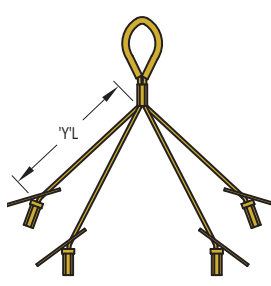


Fig. #5

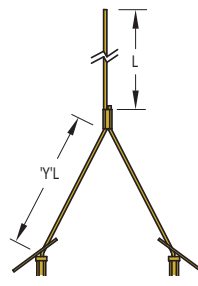


Fig. #6

Fig. #2



DIN 4102-2



CADDY® SPEED LINK 2.0 mm

🌐	📖	Fig. #	∅ (mm)	L	"Y" L (mm)	P	📦	📦	⬇️	SF
HOOK										
195800	SLD2L1	1	2.0	1 m	-	P1	100	10x10	440 N	5:1
195805	SLD2L2	1	2.0	2 m	-	P1	100	10x10	440 N	5:1
195810	SLD2L3	1	2.0	3 m	-	P1	100	10x10	440 N	5:1
195815	SLD2L5	1	2.0	5 m	-	P1	50	5x10	440 N	5:1
196019	SLD2L7	1	2.0	7 m	-	P1	25	5x5	440 N	5:1
195820	SLD2L10	1	2.0	10 m	-	P1	25	5x5	440 N	5:1
INDIVIDUALLY PACKAGED HOOK										
195801	SLD2L1BP	1	2.0	1 m	-	P1	20	20x1	440 N	5:1
195806	SLD2L2BP	1	2.0	2 m	-	P1	20	20x1	440 N	5:1
195811	SLD2L3BP	1	2.0	3 m	-	P1	20	20x1	440 N	5:1
195802	SLD2L5BP	1	2.0	5 m	-	P1	20	20x1	440 N	5:1
195803	SLD2L10BP	1	2.0	10 m	-	P1	20	20x1	440 N	5:1
Y-TOGGLE										
196036	SLD2Y300	2	2.0	-	300	P1	20	1x20	440 N	5:1
176870	SLD2Y500	2	2.0	-	500	P1	20	1x20	440 N	5:1
INTEGRAL Y-TOGGLE										
196042	SLD2Y300L050H	3	2.0	50 mm	300	P1	20	1x20	440 N	5:1
196037	SLD2Y300L2	4	2.0	2 m	300	P1	20	2x10	440 N	5:1
196038	SLD2Y300L3	4	2.0	3 m	300	P1	20	2x10	440 N	5:1
196012	SLD2Y300L5	4	2.0	5 m	300	P1	20	2x10	440 N	5:1
196013	SLD2Y300L7	4	2.0	7 m	300	P1	20	2x10	440 N	5:1
196014	SLD2Y300L10	4	2.0	10 m	300	P1	10	2x5	440 N	5:1
177140	SLD2Y500L3	4	2.0	3 m	500	P1	20	2x10	440 N	5:1
Y-HOOK										
196015	SLD2YH500	5	2.0	-	500	P1	10	1x10	440 N	5:1
196016	SLD2YH800	5	2.0	-	800	P1	10	1x10	440 N	5:1
INTEGRAL Y-HOOK										
196024	SLD2YH500L2	6	2.0	2 m	500	P1	20	2x10	440 N	5:1
196025	SLD2YH500L3	6	2.0	3 m	500	P1	20	2x10	440 N	5:1
196026	SLD2YH500L7	6	2.0	7 m	500	P1	20	2x10	440 N	5:1
2-PACKS - INTEGRAL Y-HOOK										
196004	SLD2YH500L2TP	6	2.0	2 m	500	P1	20	10x2	440 N	5:1
196005	SLD2YH500L3TP	6	2.0	3 m	500	P1	20	10x2	440 N	5:1
196006	SLD2YH500L7TP	6	2.0	7 m	500	P1	20	10x2	440 N	5:1



Fig. #1



Fig. #2



Fig. #3



Fig. #4



Fig. #5



Fig. #6

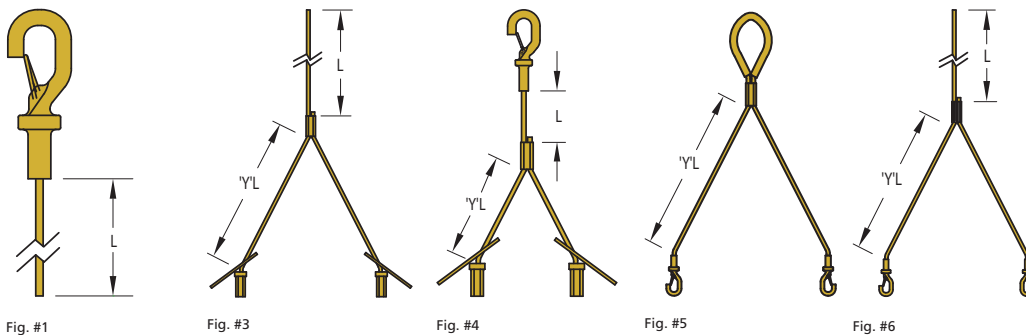


Fig. #1

Fig. #3

Fig. #4

Fig. #5

Fig. #6



DIN 4102-2



CADDY® SPEED LINK 3.0 mm

		Fig. #	L (m)	"Y" L (mm)	Ø (mm)	P				SF
HOOK										
195825	SLD3L1	1	1	-	3.0	P1	100	10x10	880 N	5:1
195830	SLD3L2	1	2	-	3.0	P1	100	10x10	880 N	5:1
195835	SLD3L3	1	3	-	3.0	P1	50	5x10	880 N	5:1
195840	SLD3L5	1	5	-	3.0	P1	50	5x10	880 N	5:1
196020	SLD3L7	1	7	-	3.0	P1	25	5x5	880 N	5:1
195845	SLD3L10	1	10	-	3.0	P1	25	5x5	880 N	5:1
INDIVIDUALLY PACKAGED HOOK										
195804	SLD3L1BP	1	1	-	3.0	P1	20	20x1	880 N	5:1
195832	SLD3L2BP	1	2	-	3.0	P1	20	20x1	880 N	5:1
195837	SLD3L3BP	1	3	-	3.0	P1	20	20x1	880 N	5:1
195807	SLD3L5BP	1	5	-	3.0	P1	20	20x1	880 N	5:1
195808	SLD3L10BP	1	10	-	3.0	P1	20	20x1	880 N	5:1
Y-HOOK										
196017	SLD3YH500	2	-	500	3.0	P1	10	1x10	880 N	5:1
195998	SLD3YH800	2	-	800	3.0	P1	20	2x10	880 N	5:1



Fig. #1



Fig. #2

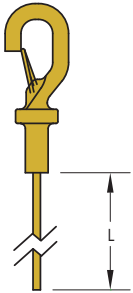


Fig. #1

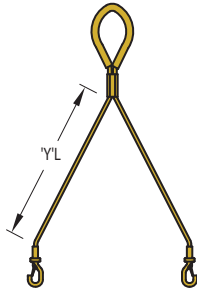
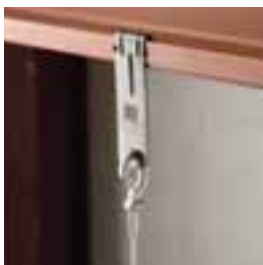
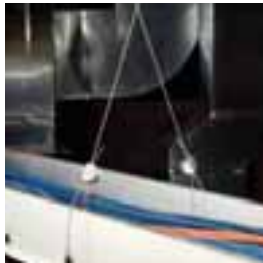


Fig. #2



DIN 4102-2



CADDY® SPEED LINK

🌐	📖	Fig. #	L	M (mm)	Ø (mm)	Ø 1 (mm)	Ø 2 (mm)	P	🏠	🏠	⬇️
CFEB05											
195864	CFEB05	1	-	-	-	-	-	-	100	-	700 N
DFF1											
172930	DFF1	2	-	-	18	-	-	P1	100	-	500 N
LOCKING DEVICE											
196009	QLD200	4	-	-	2,0,3,0	-	-	P1	200	40x5	-
196008	SLJR200	5	-	-	1.5	-	-	P2	200	10x20	-
196039	SLLM6200	3	-	-	1.5	-	-	P17	200	10x20	-
SL1214 - SL1518											
195860	SL1214	6	-	-	-	14	2-3	P21	100	-	-
195861	SL1518	6	-	-	-	18	2-3	P21	100	-	-
SLADCP											
195851	SLADCP	7	-	-	-	-	-	P11	10	-	-
SLADS											
195852	SLADS	8	-	-	-	-	-	P1	100	-	-
SLESH											
195858	SLEBWS	9	60 mm	6	8.75	-	-	P1	100	-	-
SLESIM											
195854	SLEBM6	10	30 mm	6	-	-	-	P1	100	-	-
195856	SLEBM8	10	40 mm	8	-	-	-	P1	100	-	-
SLLC250											
195863	SLLC250	11	-	-	6	-	-	P2	200	-	225 N
SLWC											
195853	SLWC	12	-	-	-	-	-	-	1	-	-
SLWPT											
195859	SLWPT	13	-	-	-	-	-	P11	1 (25 m)	-	-
WIRE SPOOL											
196001	SLC15L1000SP	14	300m	-	1.5	-	-	P1	1	-	195 N
196023	SLC15L50MSP	14	50m	-	1.5	-	-	P1	1	-	195 N
196002	SLC2L1000SP	14	300m	-	2	-	-	P1	1	-	440 N
196003	SLC3L1000SP	14	300m	-	3	-	-	P1	1	-	880 N

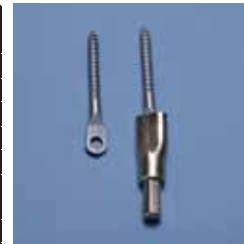


Fig. #1



Fig. #2



Fig. #3



Fig. #4



Fig. #5



Fig. #6

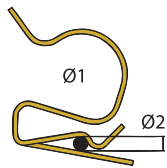


Fig. #6

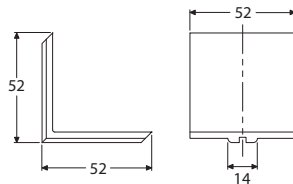


Fig. #7

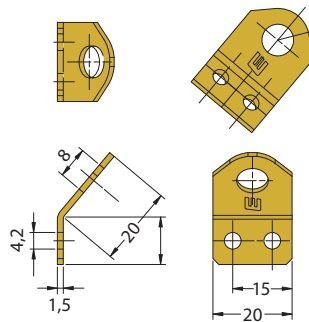


Fig. #8

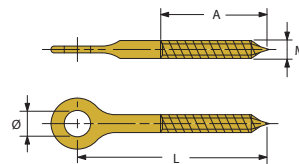


Fig. #9

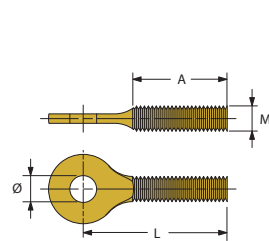


Fig. #10

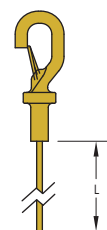


Fig. #14

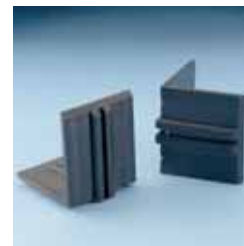


Fig. #7



Fig. #8



Fig. #9



Fig. #10



Fig. #11



Fig. #12

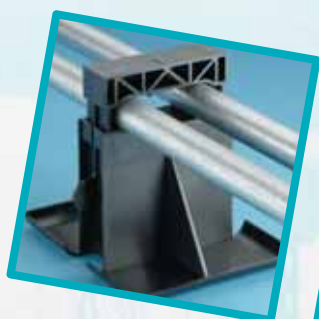


Fig. #13



Fig. #14





P. 28



P. 28



P. 29



P. 29



P. 30



P. 30



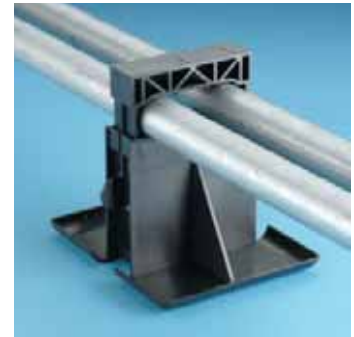
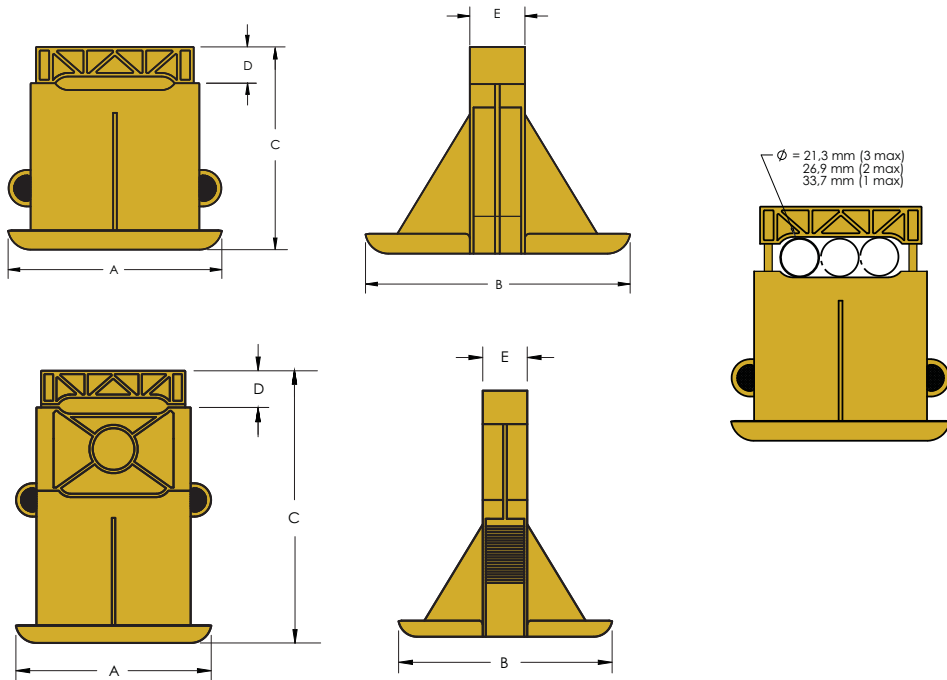
P. 31



P. 31

CADDY® PYRAMID 25

Icon	Icon	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Icon	Icon	P	Icon	Icon	SF
182450	PPRPS25H4	119	144	112	25	20	21.3-31.7	0.14 kg	P12	25	110 N	5:1
182460	PPRPS25H6	119	144	163	25	20	21.3-31.7	0.14 kg	P12	25	110 N	5:1



CADDY® PYRAMID 50

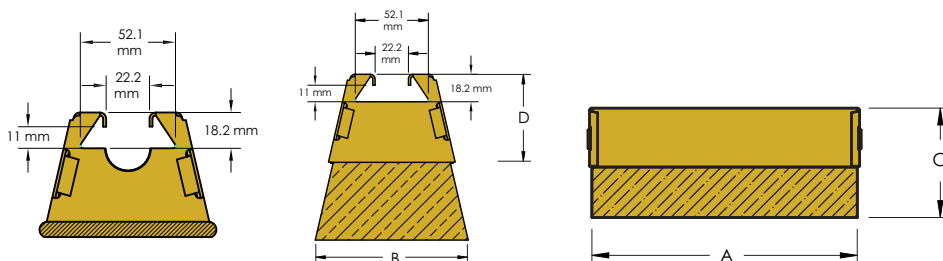
Icon	Icon	Fig. #	A (mm)	B (mm)	C (mm)	D (mm)	Icon	Icon	Icon	SF
P1										
182470	RPS50H4EG	1	264	101	101	68	0.70 kg	10	220 N	5:1
182480	RPS50H6EG	1	264	127	152	68	0.70 kg	10	220 N	5:1
P3										
182500	RPS50H4HD	1	264	101	101	68	0.70 kg	10	220 N	5:1
182510	RPS50H6HD	1	264	127	152	68	0.70 kg	10	220 N	5:1
P25										
182490	RPS50AHSV	2	264	84	-	68	0.70 kg	10	220 N	5:1



Fig. #1



Fig. #2



CADDY® PYRAMID 150

		Fig. #	A (mm)	B (mm)	C (mm)	D (mm)		∅		↓	SF
P1											
182680	RPS150T7	1	406	305	81	-	2.90 kg	M10	1	680 N	5:1
182690	RPS150T8	2	406	305	103	81	3.25 kg	M10	1	680 N	5:1
P22											
182580	RPS150T3	1	406	305	81	-	2.90 kg	M10	1	680 N	5:1
182590	RPS150T4	2	406	305	103	81	3.25 kg	M10	1	680 N	5:1

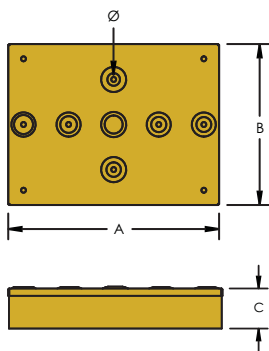


Fig. #1

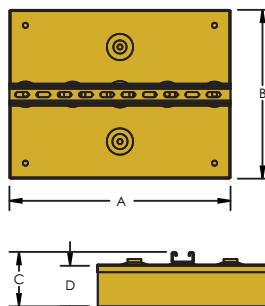


Fig. #2

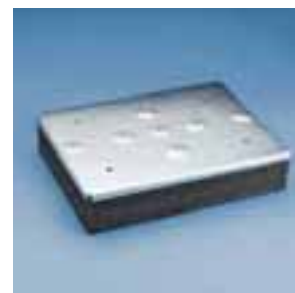
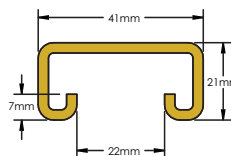


Fig. #1



Fig. #2



CADDY® PYRAMID 300

		Fig. #	A (mm)	B (mm)	C (mm)	D (mm)		∅		↓	SF
P1											
182700	RPS300T7	1	406	305	81	-	2.65 kg	M10	1	1350 N	5:1
182710	RPS300T8	2	406	305	103	81	3.00 kg	M10	1	1350 N	5:1
P22											
182620	RPS300T3	1	406	305	81	-	2.65 kg	M10	1	1350 N	5:1
182630	RPS300T4	2	406	305	103	81	3.00 kg	M10	1	1350 N	5:1

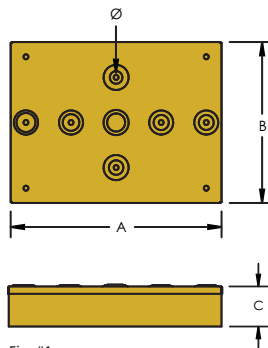


Fig. #1

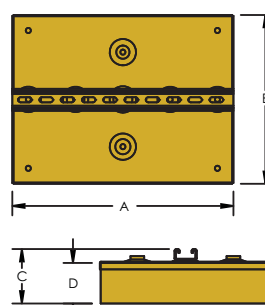


Fig. #2

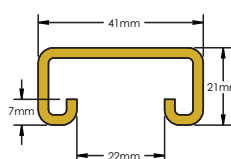


Fig. #1

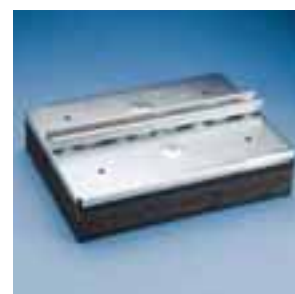
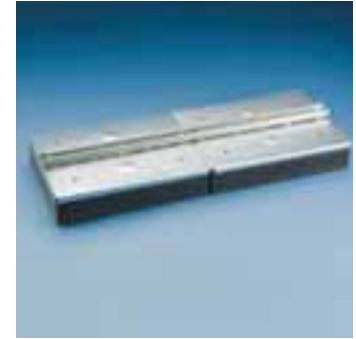
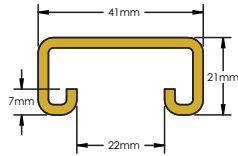
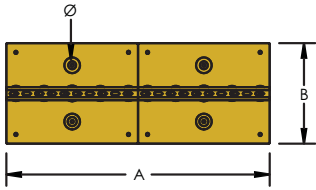


Fig. #2



CADDY® PYRAMID 600

🌐	📖	A (mm)	B (mm)	C (mm)	D (mm)	∅	🛒	P	📦	⬇️	SF
182720	RPSE600T8	820	305	100	81	M10	6.00 kg	P1	1	2700 N	5:1
182650	RPSE600T4	820	305	100	81	M10	6.00 kg	P22	1	2700 N	5:1



CADDY® PYRAMID EZ

🌐	📖	Fig. #	H (mm)	L (mm)	W (mm)	⚙️	Ⓢ	🛒	P	📦	⬇️
182365	RPSE1H24	1	44 - 104	102	152	25	33.4	0.90 kg	P24	20	756 N
182375	RPSE2H46	2	104 - 152	102	152	50	60.3	1.50 kg	P24	10	1112 N
182370	RPSE1H57	3	127 - 177	102	152	25	33.4	1.38 kg	P24	10	756 N

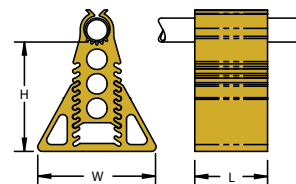
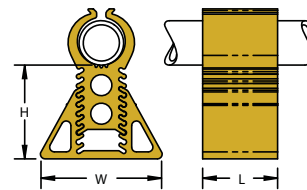
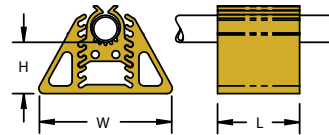


Fig. #1



Fig. #2



Fig. #3



CADDY® PYRAMID ST-A

🌐	📖	Fig. #	A (mm)	B (mm)	C (mm)	D (mm)	🛒	📦	P	⬇️	SF
360402	RPS360402	1	318	254	127 - 305	203	2.0 kg	608 cm ²	P3	4448 N	3:1
360405	RPS360405	2	470	406	127 - 406	203	3.0 kg	908 cm ²	P3	6672 N	3:1

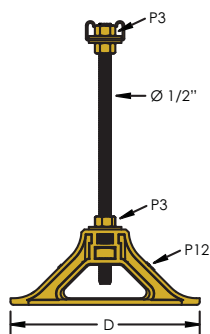
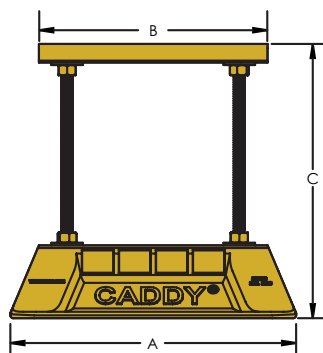


Fig. #1



Fig. #2

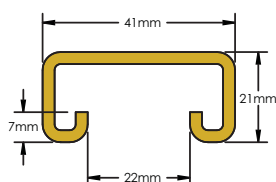


Fig. #1

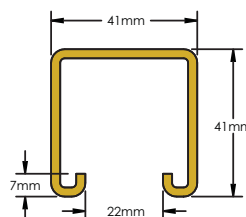


Fig. #2



CADDY® PYRAMID ST-F

📖	🌐	Fig. #	A (mm)	B (mm)	C (mm)	D (mm)	🛒	📦	P	📦	⬇️	SF
360400	RPS360400	1	318	254	102	203	1.3 kg	608 cm ²	P3	10	4448 N	3:1
360401	RPS360401	2	318	254	164	203	2.1 kg	608 cm ²	P3	10	4448 N	3:1
360403	RPS360403	3	470	406	102	203	2.0 kg	908 cm ²	P3	10	6672 N	3:1
360404	RPS360404	4	470	406	164	203	3.2 kg	908 cm ²	P3	10	6672 N	3:1

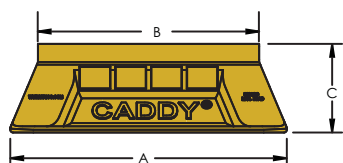


Fig. #1



Fig. #2

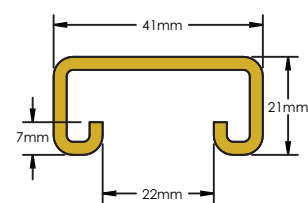
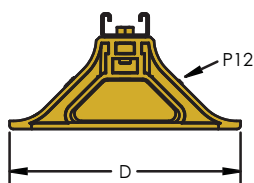


Fig. #1,3

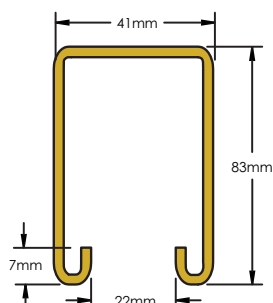


Fig. #2,4




Fig. #3



Fig. #4



CADDY® PYRAMID P1 1

		P	
182660	P11RPSCEG	P1	1
182670	P11RPSCHD	P3	1





P. 34



P. 36



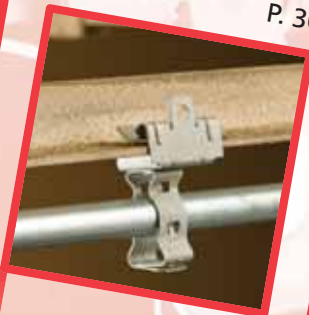
P. 38



P. 39



P. 42



P. 43



P. 44



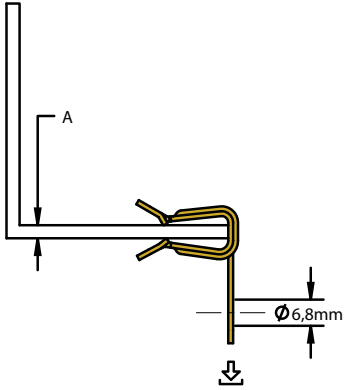
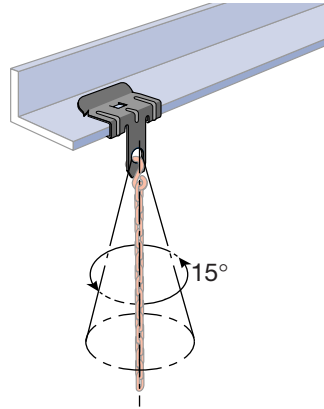
P. 47



H



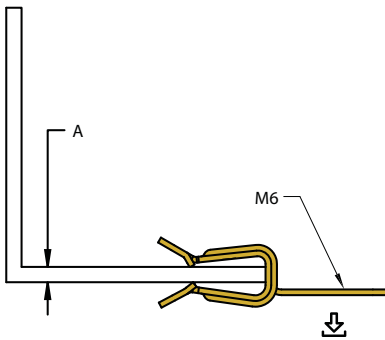
		A (mm)			
P21					
170010	2H4	2 - 3	100	-	700 N
170020	4H24	3 - 8	100	-	900 N
170030	4H58	8 - 14	100	-	900 N
170040	4H912	14 - 20	100	-	900 N
P2					
172320	4H24-2	3 - 8	250	10x25	900 N
172350	4H58-2	8 - 14	250	10x25	900 N
172380	4H912-2	14 - 20	250	10x25	900 N
179610	4H24-2	3 - 8	100	-	650 N
179620	4H58-2	8 - 14	100	-	650 N
179630	4H912-2	14 - 20	100	-	650 N



H-I



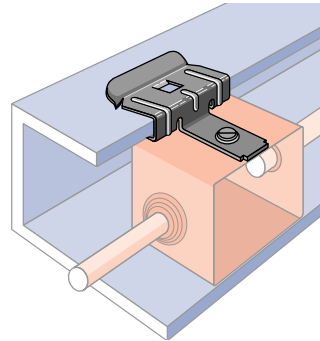
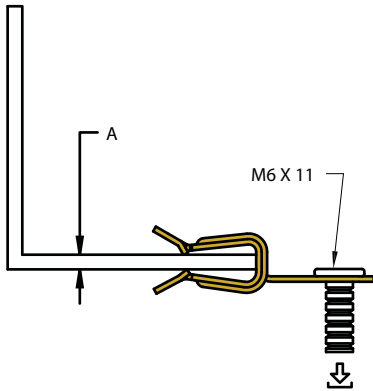
		A (mm)	P		
170150	4H24i	3 - 8	P21	100	150 N
170250	4H58i	8 - 14	P21	100	150 N



H-IX



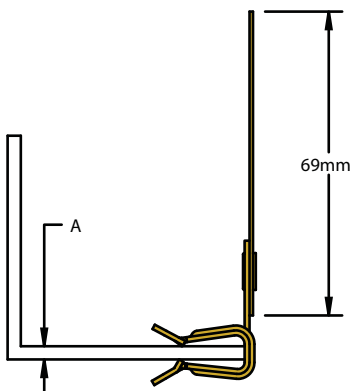
Icon	Icon	A (mm)	P	Icon	Icon
170140	4H24iX	3 - 8	P21	100	150 N
170160	4H58iX	8 - 14	P21	100	150 N



H-ST3



Icon	Icon	A (mm)	Icon	Icon
P21				
173420	2H4ST3	2 - 3	100	-
171500	4H24ST3	3 - 8	100	-
171530	4H58ST3	8 - 14	100	-
171640	4H912ST3	14 - 20	100	-
172340	4H24ST3	3 - 8	250	10x25
172370	4H58ST3	8 - 14	250	10x25
172400	4H912ST3	14 - 20	250	10x25
P2				
171480	4H24ST3-2	3 - 8	100	-
171540	4H58ST3-2	8 - 14	100	-
171550	4H912ST3-2	14 - 20	100	-



H-CA/CB



🌐	📖	Fig. #	A (mm)	∅ (mm)	P	📦
170460	2H4/1012A	1	2 - 3	10.9-13	P21	100
170470	2H4/1214A	1	2 - 3	12.4-16	P21	100
170480	4H24/1012A	1	3 - 8	10.9-13	P21	100
170630	4H24/1214A	1	3 - 8	12.4-16	P21	100
170830	2H4/1012B	2	2 - 3	10.9-13	P21	100
170840	2H4/1214B	2	2 - 3	12.4-16	P21 <td 100	
170640	4H24/1214B	2	3 - 8	12.4-16	P21	100
170850	4H24/1012B	2	3 - 8	10.9-13	P21	100

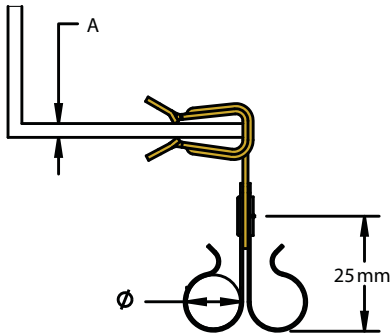


Fig. #1

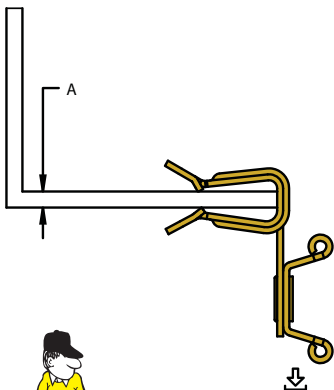
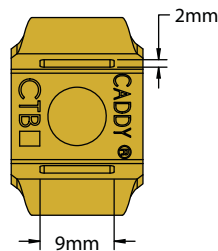


Fig. #2

H-CT



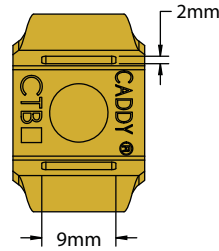
🌐	📖	A (mm)	📦	📦	⬇️
P21					
178510	2H4CT	2 - 3	100	-	150 N
178520	4H24CT	3 - 8	100	-	150 N
178530	4H58CT	8 - 14	100	-	150 N
178540	4H912CT	14 - 20	100	-	150 N
P2					
172330	4H24CT	3 - 8	250	10x25	150 N
172360	4H58CT	8 - 14	250	10x25	150 N
172390	4H912CT	14 - 20	250	10x25	150 N
P2					
160500	4H24CT-2	3 - 8	100	-	150 N
170430	4H58CT-2	8 - 14	100	-	150 N
170700	4H912CT-2	14 - 20	100	-	150 N



H-CTIN



Icon	Icon	A (mm)	P	Icon	Icon
178550	2H4CTIN	2 - 3	P21	100	150 N
160470	4H24CTIN	3 - 8	P21	100	150 N
160480	4H58CTIN	8 - 14	P21	100	150 N
160490	4H912CTIN	14 - 20	P21	100	150 N



H-CTB



Icon	Icon	Fig. #	A (mm)	B (mm)	Icon	Icon
P21						
170170	2H4CTBW	1	2 - 3	10 - 70	100	150 N
170180	4H24CTBW	1	3 - 8	10 - 70	100	150 N
170190	4H58CTBW	1	8 - 14	10 - 70	100	150 N
170200	4H912CTBW	1	14 - 20	10 - 70	100	150 N
170210	2H4CTBB	2	2 - 3	10 - 70	100	150 N
170220	4H24CTBB	2	3 - 8	10 - 70	100	150 N
170240	4H58CTBB	2	8 - 14	10 - 70	100	150 N
170260	4H912CTBB	2	14 - 20	10 - 70	100	150 N
P2						
170280	4H24CTBR-2	3	3 - 8	25 - 51	100	300 N
170300	4H58CTBR-2	3	8 - 14	25 - 51	100	300 N
170310	4H912CTBR-2	3	14 - 20	25 - 51	100	650 N

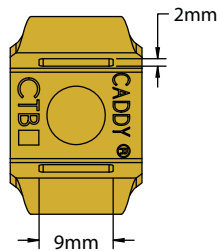
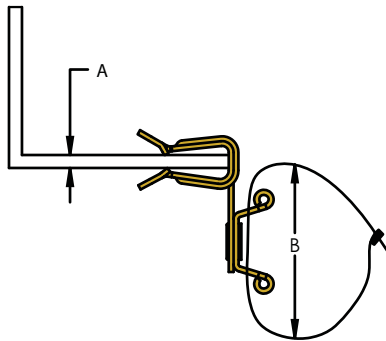


Fig. #1



Fig. #2

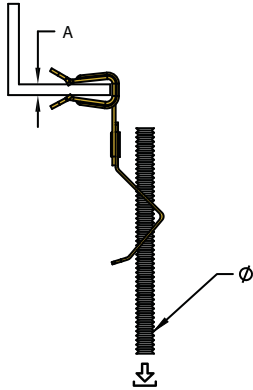


Fig. #3

H-MA



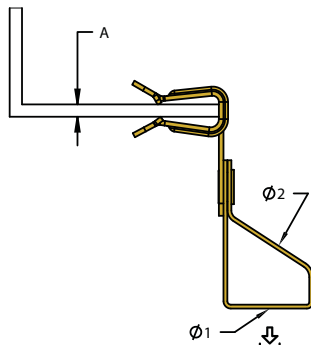
🌐	📖	A (mm)	Ø	P	📦	⬇️
173230	M6MA4	2 - 3	M6	P21	100	600 N
173240	M6MA24	3 - 8	M6	P21	100	600 N
173250	M6MA58	8 - 14	M6	P21	100	600 N
173260	M6MA912	14 - 20	M6	P21	100	600 N
173270	M8MA4	2 - 3	M8	P21	100	700 N
173280	M8MA24	3 - 8	M8	P21	100	700 N
173290	M8MA58	8 - 14	M8	P21	100	700 N
173300	M8MA912	14 - 20	M8	P21	100	700 N
173310	M10MA4	2 - 3	M10	P21	100	700 N
173320	M10MA24	3 - 8	M10	P21	100	700 N
173330	M10MA58	8 - 14	M10	P21	100	700 N
173340	M10MA912	14 - 20	M10	P21	100	700 N



H-Ti/T



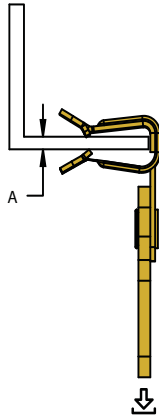
🌐	📖	A (mm)	Ø 1	Ø 2 (mm)	P	📦	📦	⬇️
174810	M6Ti4	2 - 3	M6	11x15	P21	100	-	700 N
174820	M6Ti24	3 - 8	M6	11x15	P21	100	-	900 N
174830	M6Ti58	8 - 14	M6	11x15	P21	100	-	900 N
174840	M6Ti912	14 - 20	M6	11x15	P21	100	-	900 N
174900	M8Ti4	2 - 3	M8	11x15	P21	100	-	700 N
174910	M8Ti24	3 - 8	M8	11x15	P21	100	-	900 N
174920	M8Ti58	8 - 14	M8	11x15	P21	100	-	900 N
174930	M8Ti912	14 - 20	M8	11x15	P21	100	-	900 N
174990	M10Ti4	2 - 3	M10	11x15	P21	100	-	700 N
175000	M10Ti24	3 - 8	M10	11x15	P21	100	-	900 N
175010	M10Ti58	8 - 14	M10	11x15	P21	100	-	900 N
175020	M10Ti912	14 - 20	M10	11x15	P21	100	-	900 N
175860	M6Ti24	3 - 8	M6	11x15	P21	250	10x25	900 N
175870	M6Ti58	8 - 14	M6	11x15	P21	250	10x25	900 N
160000	TI04	2 - 3	11 mm	11x15	P21	100	-	700 N
160010	TI024	3 - 8	11 mm	11x15	P21	100	-	900 N
160020	TI058	8 - 14	11 mm	11x15	P21	100	-	900 N
160030	TI0912	14 - 20	11 mm	11x15	P21	100	-	900 N



H-S



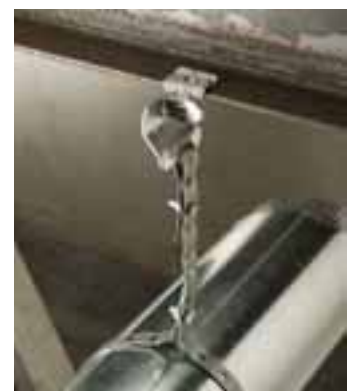
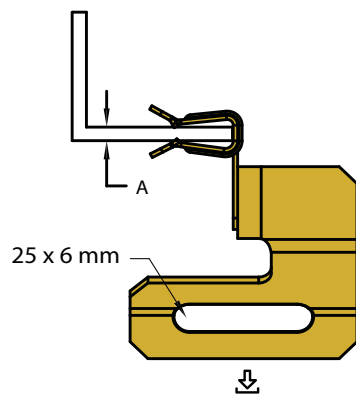
Icon	Icon	A (mm)	P	Icon	Icon
175480	S4	2 - 3	P21	100	700 N
172030	S24	3 - 8	P21	100	900 N
171760	S58	8 - 14	P21	100	900 N
171770	S912	14 - 20	P21	100	900 N



H-SR



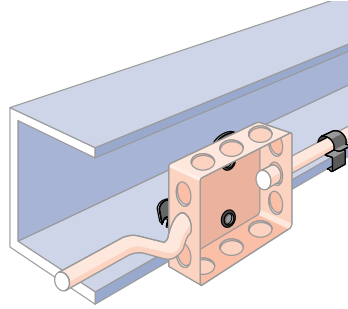
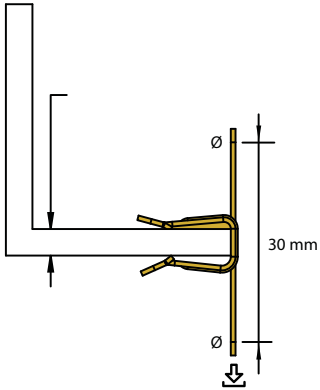
Icon	Icon	A (mm)	P	Icon	Icon
175540	SR4	2 - 3	P21	100	700 N
171810	SR24	3 - 8	P21	100	900 N
175550	SR58	8 - 14	P21	100	900 N
172020	SR912	14 - 20	P21	100	900 N



H-DI



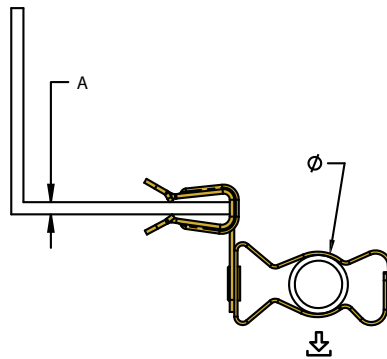
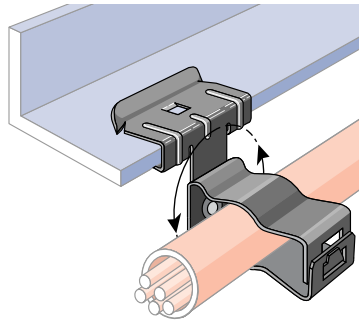
🌐	📖	A (mm)	Ø (mm)	P	📦	↓
350000	4H24Di	3 - 6	5.1	P21	100	150 N



H-MSM



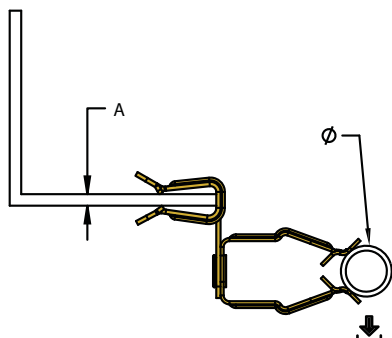
🌐	📖	A (mm)	Ø (mm)	📦	↓
P21					
173630	6M4SM	2 - 3	14-18	100	120 N
173640	6M24SM	3 - 8	14-18	100	120 N
171980	6M58SM	8 - 14	14-18	100	120 N
173650	6M912SM	14 - 20	14-18	100	120 N
160040	812M4SM	2 - 3	18-30	100	120 N
160050	812M24SM	3 - 8	18-30	100	120 N
160060	812M58SM	8 - 14	18-30	100	120 N
160070	812M912SM	14 - 20	18-30	100	120 N
173710	16M4SM	2 - 3	30-35	100	120 N
173720	16M24SM	3 - 8	30-35	100	120 N
173730	16M58SM	8 - 14	30-35	100	120 N
173740	16M912SM	14 - 20	30-35	50	120 N
173750	20M4SM	2 - 3	35-42	50	120 N
171720	20M24SM	3 - 8	35-42	100	120 N
173770	20M58SM	8 - 14	35-42	100	120 N
173780	20M912SM	14 - 20	35-42	100	120 N
173790	24M4SM	2 - 3	42-50	50	120 N
176690	24M24SM	3 - 8	42-50	50	120 N
173800	24M58SM	8 - 14	42-50	50	120 N
173810	24M912SM	14 - 20	42-50	50	120 N
173820	32M4SM	2 - 3	50-60	50	120 N
173830	32M24SM	3 - 8	50-60	50	120 N
173840	32M58SM	8 - 14	50-60	50	120 N
173850	32M912SM	14 - 20	50-60	50	120 N
P2					
179650	8M24SM-2	3 - 8	18-22	100	90 N
179660	8M58SM-2	8 - 14	18-22	100	90 N
179670	8M912SM-2	14 - 20	18-22	100	90 N
179690	12M24SM-2	3 - 8	22-30	100	90 N
179700	12M58SM-2	8 - 14	22-30	100	90 N
179710	12M912SM-2	14 - 20	22-30	100	90 N



H-PSM



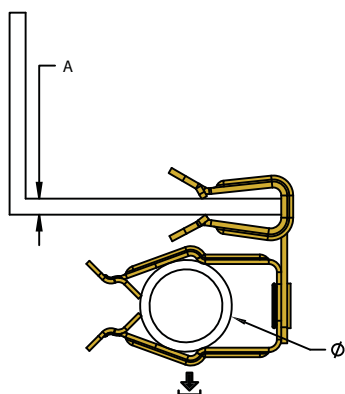
		A (mm)	Ø (mm)	P		↓
175170	8P4SM	2 - 3	18-22	P21	100	70 N
175180	8P24SM	3 - 8	18-22	P21	100	70 N
175190	8P58SM	8 - 14	18-22	P21	100	70 N
175200	8P912SM	14 - 20	18-22	P21	100	70 N
175210	12P4SM	2 - 3	22-30	P21	100	70 N
175220	12P24SM	3 - 8	22-30	P21	100	70 N
175230	12P58SM	8 - 14	22-30	P21	100	70 N
175240	12P912SM	14 - 20	22-30	P21	50	70 N
175250	16P4SM	2 - 3	30-35	P21	100	70 N
175260	16P24SM	3 - 8	30-35	P21	100	70 N
175270	16P58SM	8 - 14	30-35	P21	100	70 N
175280	16P912SM	14 - 20	30-35	P21	50	70 N



H-PIN

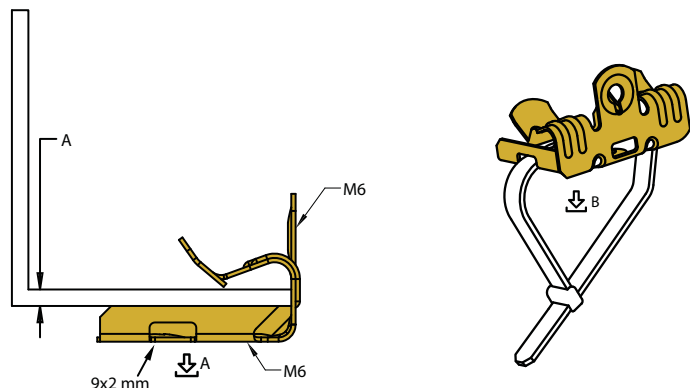


		A (mm)	Ø (mm)	P		↓
175290	8P4iN	2 - 3	18-22	P21	100	70 N
175300	8P24iN	3 - 8	18-22	P21	100	70 N
175310	8P58iN	8 - 14	18-22	P21	100	70 N
175320	12P4iN	2 - 3	22-30	P21	100	70 N
175330	16P4iN	2 - 3	30-35	P21	100	70 N

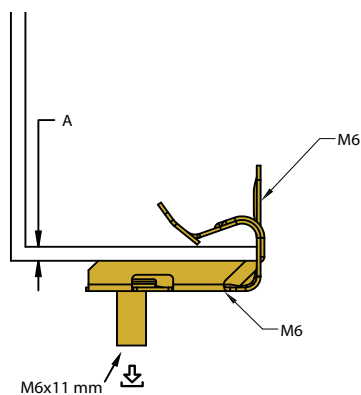
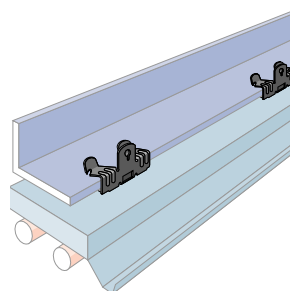




		A (mm)			↓ A	↓ B
P21						
170050	EM24	3 - 8	100	-	450	150
170060	EM58	8 - 14	100	-	450	150
170070	EM912	14 - 20	100	-	450	150
P2						
172170	EM24	3 - 8	250	10x25	450	150
172180	EM58	8 - 14	250	10x25	450	150
175760	EM912	14 - 20	250	10x25	450	150



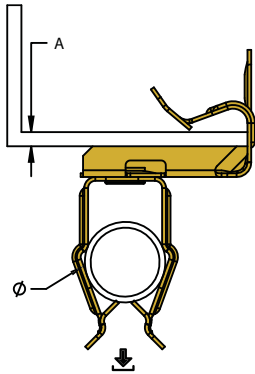
		A (mm)			↓
P21					
170530	EM24SM	3 - 8	100	-	330 N
172060	EM58SM	8 - 14	100	-	330 N
171850	EM912SM	14 - 20	100	-	330 N
160440	EM24SM16	3 - 8	100	-	330 N
160450	EM58SM16	8 - 14	100	-	330 N
160460	EM912SM16	14 - 20	100	-	330 N
P2					
172220	EM24SM16	3 - 8	100	10x10	330 N
172230	EM58SM16	8 - 14	100	10x10	330 N
172240	EM912SM16	14 - 20	100	10x10	330 N
P2					
179750	EM24SM-2	3 - 8	100	-	200 N
179760	EM58SM-2	8 - 14	100	-	200 N
179770	EM912SM-2	14 - 20	100	-	200 N



EM-P



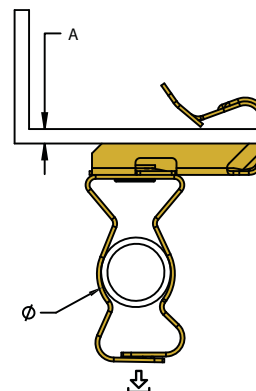
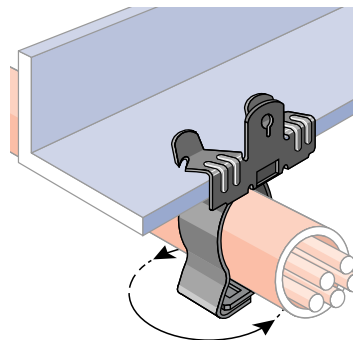
🌐	📖	A (mm)	Ø (mm)	P	📦	↓
172150	8EP24	3 - 8	18-22	P21	100	110 N
172160	8EP58	8 - 14	18-22	P21	100	110 N
175100	8EP912	14 - 20	18-22	P21	50	110 N
175110	12EP24	3 - 8	22-30	P21	100	110 N
175120	12EP58	8 - 14	22-30	P21	100	110 N
175130	12EP912	14 - 20	22-30	P21	50	110 N
175140	16EP24	3 - 8	30-35	P21	100	110 N
175150	16EP58	8 - 14	30-35	P21	50	110 N
175160	16EP912	14 - 20	30-35	P21	50	110 N



EM-M

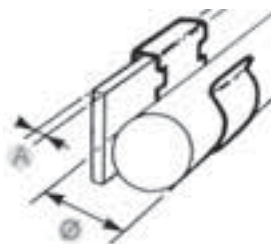


🌐	📖	A (mm)	Ø (mm)	P	📦	↓
P21						
173550	6EM24	3 - 8	14-18	P21	100	330 N
171750	6EM58	8 - 14	14-18	P21	100	330 N
173560	6EM912	14 - 20	14-18	P21	50	330 N
160120	812EM24	3 - 8	18-30	P21	50	330 N
160130	812EM58	8 - 14	18-30	P21	50	330 N
160140	812EM912	14 - 20	18-30	P21	50	330 N
171740	16EM24	3 - 8	30-35	P21	50	330 N
171490	16EM58	8 - 14	30-35	P21	50	330 N
173570	16EM912	14 - 20	30-35	P21	50	330 N
171800	20EM24	3 - 8	35-42	P21	50	330 N
171950	20EM58	8 - 14	35-42	P21	50	330 N
173580	20EM912	14 - 20	35-42	P21	50	330 N
171960	24EM24	3 - 8	42-50	P21	50	330 N
171970	24EM58	8 - 14	42-50	P21	50	330 N
173590	24EM912	14 - 20	42-50	P21	50	330 N
173600	32EM24	3 - 8	50-60	P21	50	330 N
173610	32EM58	8 - 14	50-60	P21	50	330 N
173620	32EM912	14 - 20	50-60	P21	50	330 N
P2						
179780	8EM24-2	3 - 8	18-22	P2	100	200 N
179790	8EM58-2	8 - 14	18-22	P2	50	200 N
179800	8EM912-2	14 - 20	18-22	P2	50	200 N
179810	12EM24-2	3 - 8	22-30	P2	50	200 N
179820	12EM58-2	8 - 14	22-30	P2	50	200 N
179830	12EM912-2	14 - 20	22-30	P2	50	200 N

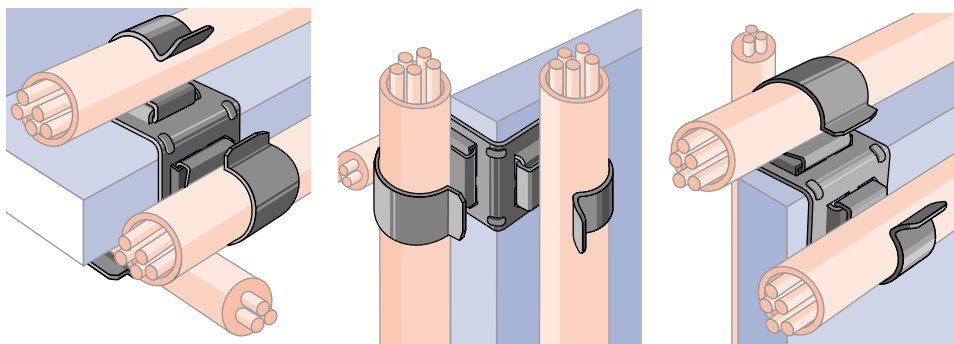
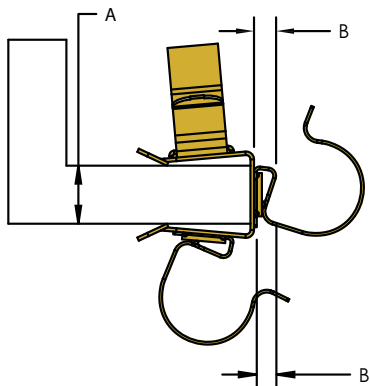




🌐	📖	A (mm)	∅ (mm)	P	📦
187510	24SC67	2 - 4	6 - 7	P21	100
187710	24SC78	2 - 4	7 - 8	P21	100
187530	24SC89	2 - 4	8 - 9	P21	100
187750	24SC910	2 - 4	9 - 10	P21	100
187550	24SC1011	2 - 4	10 - 11	P21	100
187570	24SC1214	2 - 4	12 - 14	P21	100
187590	24SC1518	2 - 4	15 - 18	P21	100
187610	24SC1924	2 - 4	19 - 24	P21	100
187630	24SC2530	2 - 4	25 - 32	P21	100
187500	47SC67	4 - 7	6 - 7	P21	100
187720	47SC78	4 - 7	7 - 8	P21	100
187520	47SC89	4 - 7	8 - 9	P21	100
187760	47SC910	4 - 7	9 - 10	P21	100
187540	47SC1011	4 - 7	10 - 11	P21	100
187560	47SC1214	4 - 7	12 - 14	P21	100
187580	47SC1518	4 - 7	15 - 18	P21	100
187600	47SC1924	4 - 7	19 - 24	P21	100
187620	47SC2530	4 - 7	25 - 32	P21	100
187640	812SC67	8 - 12	6 - 7	P21	100
187730	812SC78	8 - 12	7 - 8	P21	100
187650	812SC89	8 - 12	8 - 9	P21	100
187770	812SC910	8 - 12	9 - 10	P21	100
187660	812SC1011	8 - 12	10 - 11	P21	100
187670	812SC1214	8 - 12	12 - 14	P21	100
187680	812SC1518	8 - 12	15 - 18	P21	100
187690	812SC1924	8 - 12	19 - 24	P21	100
187700	812SC2530	8 - 12	25 - 32	P21	100



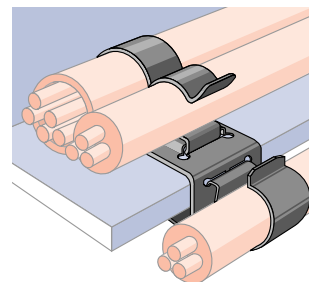
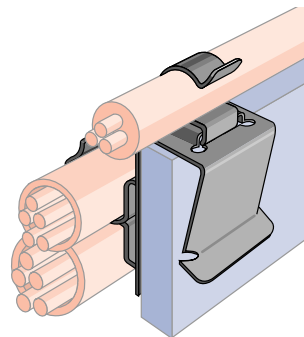
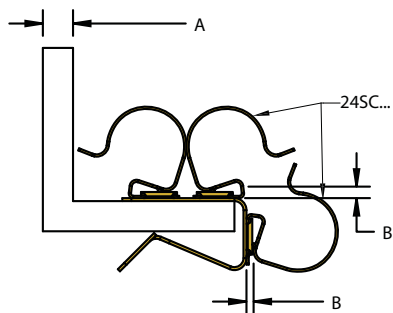
🌐	📖	A (mm)	B (mm)	P	📦
160510	SCA	13 - 20	2 - 4	P21	100



SCB



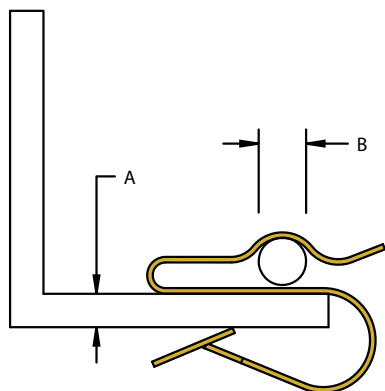
Icon	Icon	A (mm)	B (mm)	P	Icon	Icon
188080	SCB312	3 - 12	2 - 4	P21	100	-
188090	SCB1220	12 - 20	2 - 4	P21	100	-
172470	SCB312	3 - 12	2 - 4	P21	250	10x25
172480	SCB1220	12 - 20	2 - 4	P21	250	10x25



HK

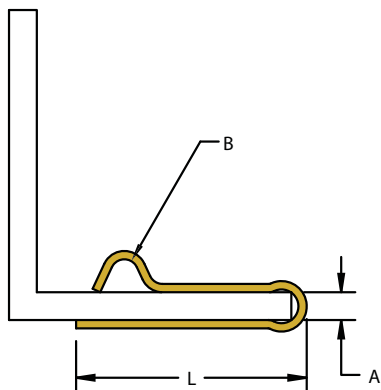


Icon	Icon	A (mm)	B (mm)	P	Icon
187440	HK21	1.5 - 4.5	4.2 - 6.5	P1	100
187450	HK22	4.0 - 8.0	4.2 - 6.5	P1	100
187460	HK23	8.0 - 11.0	4.2 - 6.5	P1	100





🌐	📖	A (mm)	B (mm)	L (mm)	P	🏠
188190	87182	5	10	40	P1	100
188200	87186	6	8	65	P1	100



LF



🌐	📖	Fig. #	A (mm)	L (mm)	P	🏠
187400	LF2	1	5 - 12	45	P1	100
187410	LF3	1	12 - 20	53	P1	100
187420	LF4	2	3 - 6	42	P1	100
187430	LF5	2	6 - 12	49	P1	100

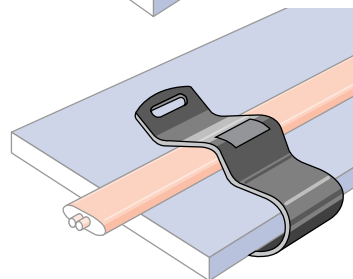
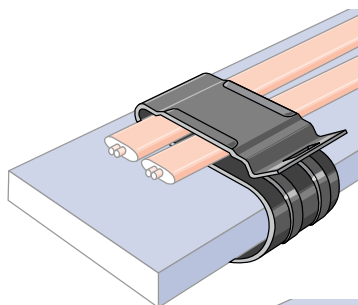
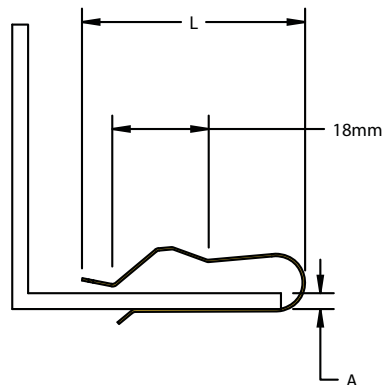
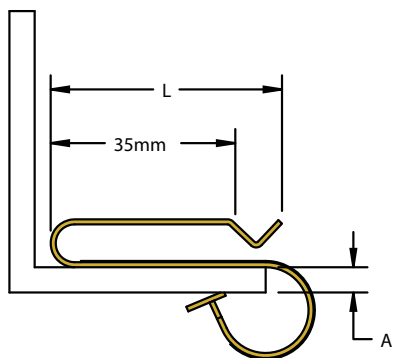


Fig. #1



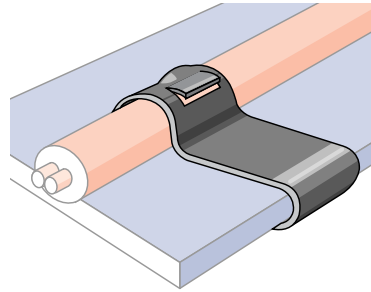
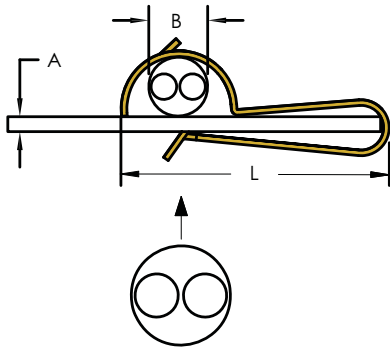
Fig. #2



LR



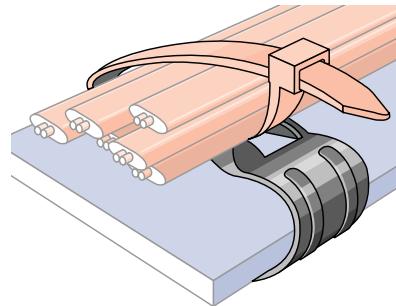
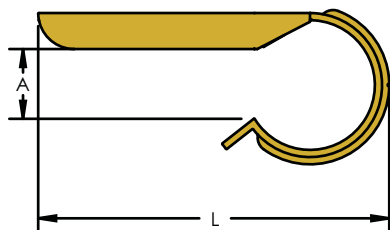
Icon	Code	A (mm)	B (mm)	L (mm)	P	Q
🌐	LR1	3 - 6	8 - 15	36	P1	100
📖	LR2	6 - 12	8 - 15	36	P1	100



LB3B



Icon	Code	A (mm)	B (mm)	L (mm)	P	Q
🌐	LB3B	12 - 20	<8	52	P1	100

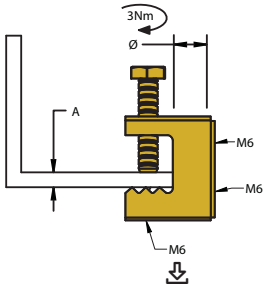




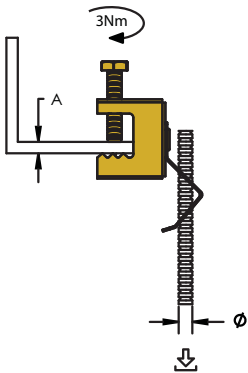




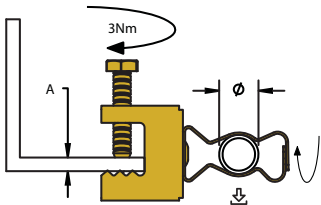
Icon	Icon	A (mm)	Ø (mm)	P	Icon	Icon	Icon
170380	EBC	<16	10.5	P21	100	-	450 N
172430	EBC	<16	10.5	P21	250	10x25	450 N



Icon	Icon	A (mm)	Ø	P	Icon	Icon
172990	EBCM6MA	<16	M6	P21	100	250 N
173000	EBCM8MA	<16	M8	P21	100	250 N
173010	EBCM10MA	<16	M10	P21	100	250 N



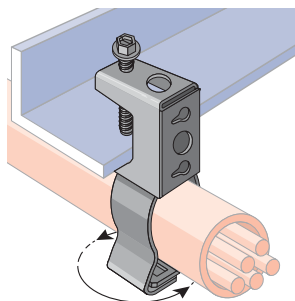
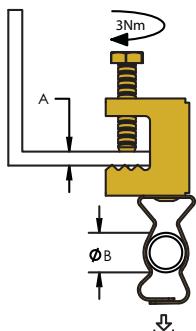
Icon	Icon	A (mm)	Ø (mm)	P	Icon	Icon
172650	EBC6MSM	<16	14 - 18	P21	100	110 N
160180	EBC812MSM	<16	18 - 30	P21	100	110 N
172660	EBC16MSM	<16	30 - 35	P21	100	110 N
172670	EBC20MSM	<16	35 - 42	P21	50	110 N
172680	EBC24MSM	<16	42 - 50	P21	50	110 N
172690	EBC32MSM	<16	50 - 60	P21	50	110 N



EBC-M



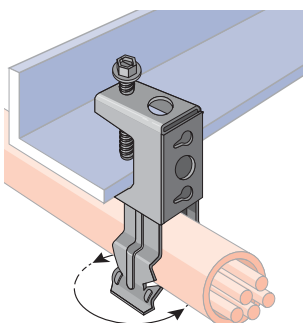
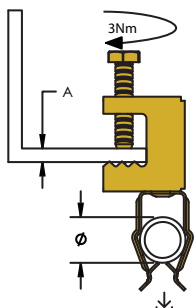
Icon	Icon	A (mm)	Ø (mm)	P	Icon	Icon
172580	EBC6M	<16	14-18	P21	100	450 N
160200	EBC812M	<16	18-30	P21	100	450 N
172590	EBC16M	<16	30-35	P21	100	450 N
172600	EBC20M	<16	35-42	P21	50	450 N
172610	EBC24M	<16	42-50	P21	50	450 N
172620	EBC32M	<16	50-60	P21	50	450 N



EBC-P



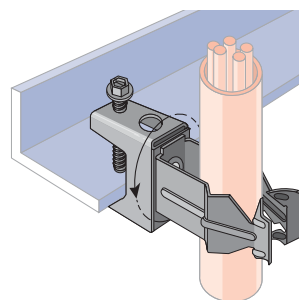
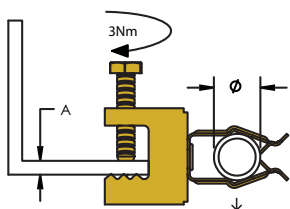
Icon	Icon	A (mm)	Ø (mm)	P	Icon	Icon
172700	EBC8P	<16	18 - 22	P21	100	110 N
172710	EBC12P	<16	22 - 30	P21	100	110 N
172720	EBC16P	<16	30 - 35	P21	100	110 N



EBC-PSM



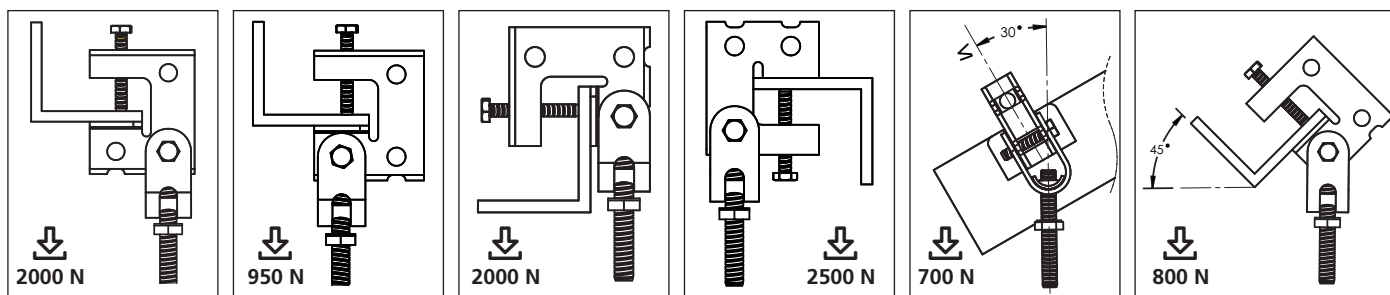
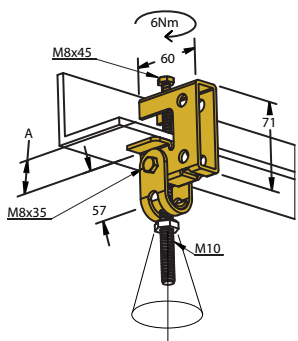
Icon	Icon	A (mm)	Ø (mm)	P	Icon	Icon
172730	EBC8PSM	<16	18 - 22	P21	100	70 N
172740	EBC12PSM	<16	22 - 30	P21	100	70 N
172750	EBC16PSM	<16	30 - 35	P21	100	70 N



HB2



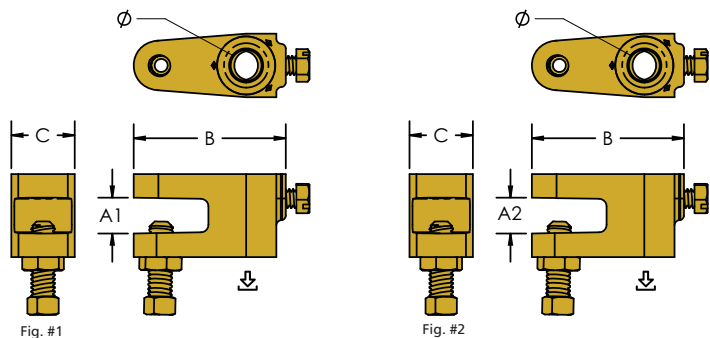
		A (mm)		
P1				
336030	HB2-1	<24	50	-
175880	HB2-1	<24	30	10x3
P3				
336040	HB2-3	<24	50	-
175890	HB2-3	<24	30	10x3



CADDY® ROD LOCK

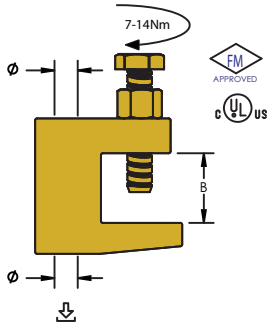


	Fig. #	B (mm)	C (mm)	Ø	P		↓
390001 / CRLBM8EG							
A1 (mm)	3-9	1	51	21	M8	P1	1100 N
A2 (mm)	9.5-11.5	2	51	21	M8	P1	1400 N
390002 / CRLBM10EG							
A1 (mm)	3-9	1	51	21	M10	P1	1100 N
A2 (mm)	9.5-11.5	2	51	21	M10	P1	2200 N





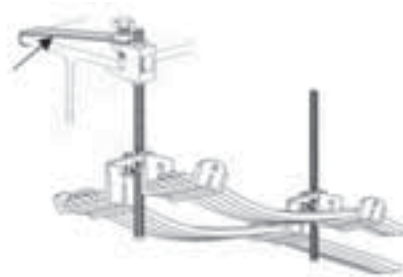
🌐	📖	B (mm)	Ø	P	📦	📦	⬇️	SF	
386805	TKN M6	18	M6	P1	140	-	1200 N	3:1	-
389500	TKN 8	18	9 mm	P1	100	-	1200 N	3:1	UL, VdS
386810	TKN M8	18	M8	P1	100	-	1200 N	3:1	UL, VdS
389510	TKN 10	20	11 mm	P1	100	-	2500 N	3:1	UL, VdS, FM
386820	TKN M10	20	M10	P1	100	-	2500 N	3:1	UL, VdS, FM
389520	TK 12	26	13 mm	P1	80	-	3500 N	3:1	UL, VdS
386830	TK M12	26	M12	P1	80	-	3500 N	3:1	UL, VdS, FM
175910	TKNM6	18	M6	P1	50	10x5	1200 N	3:1	-
175830	TKN8	18	9 mm	P1	50	10x5	1200 N	3:1	UL, VdS, FM
175840	TKN10	20	11 mm	P1	50	10x5	2500 N	3:1	UL, VdS, FM



SL



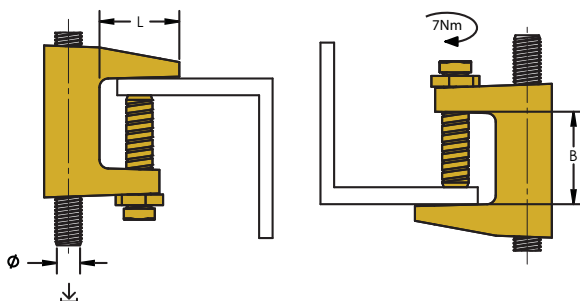
🌐	📖	B (mm)	L (mm)	P	📦
590240	SL 25x2,5x350	25	350	P1	50



BTK



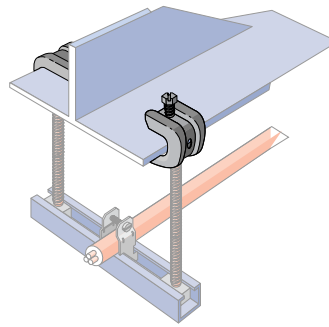
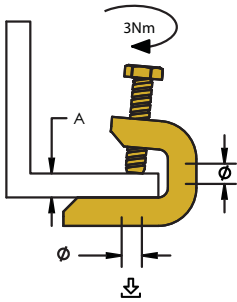
🌐	📖	B (mm)	Ø	L (mm)	P	📦	⬇️	
389890	BTK M10	31.8	M10	21.4	P1	50	2800 N	UL, VdS, FM
388890	BTK M12	31.8	M12	18.9	P1	50	5100 N	UL, VdS, FM



BC 200



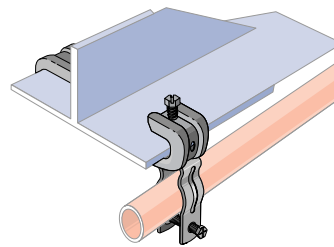
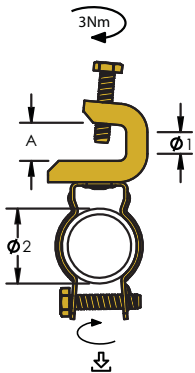
		A (mm)	Ø	P		
181180	BC200	16	M6	P1	50	550 N



BC 200 CDB



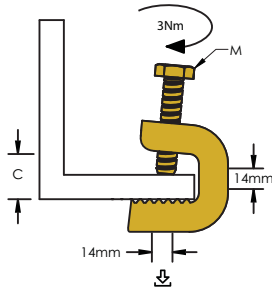
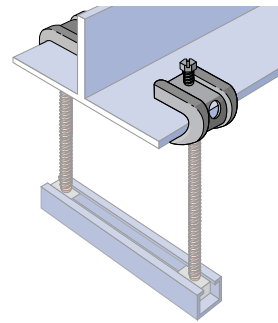
		A (mm)	Ø 1	Ø 2 (mm)	P		
182210	BC200/CD0B	<16	M6	17-22	P1	50	440 N
182220	BC200/CD1B	<16	M6	19-25	P1	50	440 N
182230	BC200/CD2B	<16	M6	25-33	P1	50	440 N
182240	BC200/CD2.5B	<16	M6	31-38	P1	50	440 N
182250	BC200/CD3B	<16	M6	36-43	P1	50	440 N



C

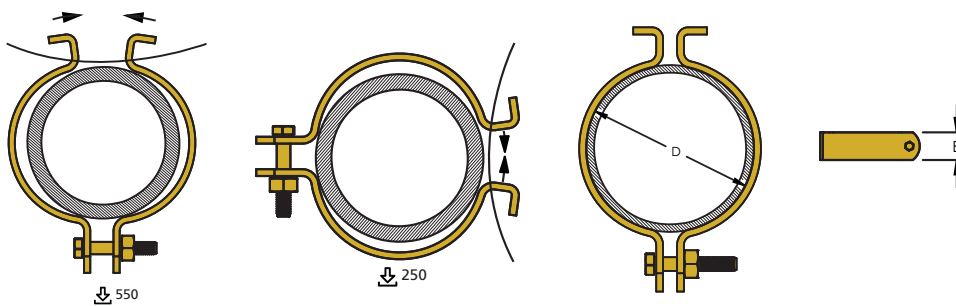
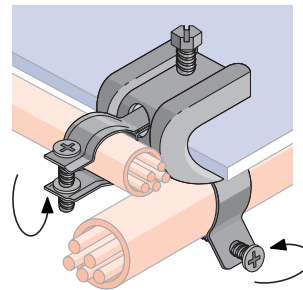


		C (mm)	M (mm)		
P3					
336100	C20-3	20	6 x 25	100	1100 N
336110	C30-3	30	8 x 30	100	1100 N
336120	C45-3	45	8 x 30	50	1100 N
P2					
336130	C20-2	20	6 x 25	100	1100 N
336140	C30-2	30	8 x 30	100	1100 N
336150	C45-2	45	8 x 30	50	1100 N



CR

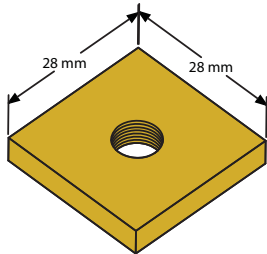
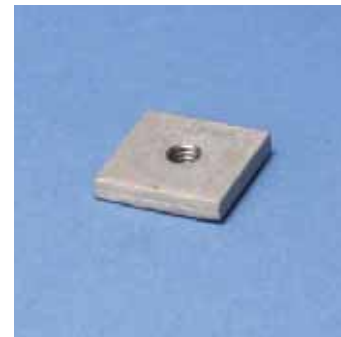
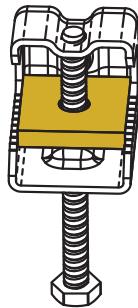
		B (mm)	D (mm)	
P3				
336300	CR17-3	16	16.0 - 20.0	200
336310	CR21-3	16	20.4 - 25.0	100
336320	CR28-3	16	26.9 - 31.8	100
336330	CR37-3	20	33.7 - 38.0	50
336340	CR42-3	20	40.0 - 44.5	50
336350	CR48-3	20	47.0 - 51.0	50
336360	CR60-3	20	59.2 - 63.5	25
P2				
336400	CR17-2	16	16.0 - 20.0	200
336410	CR21-2	16	20.4 - 25.0	100
336420	CR28-2	16	26.9 - 31.8	100
336430	CR37-2	20	33.7 - 38.0	50
336440	CR42-2	20	40.0 - 44.5	50
336450	CR48-2	20	47.0 - 51.0	50
336460	CR60-2	20	59.2 - 63.5	25



C, 5000

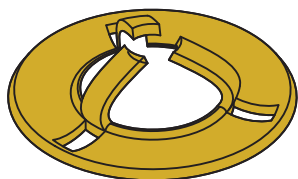
SM

🌐	📖	M	📦
P3			
336160	SM6	M6	100
336170	SM8	M8	100
P2			
336180	SM6-2	M6	100
336190	SM8-2	M8	100



SPP

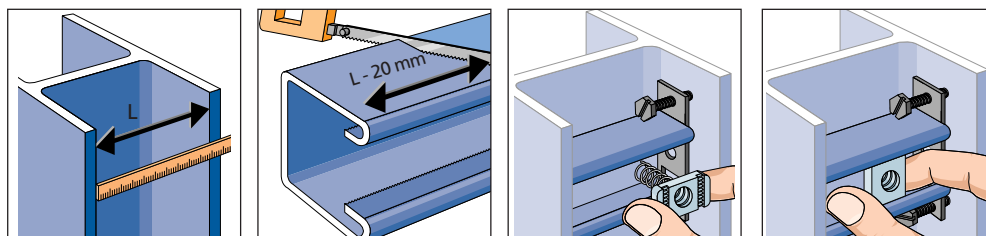
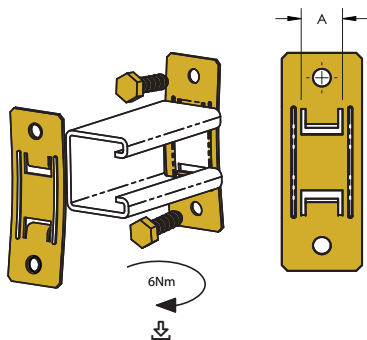
🌐	📖	M	📦
P3			
336200	SPP6	M6	100
336210	SPP 8	M8	100
P2			
336220	SPP 6-2	M6	100
336230	SPP 8-2	M8	100



INC8

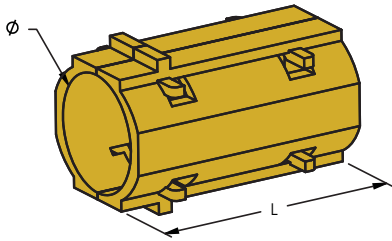


🌐	📖	A (mm)	P	📦	📦	⬇️
336290	INC8	13	P21	100	-	450 N
175900	INC8	13	P21	100	10x10	450 N



C-HW

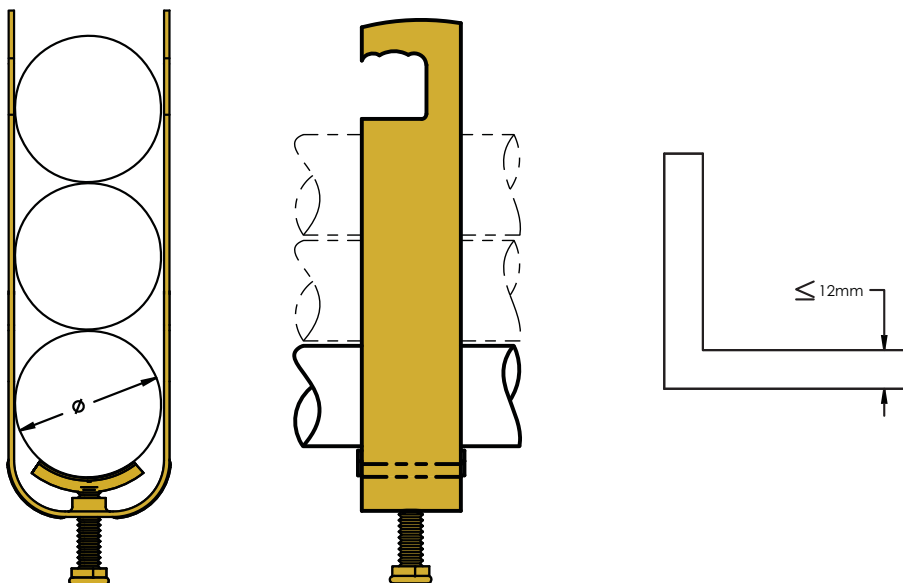
		Ø (mm)	L (mm)	P	
338001	C20HW	17	55	P13	50
338002	C32HW	29	60	P13	25
338003	C44HW	39	60	P13	25
338004	C56HW	51	60	P13	25



C-2/3EU

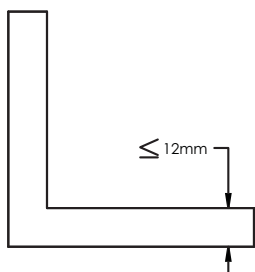
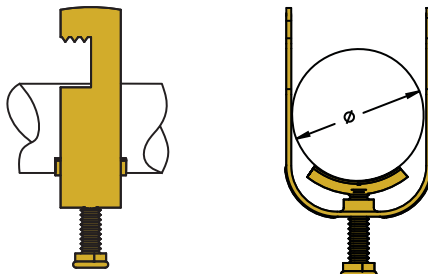
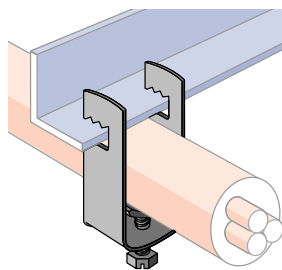
C-2/3EU

		Ø (mm)		P	
337305	C12-2EU	8 - 12	2	P3	100
337315	C16-2EU	12 - 16	2	P3	100
337325	C20-2EU	16 - 20	2	P3	100
337355	C32-2EU	28 - 32	2	P3	100
337385	C44-2EU	40 - 44	2	P3	100
337415	C52-2EU	48 - 52	2	P3	50
337306	C12-3EU	8 - 12	3	P3	100
337316	C16-3EU	12 - 16	3	P3	100
337326	C20-3EU	16 - 20	3	P3	100
337356	C32-3EU	28 - 32	3	P3	100
337366	C44-3EU	40 - 44	3	P3	100
337416	C52-3EU	48 - 52	3	P3	50



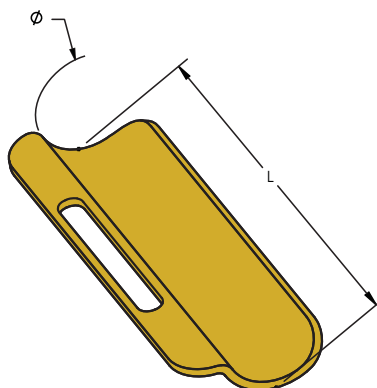


🌐	📖	∅ (mm)	P	📦
337300	C 12EU	6 - 12	P3	100
337310	C 16EU	12 - 16	P3	100
337320	C 20EU	16 - 20	P3	100
337330	C 24EU	20 - 24	P3	100
337340	C 28EU	24 - 28	P3	100
337350	C 32EU	28 - 32	P3	100
337360	C 36EU	32 - 36	P3	100
337370	C 40EU	36 - 40	P3	100
337380	C 44EU	40 - 44	P3	100
337390	C 48EU	44 - 48	P3	100
337400	C 52EU	48 - 52	P3	50
337410	C 56EU	52 - 56	P3	50
337420	C 60EU	56 - 60	P3	50
337430	C 64EU	60 - 64	P3	50
337440	C 70EU	64 - 70	P3	50
337450	C 76EU	70 - 76	P3	25
337460	C 82EU	76 - 82	P3	25
337470	C 88EU	82 - 88	P3	25
337480	C 94EU	88 - 94	P3	25
337490	C100EU	94 - 100	P3	25



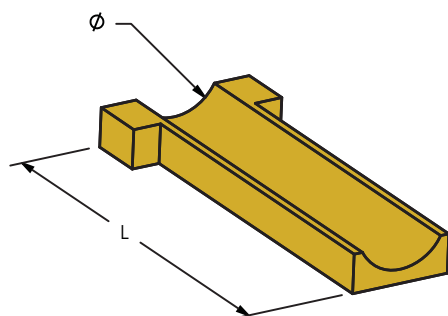
C-LW

🌐	📖	∅ (mm)	L (mm)	P	📦
339500	C12LW	9 - 12	70	P1	100
339510	C16LW	13 - 16	70	P1	100
339520	C20LW	17 - 20	70	P1	100
339530	C24LW	21 - 24	70	P1	100
339540	C28LW	25 - 28	70	P1	100
339550	C32LW	29 - 32	70	P1	100
339560	C36LW	33 - 36	70	P1	100
339570	C40LW	37 - 40	70	P1	100
339580	C44LW	41 - 44	70	P1	100
339590	C48LW	45 - 48	70	P1	100
339600	C52LW	49 - 52	70	P1	100
339610	C56LW	53 - 56	70	P1	100
339620	C60LW	57 - 60	70	P1	100
339630	C64LW	61 - 64	70	P1	100
339640	C70LW	65 - 70	70	P1	100
339650	C76LW	71 - 76	70	P1	100
339660	C82LW	77 - 82	100	P1	100
339670	C88LW	83 - 88	100	P1	100
339680	C94LW	89 - 94	100	P1	100
339690	C100LW	95 - 100	100	P1	100



C-GW

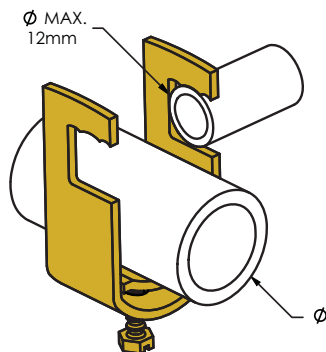
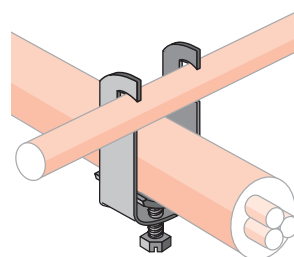
🌐	📖	∅ (mm)	L (mm)	P	📦
337800	C12GW	9 - 12	40	P13	100
337810	C16GW	13 - 16	40	P13	100
337820	C20GW	17 - 20	40	P13	100
337830	C24GW	21 - 24	40	P13	100
337840	C28GW	25 - 28	40	P13	100
337850	C32GW	29 - 32	40	P13	100
337860	C36GW	33 - 36	40	P13	50
337870	C40GW	37 - 40	40	P13	50
337890	C48GW	41 - 48	40	P13	50
337900	C56GW	49 - 56	40	P13	50
338000	C64GW	57 - 64	40	P13	50
337940	C70GW	65 - 70	40	P13	50
337950	C76GW	71 - 76	60	P13	50
337960	C82GW	77 - 82	60	P13	50
337970	C88GW	83 - 88	60	P13	50
337980	C94GW	89 - 94	60	P13	50
337990	C100GW	95 - 100	60	P13	50



C-ERU



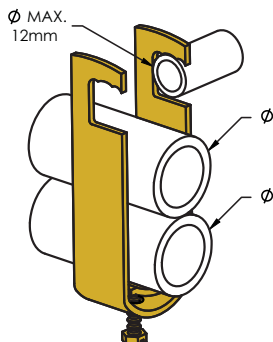
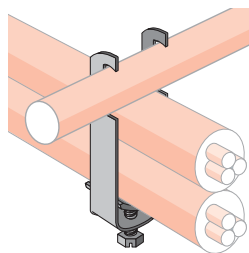
🌐	📖	∅ (mm)	P	📦
337200	C 14ERU	14	P3	250
337210	C 20ERU	20	P3	250
337220	C 26ERU	26	P3	250
337230	C 32ERU	32	P3	100
337240	C 38ERU	38	P3	100
337250	C 44ERU	44	P3	100
337260	C 52ERU	52	P3	100
337270	C 60ERU	60	P3	100
337280	C 70ERU	70	P3	50



C-2 ERU



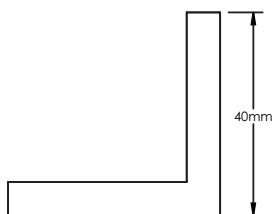
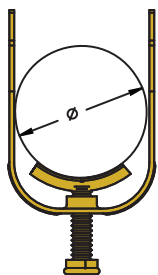
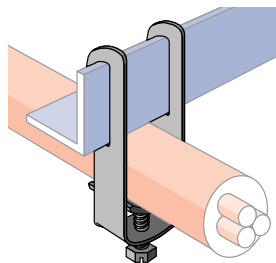
🌐	📖	∅ (mm)	⊕	P	📦
338300	C 14/2ERU	2 x 14	2	P3	250
338310	C 20/2ERU	2 x 20	2	P3	200
338320	C 26/2ERU	2 x 26	2	P3	100
338330	C 32/3ERU	2 x 32	2	P3	100



C-ES



🌐	📖	∅ (mm)	P	📦
337000	C 12ES	6 - 12	P3	100
337010	C 16ES	12 - 16	P3	100
337020	C 20ES	16 - 20	P3	100
337030	C 24ES	20 - 24	P3	100
337040	C 28ES	24 - 28	P3	100
337050	C 32ES	28 - 32	P3	100
337060	C 36ES	32 - 36	P3	100
337070	C 40ES	36 - 40	P3	100
337080	C 44ES	40 - 44	P3	100
337090	C 48ES	44 - 48	P3	100
337100	C 52ES	48 - 52	P3	50
337110	C 56ES	52 - 56	P3	50
337120	C 60ES	56 - 60	P3	50
337130	C 64ES	60 - 64	P3	50
337140	C 70ES	64 - 70	P3	50
337150	C 76ES	70 - 76	P3	25
337160	C 82ES	76 - 82	P3	25
337170	C 88ES	82 - 88	P3	25
337180	C 94ES	88 - 94	P3	25
337190	C100ES	94 - 100	P3	25

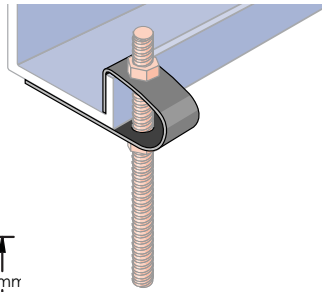
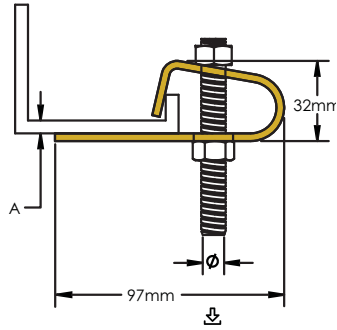
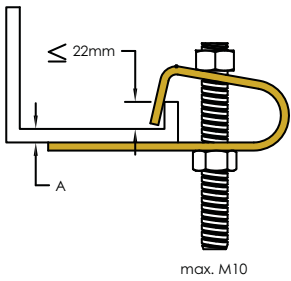




D1



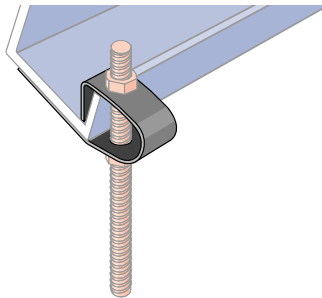
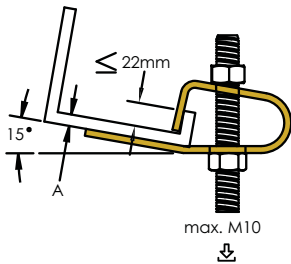
🌐	📖	A (mm)	∅ (mm)	P	📦	⬇️
336280	D1	≤4.0	11	P1	100	1200 N



D2



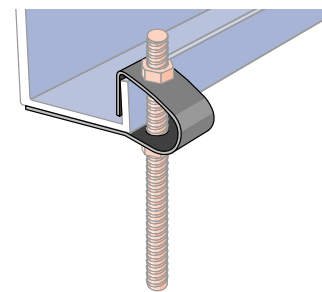
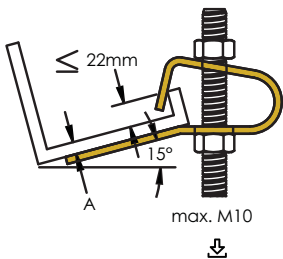
🌐	📖	A (mm)	∅ (mm)	P	📦	⬇️
339100	D2	≤4.0	11	P1	100	1200 N



D3



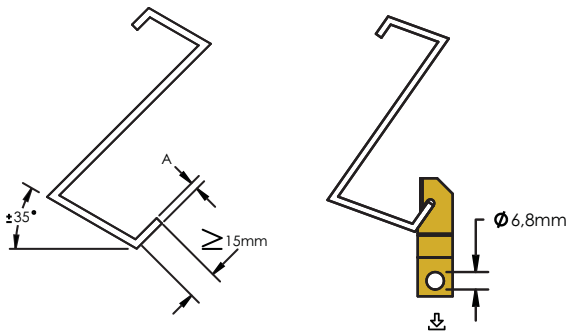
🌐	📖	A (mm)	∅ (mm)	P	📦	⬇️
339110	D3	≤4.0	11	P1	100	1200 N



122



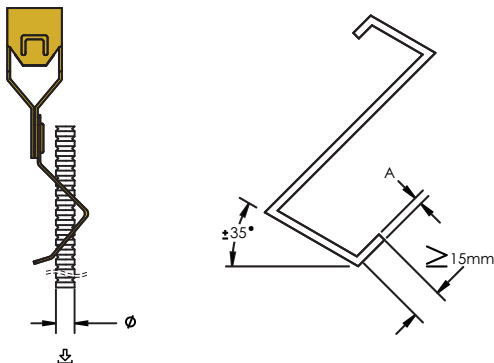
🌐	📖	A (mm)	∅ (mm)	P	📦	⬇️
171690	122	≤2.8	6,8	P21	100	450 N



122-MA



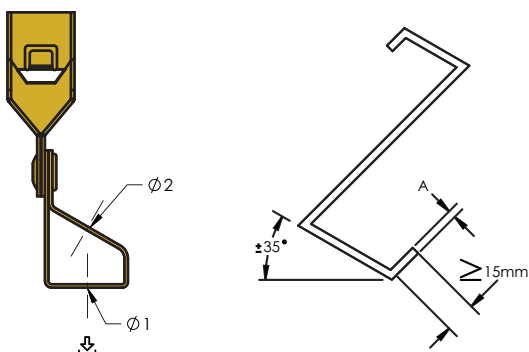
🌐	📖	A (mm)	∅	P	📦	⬇️
174680	122 M6MA	≤2.8	M6	P21	100	450 N
174690	122 M8MA	≤2.8	M8	P21	100	450 N
174700	122 M10MA	≤2.8	M10	P21	100	450 N



122-Ti



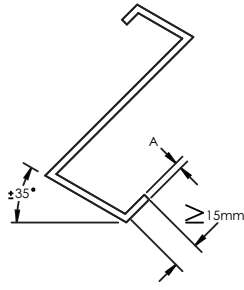
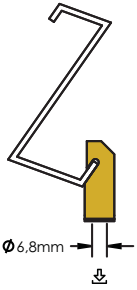
🌐	📖	A (mm)	∅ 1	∅ 2 (mm)	P	📦	⬇️
174890	122M6Ti	≤2.8	M6	11x15	P21	100	450 N
174980	122M8Ti	≤2.8	M8	11x15	P21	100	450 N
175070	122M10Ti	≤2.8	M10	11x15	P21	100	450 N
160240	122 T10	≤2.8	11 mm	11x15	P21	100	450 N



123



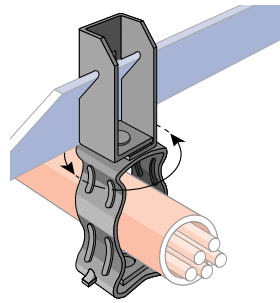
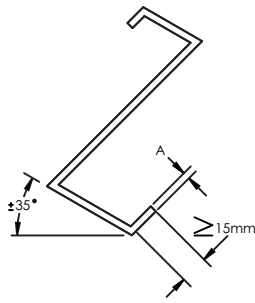
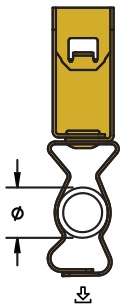
🌐	📖	A (mm)	Ø (mm)	P	📦	⬇️
171700	123	≤2.8	6,8	P21	100	450 N



123-M



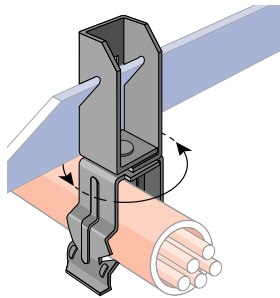
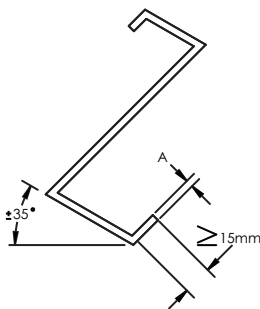
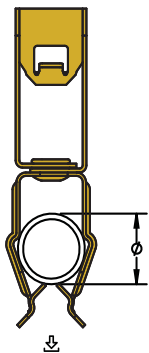
🌐	📖	A (mm)	Ø (mm)	P	📦	⬇️
174760	123 6M	≤2.8	14-18	P21	100	450 N
160420	123 812M	≤2.8	18-30	P21	100	450 N
174790	123 16M	≤2.8	30-35	P21	100	450 N
177760	123 20M	≤2.8	35-42	P21	50	450 N



123-P



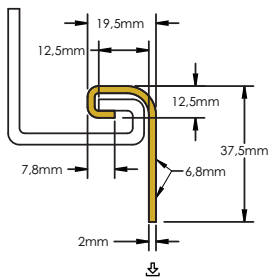
🌐	📖	A (mm)	Ø (mm)	P	📦	⬇️
176720	123 8P	≤2.8	18-22	P21	100	110 N
176730	123 12P	≤2.8	22-30	P21	100	110 N
176740	123 16P	≤2.8	30-35	P21	50	110 N



PW2



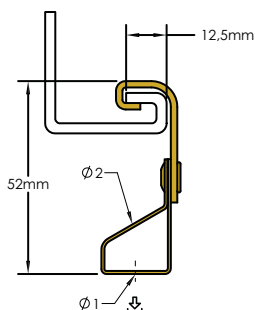
		\emptyset (mm)	P		
175590	PW2	6,8	P21	100	700 N



PW2 Ti/T IN



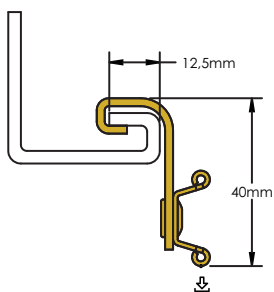
		$\emptyset 1$	$\emptyset 2$ (mm)	P		
175600	PW2M6Ti IN	M6	11x15	P21	100	700 N
175610	PW2M8Ti IN	M8	11x15	P21	100	700 N
175620	PW2M10Ti IN	M10	11x15	P21	100	700 N
175630	PW2T10Ti IN	11 mm	11x15	P21	100	700 N



PW2-CT



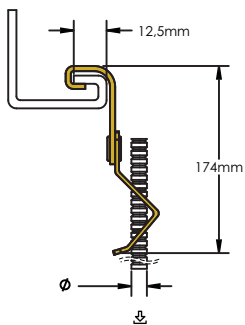
		P		
175690	PW2-CT	P21	100	700 N



PW2-MA



🌐	📖	Ø	P	📦	↓
175730	PW2 M6MA	M6	P21	100	600 N
175740	PW2 M8MA	M8	P21	100	700 N
175750	PW2 M10MA	M10	P21	100	700 N



PH/PHSW



🌐	📖	Fig. #	Ø	P	📦	↓ A	↓ B
182150	PH6M	1	M6	P1	25	900 N	650 N
182160	PH8M	1	M8	P1	25	900 N	650 N
182170	PH10M	1	M10	P1	25	900 N	650 N
182180	PHSW6M	2	M6	P1	25	900 N	650 N
182190	PHSW8M	2	M8	P1	25	900 N	650 N
182200	PHSW10M	2	M10	P1	25	900 N	650 N



Fig. #1

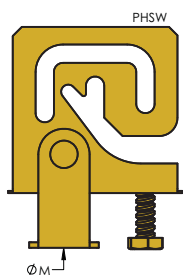
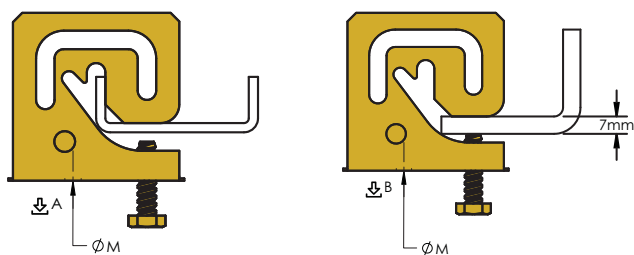


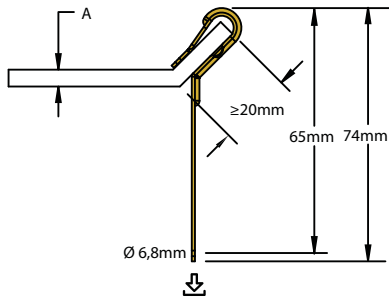
Fig. #2



AF14



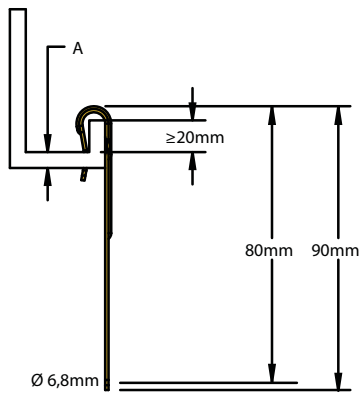
		A (mm)	P		
179860	AF14	1.5 - 6.0	P21	100	350 N



VF14



		A (mm)	P		
179850	VF14	1.5 - 6.0	P21	100	600 N



VAFT

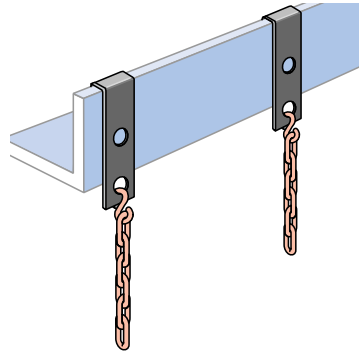
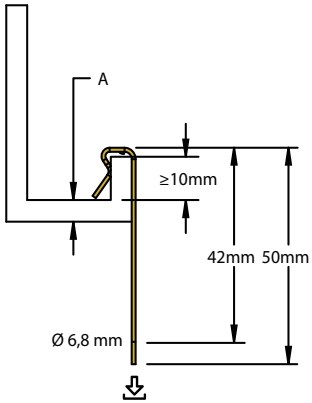


190330	VAFT	1





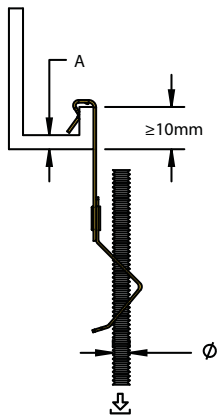
Icon	Icon	A (mm)	P	Icon	Icon	Icon
170370	J1	1.5 - 4.0	P21	100	-	700 N
171590	J2	4.0 - 6.5	P21	100	-	700 N
172440	J1	1.5 - 4.0	P21	250	10x25	700 N



J-MA

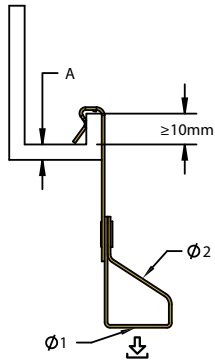


Icon	Icon	A (mm)	Ø	P	Icon	Icon
173350	M6MAJ1	1.5 - 4.0	M6	P21	100	600 N
173360	M8MAJ1	1.5 - 4.0	M8	P21	100	700 N
173370	M10MAJ1	1.5 - 4.0	M10	P21	100	700 N
173380	M6MAJ2	4.0 - 6.5	M6	P21	100	600 N
173390	M8MAJ2	4.0 - 6.5	M8	P21	100	700 N
173400	M10MAJ2	4.0 - 6.5	M10	P21	100	700 N





🌐	📖	A (mm)	Ø 1	Ø 2 (mm)	P	🏠	🏠	⬇️
174870	M6TiJ1	1.5 - 4.0	M6	11x15	P21	100	-	700 N
174960	M8TiJ1	1.5 - 4.0	M8	11x15	P21	100	-	700 N
175050	M10TiJ1	1.5 - 4.0	M10	11x15	P21	100	-	700 N
174880	M6TiJ2	4.0 - 6.5	M6	11x15	P21	100	-	700 N
174970	M8TiJ2	4.0 - 6.5	M8	11x15	P21	100	-	700 N
175060	M10TiJ2	4.0 - 6.5	M10	11x15	P21	100	-	700 N
160220	T10J1	1.5 - 4.0	11 mm	11x15	P21	100	-	700 N
160230	T10J2	4.0 - 6.5	11 mm	11x15	P21	100	-	700 N
172190	T10J1	1.5 - 4.0	11 mm	11x15	P21	250	10x25	700 N



J-CT/CTB



🌐	📖	Fig. #	A (mm)	P	🏠	⬇️
170610	J1CT	1	1.5 - 4.0	P21	50	150 N
170410	J1CTBB	2	1.5 - 4.0	P21	100	150 N
170360	J1CTBW	3	1.5 - 4.0	P21	100	150 N
170350	J2CT	1	4.0 - 6.5	P21	50	150 N
170440	J2CTBB	2	4.0 - 6.5	P21	100	150 N
170390	J2CTBW	3	4.0 - 6.5	P21	100	150 N

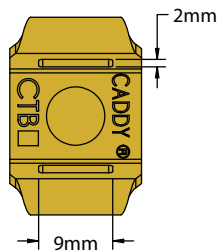
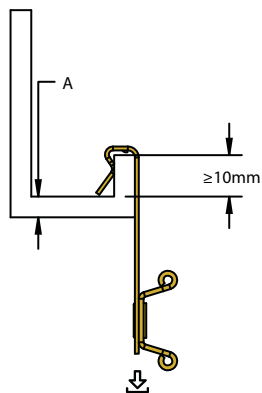


Fig. #1



Fig. #2

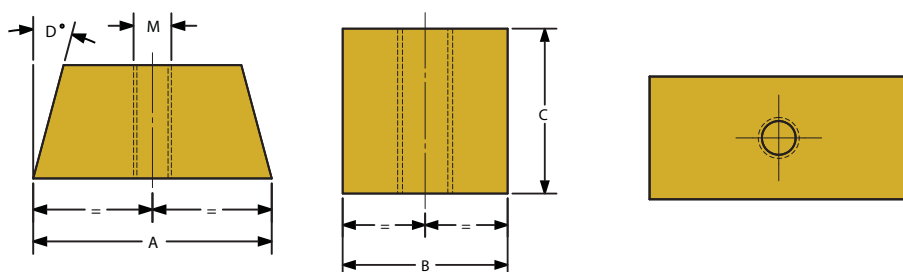
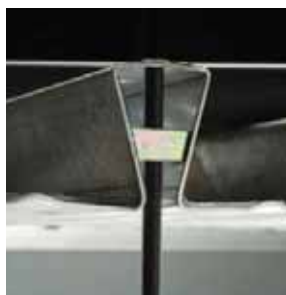


Fig. #3





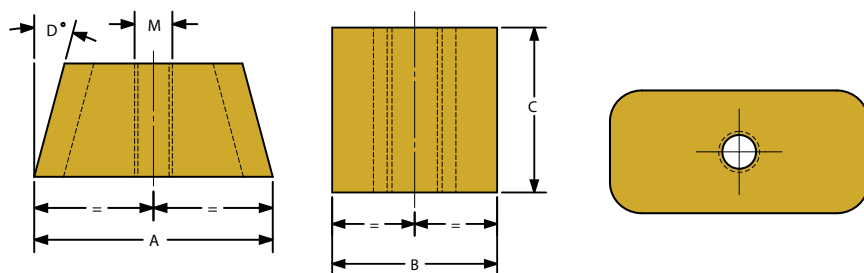
			A (mm)	B (mm)	C (mm)	M	d°	P	
187260	HW4	25	12	12	M4	15°	P1	100	
187270	HW6	25	12	12	M6	15°	P1	100	
187280	HW8	25	12	12	M8	15°	P1	100	
187290	HW10	25	12	12	M10	15°	P1	100	
187300	HW12	25	16	16	M12	15°	P1	100	
188770	HW6ST	25	10	9.5	M6	15°	P1	100	
188810	HW8ST	25	10	9.5	M8	15°	P1	100	
188720	HW4M	19	10	9.5	M4	15°	P1	100	
188740	HW6M	19	10	9.5	M6	15°	P1	100	
188780	HW8M	19	10	9.5	M8	15°	P1	100	
188830	PHW4	18	10	9.5	M4	25°	P1	100	
188840	PHW6	18	10	9.5	M6	25°	P1	100	
188850	PHW8	18	10	9.5	M8	25°	P1	100	
196240	PHWC6	18	9.5	9.5	M6	25°	P1	100	
196260	PHWC8	18	9.5	9.5	M8	25°	P1	100	



HW-SR



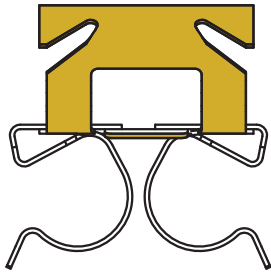
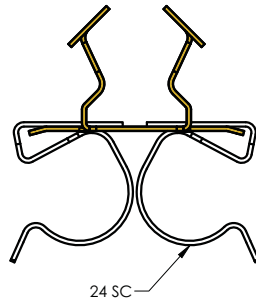
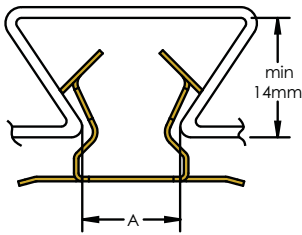
			A (mm)	B (mm)	C (mm)	M	d°	P	
188760	HW6SR	21	13	10	M6	12°	P1	100	
188800	HW8SR	21	13	10	M8	12°	P1	100	
188820	HW10SR	21	13	10	M10	12°	P1	100	



SCD



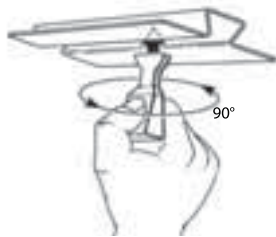
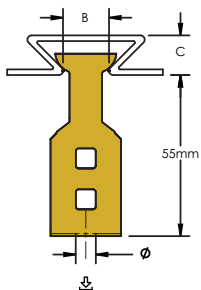
		A (mm)	P	
188170	SCD12-17	12 - 17	P21	100
188180	SCD17-22	17 - 22	P21	100



GTD



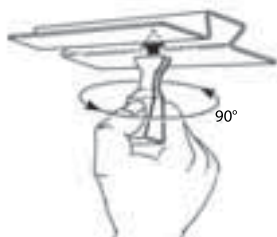
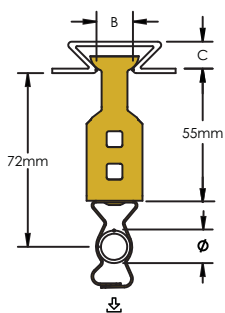
		B (mm)	C (mm)	Ø	P		↓
160320	M6GTD12-17	12 - 17	>14	M6	P21	100	600 N
160330	M8GTD12-17	12 - 17	>14	M8	P21	100	900 N
160340	M10GTD12-17	12 - 17	>14	M10	P21	100	900 N
160380	10GTD12-17	12 - 17	>14	10.5 mm	P21	100	900 N
160350	M6GTD17-22	17 - 22	>16	M6	P21	100	600 N
160360	M8GTD17-22	17 - 22	>16	M8	P21	100	900 N
160370	M10GTD17-22	17 - 22	>16	M10	P21	100	900 N
160390	10GTD17-22	17 - 22	>16	10.5 mm	P21	100	900 N



GTD-M



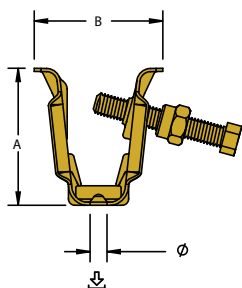
🌐	📖	B (mm)	C (mm)	∅ (mm)	P	📦	↓
160400	812MGTD12-17	12 - 17	>14	18-30	P21	50	450 N
160410	812MGTD12-22	17 - 22	>16	18-30	P21	50	450 N



UDH



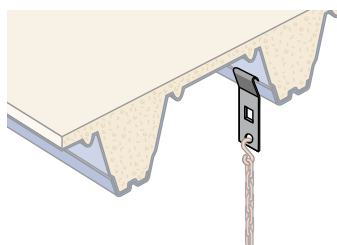
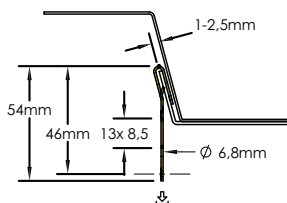
🌐	📖	A (mm)	B (mm)	∅	P	📦	↓
187302	UDHM6	51	34 - 60	M6	P21	50	1500 N
187303	UDHM8	51	34 - 60	M8	P21	50	1500 N
187304	UDHM10	51	34 - 60	M10	P21	50	1500 N



OCDC



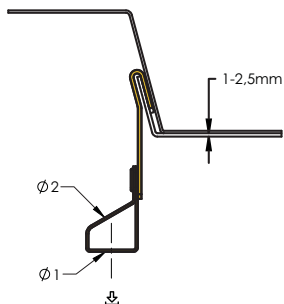
🌐	📖	∅ (mm)	P	📦	↓
160700	OCDC	6.8	P21	100	400 N



OCDC-TI/T



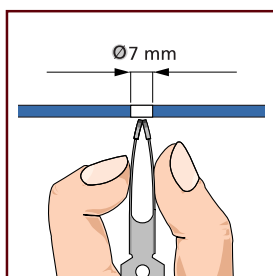
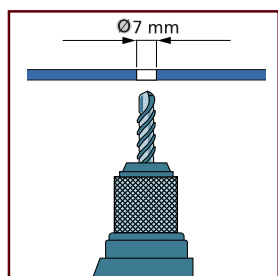
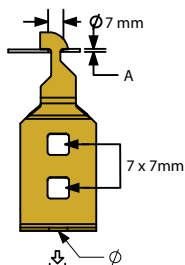
Icon	Icon	Ø 1	Ø 2 (mm)	P	Icon	Icon	Icon
160710	M6TiOCDC	M6	11x15	P21	100	400 N	
160720	M8TiOCDC	M8	11x15	P21	100	400 N	
160730	M10TiOCDC	M10	11x15	P21	100	400 N	
160740	T100CDC	11 mm	11x15	P21	100	400 N	



VKR



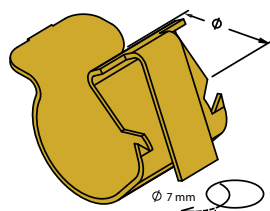
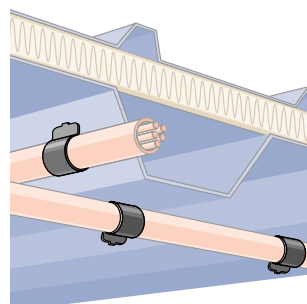
Icon	Icon	A (mm)	Ø	P	Icon	Icon	Icon
160640	M6VKR	0.8 - 2.0	M6	P21	100	-	450 N
		2.0 - 3.0					600 N
160650	M8VKR	0.8 - 2.0	M8	P21	100	-	450 N
		2.0 - 3.0					900 N
160660	M10VKR	0.8 - 2.0	M10	P21	100	-	450 N
		2.0 - 3.0					900 N
175800	M6VKR	0.8 - 2.0	M6	P21	250	10x25	450 N
		2.0 - 3.0					900 N
175810	M8VKR	0.8 - 2.0	M8	P21	250	10x25	450 N
		2.0 - 3.0					900 N
175820	M10VKR	0.8 - 2.0	M10	P21	250	10x25	450 N
		2.0 - 3.0					900 N



HSC



Icon	Icon	Ø (mm)	P	Icon
186000	HSC67	6-7	P21	100
187740	HSC78	7-8	P21	100
186010	HSC89	8-9	P21	100
187780	HSC910	9-10	P21	100
186020	HSC1011	10-11	P21	100
186030	HSC1214	12-14	P21	100
186040	HSC1518	15-18	P21	100
186050	HSC1924	19-24	P21	100
186060	HSC2530	25-32	P21	100

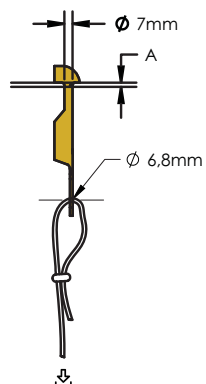


EBC, EM, EER, H, J1, J2, AF14, VF14, 122, 123, TDH, OCDC, PW2, PCS, Z, ESC, 4H24Di

EER



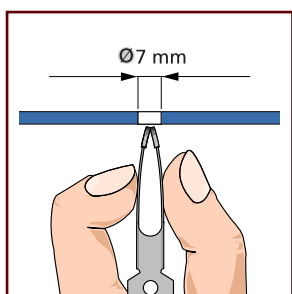
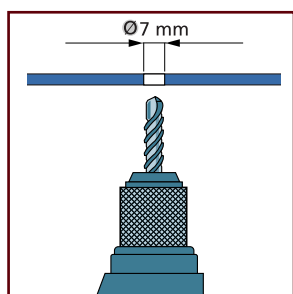
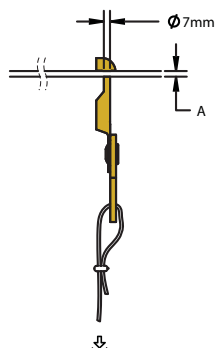
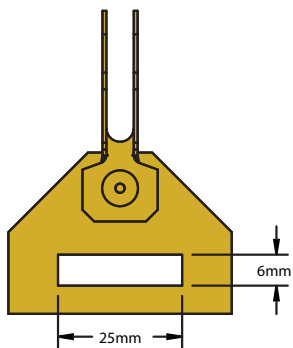
Icon	Icon	A (mm)	P	Icon	Icon	Icon
171470	EER	0.8 - 2.0	P21	100	-	450 N
		2.0 - 3.0				900 N
172200	EER	0.8 - 2.0	P21	250	10x25	450 N
		2.0 - 3.0				900 N



EERS



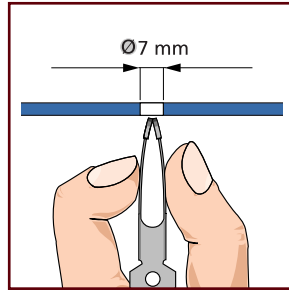
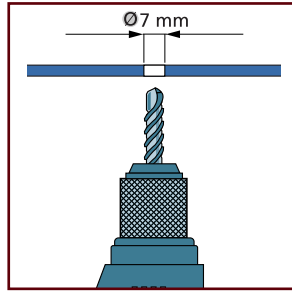
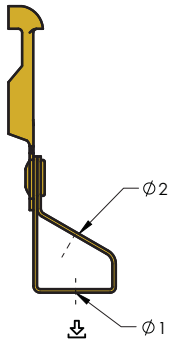
Icon	Icon	A (mm)	P	Icon	Icon
173080	EERS	0.8 - 2.0	P21	100	450 N
		2.0 - 3.0			900 N



EER-Ti/T



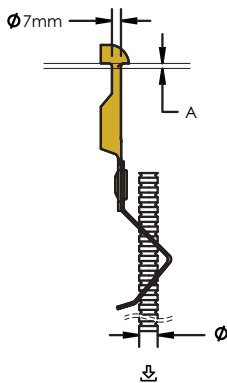
🌐	📖	A (mm)	Ø 1	Ø 2 (mm)	P	📦	⬇️
173120	EERM6Ti	0.8 - 2.0	M6	11x15	P21	100	450 N
		2.0 - 3.0					900 N
173130	EERM8Ti	0.8 - 2.0	M8	11x15	P21	100	450 N
		2.0 - 3.0					900 N
173140	EERM10Ti	0.8 - 2.0	M10	11x15	P21	100	450 N
		2.0 - 3.0					900 N
160250	EERT10	0.8 - 2.0	11 mm	11x15	P21	100	450 N
		2.0 - 3.0					900 N



EER-MA

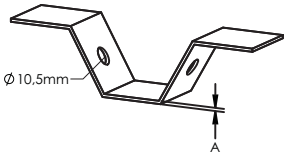


🌐	📖	A (mm)	Ø	P	📦	⬇️
173170	EERM6MA	0.8 - 2.0	M6	P21	100	450 N
		2.0 - 3.0				600 N
173180	EERM8MA	0.8 - 2.0	M8	P21	100	450 N
		2.0 - 3.0				700 N
173190	EERM10MA	0.8 - 2.0	M10	P21	100	450 N
		2.0 - 3.0				700 N

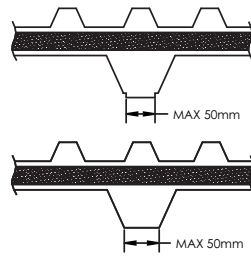
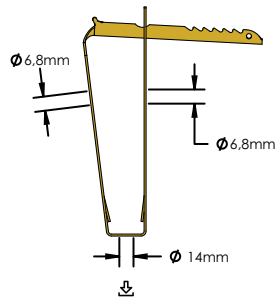




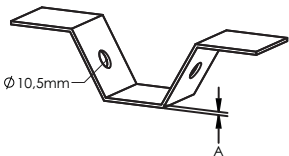
		\varnothing (mm)	P	
179920	TDH	14	P21	50



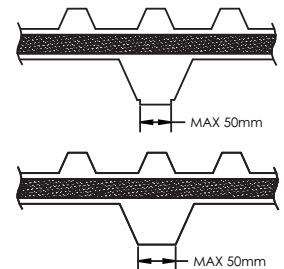
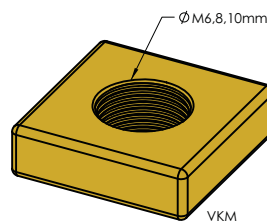
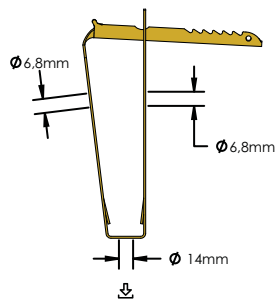
A (mm)	↓
0,63-0,70	600 N
0,70-0,80	700 N
0,80-1,00	800 N
1,00-1,20	1000 N
1,20-1,50	1200 N
>1,50	1500 N



		\varnothing (mm)	P	
179930	TDHM6	M6	P21	50
179940	TDHM8	M8	P21	50
179950	TDHM10	M10	P21	50



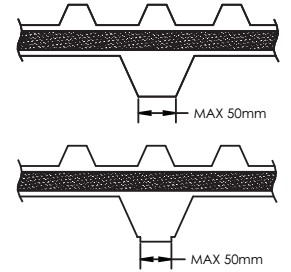
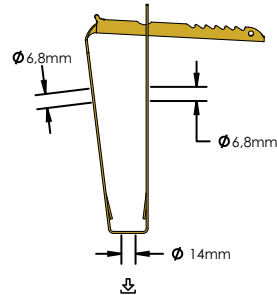
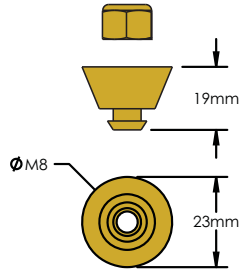
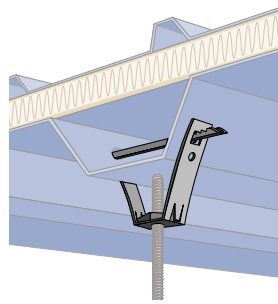
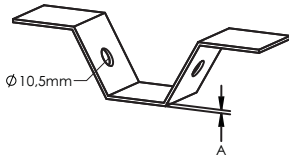
A (mm)	↓
0,63-0,70	600 N
0,70-0,80	700 N
0,80-1,00	800 N
1,00-1,20	1000 N
1,20-1,50	1200 N
>1,50	1500 N



TDH-I



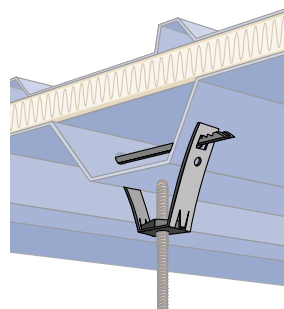
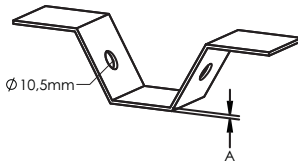
		\emptyset	P		
179510	TDHiM8	M8	P21	50	200 N



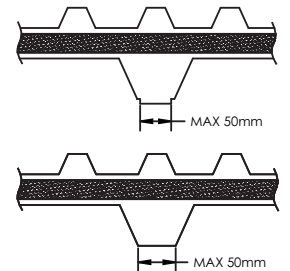
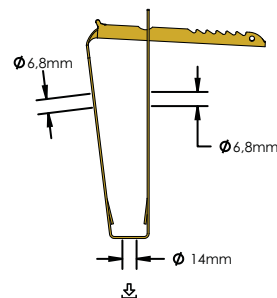
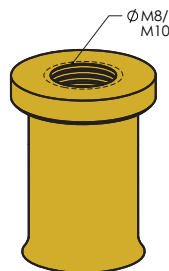
TDHA



		\emptyset (mm)	P	
179945	TDHAM8	M8	P21	50
179955	TDHAM10	M10	P21	50



A (mm)	
0,63-0,70	600
0,70-0,80	700
0,80-1,00	800
1,00-1,20	1000
1,20-1,50	1200
>1,50	1500





🌐	📖	Fig. #	∅ (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	P	📦
597586	TBH G DG 10,5	1	10,5	120	100	25	11	6	2,5	P1	50
597587	TBH G M8	2	M8	120	100	25	11	6	2,5	P1	50
597588	TBH G M10	2	M10	120	100	25	11	6	2,5	P1	50

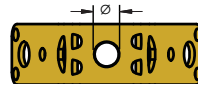
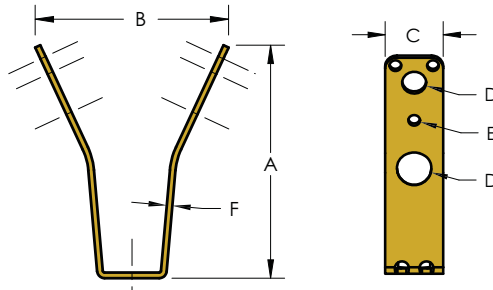
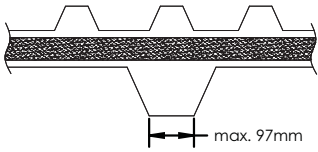


Fig. #1



Fig. #2



🌐	📖	Fig. #	∅ (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	P	📦
597581	TBH K DG 10,5	1	10,5	91,5	97	25	10,5	6	2,5	P1	50
597582	TBH K M8	2	M8	91,5	97	25	10,5	6	2,5	P1	50
597583	TBH K M10	2	M10	91,5	97	25	10,5	6	2,5	P1	50
597584	TBH K AM8	3	M8	91,5	97	25	10,5	6	2,5	P1	50
597585	TBH K AM10	3	M10	91,5	97	25	10,5	6	2,5	P1	50

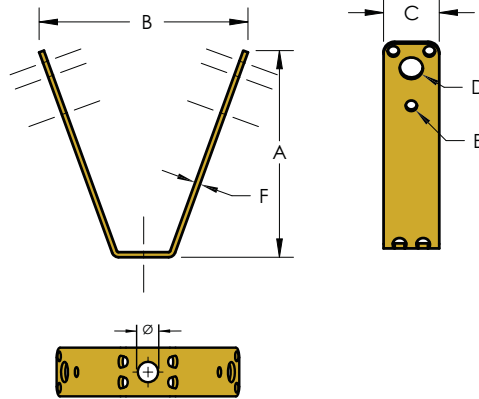
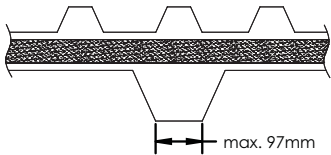


Fig. #1






Fig. #2



Fig. #3





		Fig. #	
159441	TDHP MK2	1	1
159442	TDHP MK2 BS	2	1

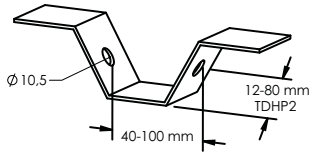


Fig. #1



Fig. #2





ATA / ATS



Icon	Icon	Fig. #	Ø	P	Icon
170400	ATA41	1	M6	P21	100
170420	ATS41	2	M6	P21	100

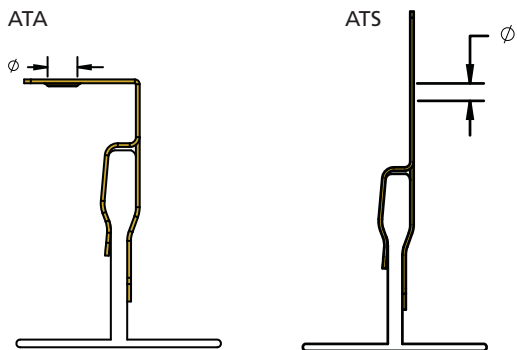


Fig. #1



Fig. #2

MATA / MATS



Icon	Icon	Fig. #	Ø A (mm)	P	Icon
177190	812MATA	1	18 - 30	P21	100
177200	812MATS	2	18 - 30	P21	100

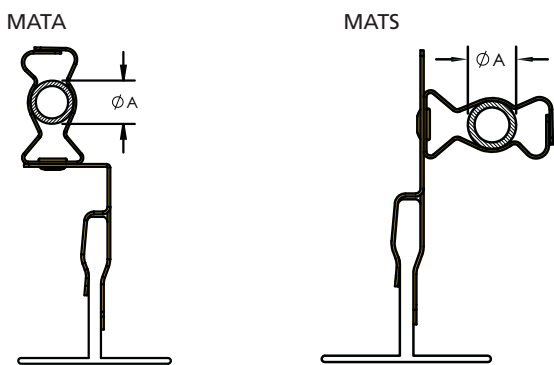


Fig. #1

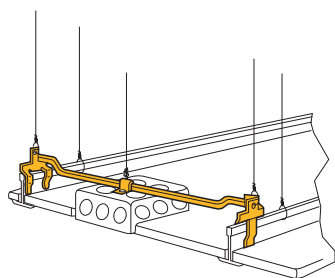
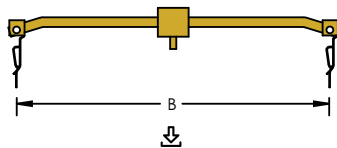


Fig. #2

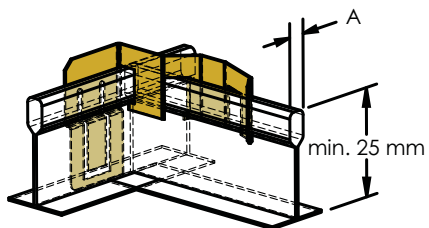




		B (mm)	P		
190440	512600MM	600	P21	50	80 N



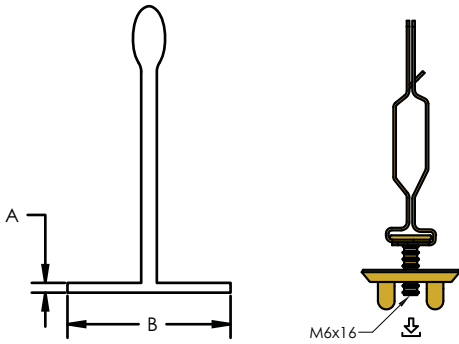
		A (mm)	P	
170510	TGE	6	P21	100



IDSMS



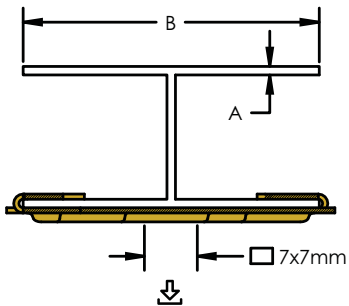
🌐	📖	A (mm)	B (mm)	P	📦	↓
173460	IDSMS16	1.5	24 - 26	P21	100	290 N



4J



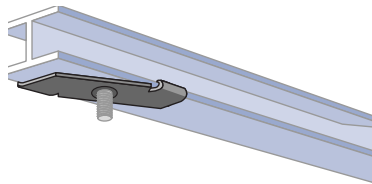
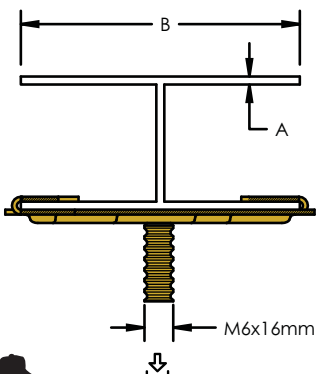
🌐	📖	A (mm)	B (mm)	P	📦	↓
170290	4J2438	3.0	38 - 60	P21	100	600 N



4J-SM



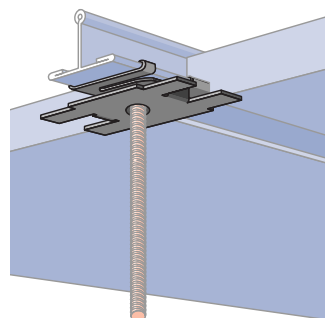
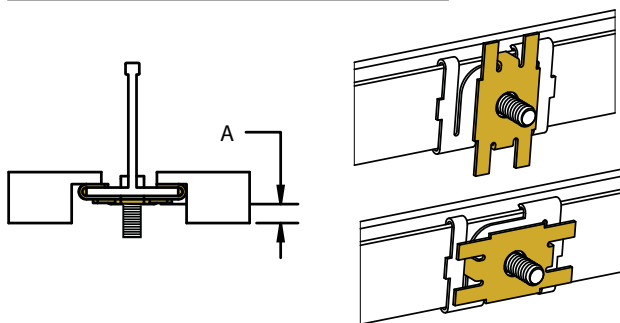
🌐	📖	A (mm)	B (mm)	P	📦	↓
176780	4J2438SM	3.0	38 - 60	P21	100	600 N



4TGS



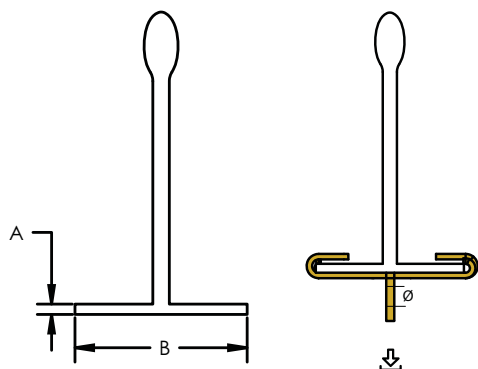
Icon	Icon	A (mm)	P	Icon
179840	4TGS	6.4	P21	100



4G16H



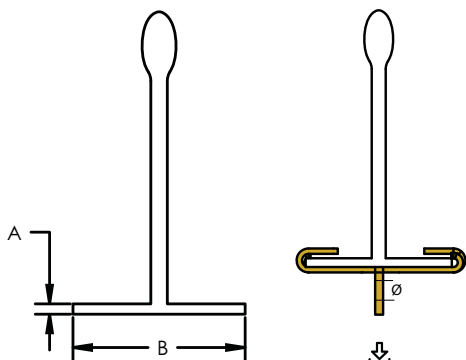
Icon	Icon	A (mm)	B (mm)	Ø (mm)	P	Icon	Icon	Icon
170230	4G16H	1.5	24 - 26	6.4	P21	100	180 N	
576950	4G16H-6	1.5	24 - 26	6.4	P6.1	100	180 N	



4G24H



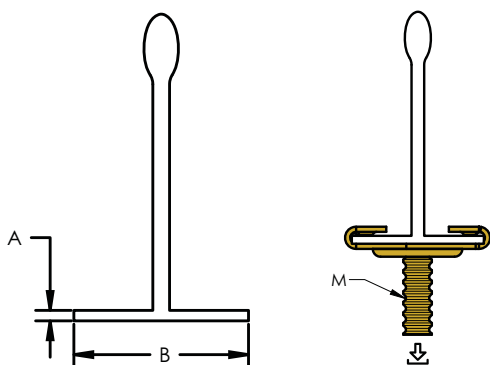
Icon	Icon	A (mm)	B (mm)	Ø (mm)	Icon	Icon	Icon
P21							
170490	4G24H	1.5	24 - 26	6.4	100	-	180 N
P6.1							
170500	4G24H-6	1.5	24 - 26	6.4	100	-	180 N
172280	4G24H-6	1.5	24 - 26	6.4	250	10x25	180 N



4G16M



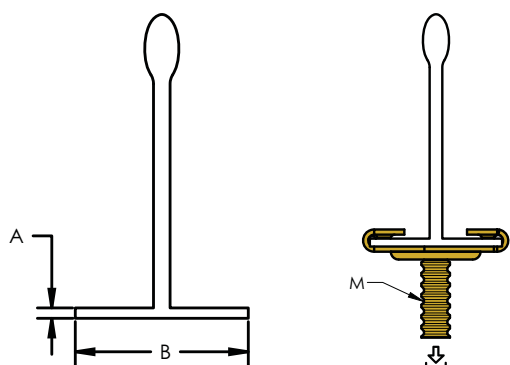
			A (mm)	B (mm)	M (mm)		
P21							
178590	4G16M7	1.5	24 - 26	6 x 7	100	220 N	
178600	4G16M11	1.5	24 - 26	6 x 11	100	220 N	
171900	4G16M16	1.5	24 - 26	6 x 16	100	220 N	
176880	4G16M25	1.5	24 - 26	6 x 25	100	220 N	
171890	4G16M38	1.5	24 - 26	6 x 38	100	220 N	
171870	4G16M51	1.5	24 - 26	6 x 51	100	220 N	
171880	4G16M76	1.5	24 - 26	6 x 76	100	220 N	
P6.1							
178620	4G16M11	1.5	24 - 26	6 x 16	100	220 N	
576940	4G16M16	1.5	24 - 26	6 x 16	100	220 N	



4G24M



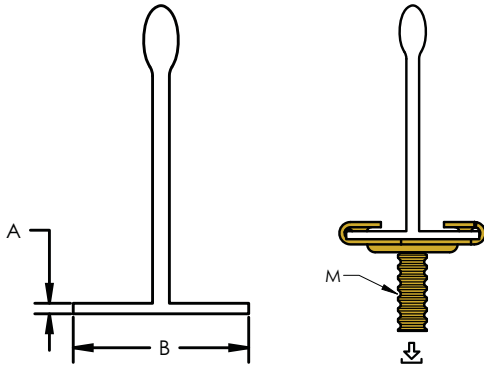
			A (mm)	B (mm)	M (mm)			
P21								
171680	4G24M11	1.5	24 - 26	6 x 11	100	-	220 N	
171710	4G24M16	1.5	24 - 26	6 x 16	100	-	220 N	
171730	4G24M25	1.5	24 - 26	6 x 25	100	-	220 N	
171820	4G24M38	1.5	24 - 26	6 x 38	100	-	220 N	
171830	4G24M51	1.5	24 - 26	6 x 51	100	-	220 N	
172450	4G24M16	1.5	24 - 26	6 x 16	250	10x25	220 N	
P6.1								
171840	4G24M11-6	1.5	24 - 26	6 x 11	100	-	220 N	
171860	4G24M16-6	1.5	24 - 26	6 x 16	100	-	220 N	
171910	4G24M25-6	1.5	24 - 26	6 x 25	100	-	220 N	
171920	4G24M38-6	1.5	24 - 26	6 x 38	100	-	220 N	
171940	4G24M51-6	1.5	24 - 26	6 x 51	100	-	220 N	
172290	4G24M16-6	1.5	24 - 26	6 x 16	250	10x25	220 N	
172300	4G24M25-6	1.5	24 - 26	6 x 25	250	10x25	220 N	
172310	4G24M38-6	1.5	24 - 26	6 x 38	250	10x25	220 N	



4G24WN

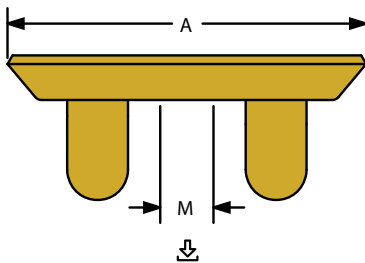


Icon	Icon	A (mm)	B (mm)	M (mm)	P	Icon	Icon
160290	4G24WN	24 - 26	1.5	6 x 16	P21	100	220 N



6WN

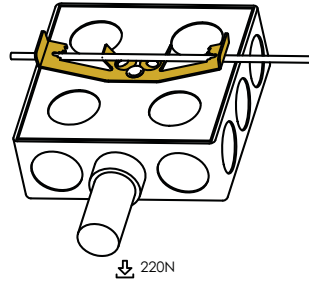
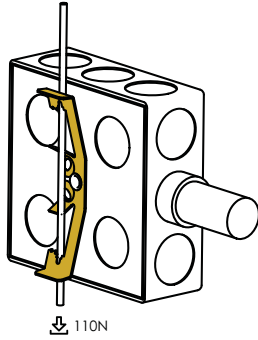
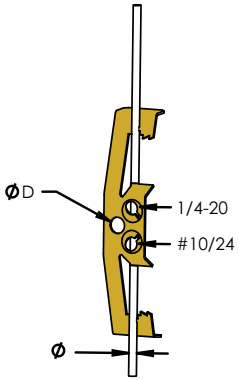
Icon	Icon	A (mm)	M	P	Icon	Icon	Icon
171560	6WN	32	M6	P21	100	-	450 N
172410	6WN	32	M6	P21	250	10x25	450 N



Z



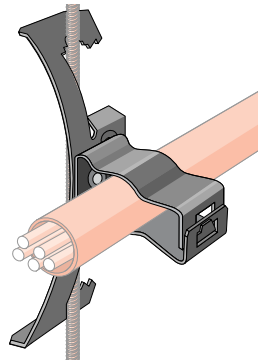
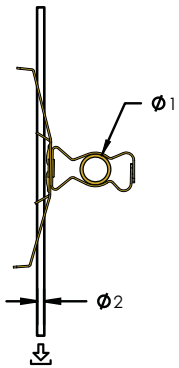
Icon	Icon	Ø	D (mm)	P	Icon
170650	4Z34	M4-M8	6.5	P21	100
170720	6Z34	M8-M12	6.5	P21	100



Z-M



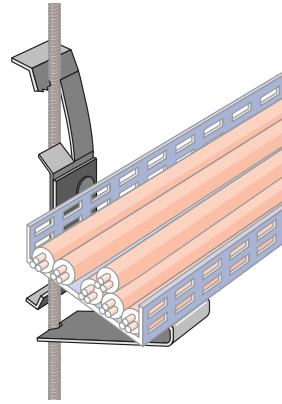
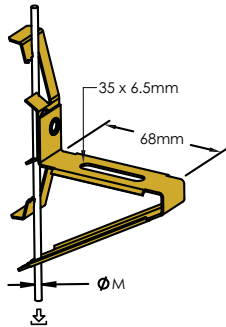
Icon	Icon	Ø 1 (mm)	Ø 2	P	Icon	↓
171050	4Z346M	14-18	M4-M8	P21	100	110 N
171060	4Z34812M	18-30	M4-M8	P21	100	110 N
171080	6Z346M	14-18	M8-M12	P21	100	110 N
171090	6Z34812M	18-30	M8-M12	P21	100	110 N



Z-CTS



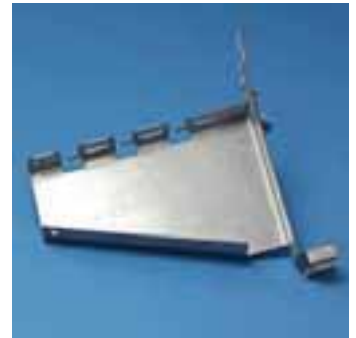
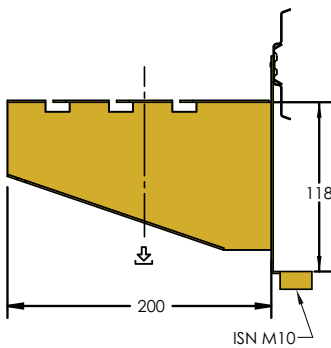
Icon	Icon	Ø	P	Icon	Icon
172950	4Z34CTS	M4 - M8	P21	50	110 N
172960	6Z34CTS	M8 - M12	P21	50	110 N



6Z34TFB



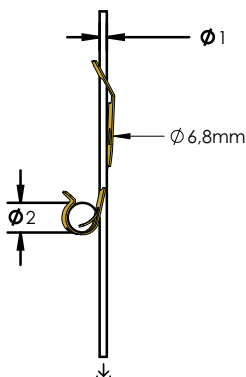
Icon	Icon	M	P	Icon	Icon
171160	6Z34TFB	M10	P21	25	300 N



PCS1



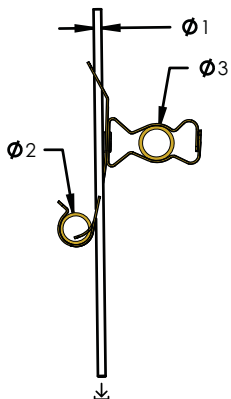
Icon	Icon	Ø 1 (mm)	Ø 2 (mm)	P	Icon	Icon	SF
170880	PCS1	2-4	11-14	P21	100	110 N	3:1



PCS1-M



🌐	📖	Ø 1 (mm)	Ø 2 (mm)	Ø 3 (mm)	P	📦	↓	SF
171000	6MPCS1	2-4	11-14	14 - 18	P21	50	110	3:1
170990	812MPCS1	2-4	11-14	18 - 30	P21	50	110	3:1



PCS2

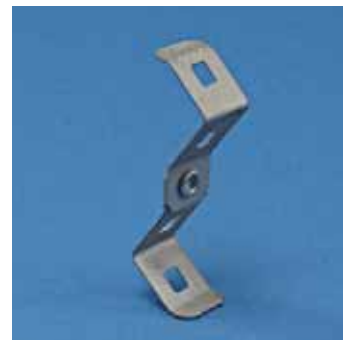
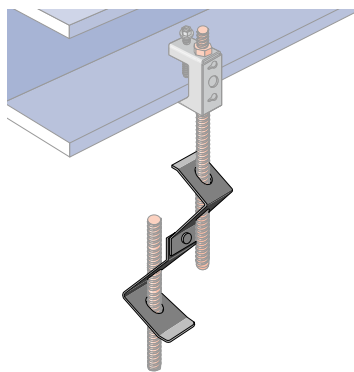
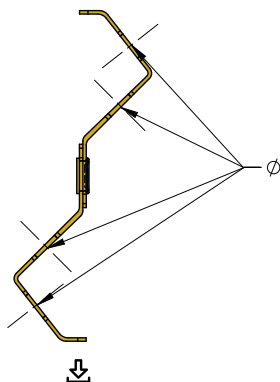


🌐	📖	Ø 1 (mm)	Ø 2 (mm)	P	📦	↓	SF
170881	PCS2	2-4	17-22	P21	100	110 N	3:1





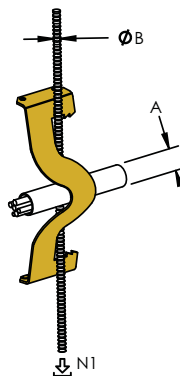
Icon	Icon	Ø	P	Icon	Icon
173200	M6MAM6	M6	P21	100	600 N
173210	M8MAM8	M8	P21	100	700 N
173220	M10MAM10	M10	P21	100	700 N



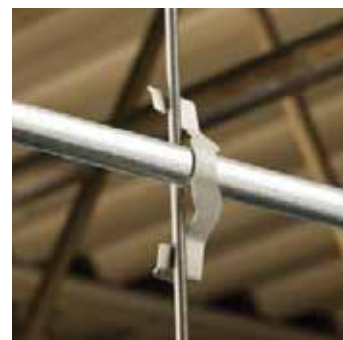
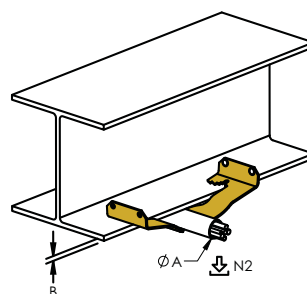
K



Icon	Icon	ØA (mm)	Ø B	P	Icon	Icon
170870	KX	4-12	M4-M6	P21	100	220 N
170660	K8	8-18	M4-M6	P21	100	220 N
170670	K12	18-24	M4-M6	P21	100	220 N
170670	K12	16-22	M8-M10	P21	100	220 N
170670	K12	14-20	M12	P21	100	220 N
170680	K16	26-30	M4-M6	P21	100	220 N
170680	K16	24-26	M8-M10	P21	100	220 N
170680	K16	22-24	M12	P21	100	220 N
170690	K20	30-42	M4-M6	P21	100	220 N
170690	K20	25-38	M8-M10	P21	100	220 N
170690	K20	20-36	M12	P21	100	220 N



Icon	Icon	ØA (mm)	B	P	Icon	Icon
170870	KX	6-12	3-5	P21	100	110 N
170660	K8	3-7	12-16	P21	100	110 N
170670	K12	3-7	16-22	P21	100	110 N
170670	K12	8-10	14-20	P21	100	110 N
170670	K12	11-13	12-19	P21	100	110 N
170680	K16	3-7	24-28	P21	100	110 N
170680	K16	8-10	20-26	P21	100	110 N
170680	K16	11-13	19-24	P21	100	110 N
170690	K20	3-7	28-40	P21	100	110 N
170690	K20	8-10	26-38	P21	100	110 N
170690	K20	11-13	21-35	P21	100	110 N



AB



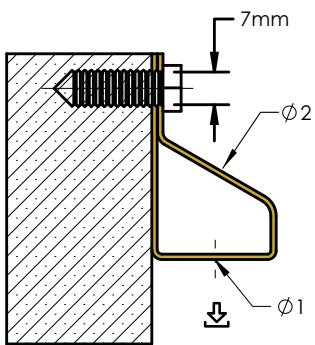
Icon	Icon	Ø (mm)	P	Icon	Icon
171120	AB	7	P21	100	700 N



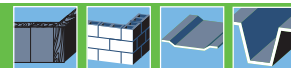
T1/T



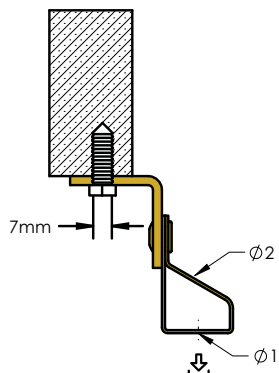
Icon	Icon	Ø1	Ø2 (mm)	P	Icon	Icon
174800	M6Ti	M6	11x15	P21	100	700 N
170900	M8Ti	M8	11x15	P21	100	700 N
170910	M10Ti	M10	11x15	P21	100	700 N
160260	T10	11 mm	11x15	P21	100	700 N



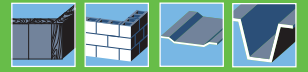
B-T1/T



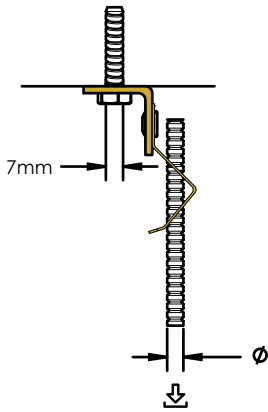
Icon	Icon	Ø1	Ø2 (mm)	P	Icon	Icon
174850	M6TiB	M6	11x15	P21	100	700 N
174940	M8TiB	M8	11x15	P21	100	700 N
175030	M10TiB	M10	11x15	P21	100	700 N
160280	T10B	11 mm	11x15	P21	100	700 N



MAB



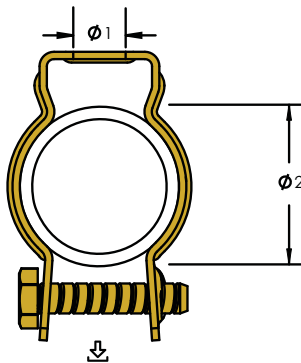
🌐	📖	Ø	P	📦	↓
173430	M6MAB	M6	P21	100	600 N
173440	M8MAB	M8	P21	100	700 N
173450	M10MAB	M10	P21	100	700 N



CD-B



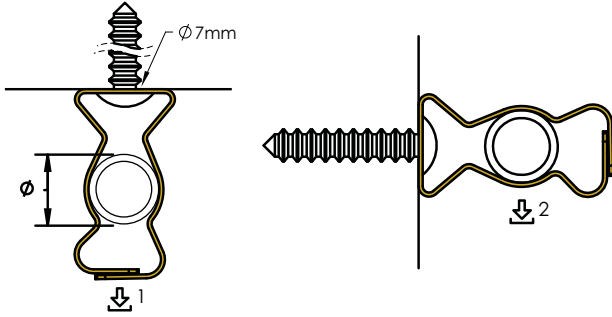
🌐	📖	Ø 1 (mm)	Ø 2 (mm)	P	📦	↓
181140	CD0B	7	17-22	P1	100	70 N
181150	CD2B	7	25-33	P1	100	70 N
181190	CD1B	7	19-25	P1	100	70 N
181370	CD2,5B	7	31-38	P1	100	70 N
181380	CD3B	7	36-43	P1	100	70 N
181390	CD4B	7	40-47	P1	50	70 N
181470	CD5B	7	50-60	P1	50	70 N
181480	CD6B	8	66-76	P1	25	70 N
181490	CD7B	8	80-90	P1	25	70 N
181500	CD8B	8	95-105	P1	10	70 N
181540	CD9B	8	108-115	P1	10	70 N



M



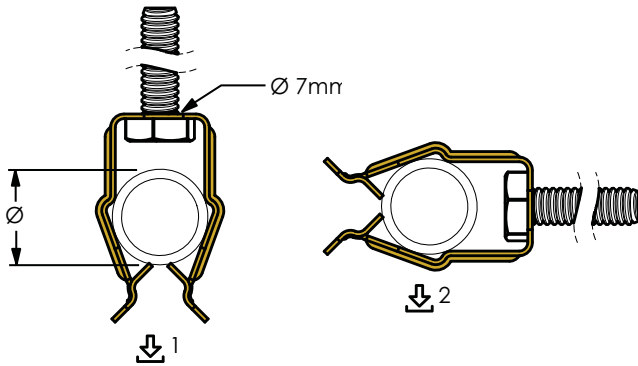
🌐	📖	∅ (mm)	🏠	↓ ₁	↓ ₂
P21					
170790	6M	14-18	100	440	110
177130	812M	18-30	100	440	110
170100	16M	30-35	100	440	110
170110	20M	35-42	100	440	110
170120	24M	45-50	100	440	110
170130	32M	50-60	100	440	110
P2					
179900	8M-2	18-22	100	440	110
179910	12M-2	22-30	100	440	110



P

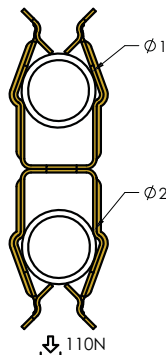


🌐	📖	∅ (mm)	P	🏠	↓ ₁	↓ ₂
171130	8P	18 - 22	P21	100	110	65
171150	12P	22 - 30	P21	100	110	65
171170	16P	30 - 35	P21	100	110	65



P-P

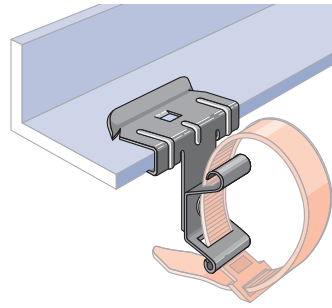
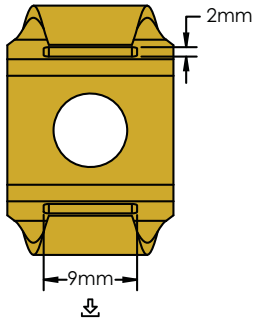
🌐	📖	P	🏠	∅1	∅2
171220	8P8P	P21	100	18-22	18-22
171230	8P12P	P21	100	18-22	22-30
171240	8P16P	P21	100	18-22	30-35
171250	12P12P	P21	100	22-30	22-30
171260	12P16P	P21	100	22-30	30-35
171270	16P16P	P21	100	30-35	30-35



CT



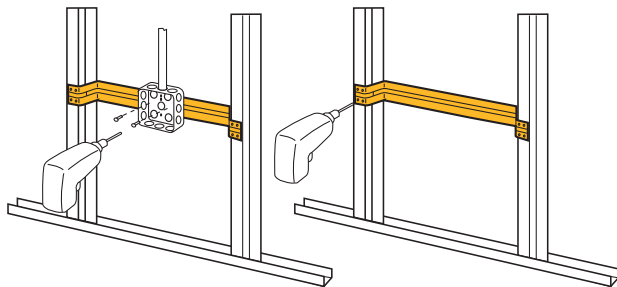
Icon	Icon	P	Icon	Icon
170450	CT	P21	100	40 N
171600	CT-2	P2	100	40 N



TSGB



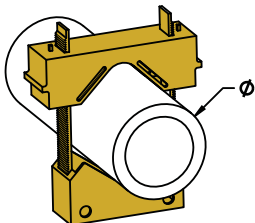
Icon	Icon	L (mm)	P	Icon
187190	TSGB16	280 - 458	P1	50
187191	TSGB24	432 - 660	P1	50



TPC



Icon	Icon	Ø (mm)	P	Icon
187192	TPC112	9 - 28	P5	50
187193	TPC238	16 - 61	P5	50



SMS8



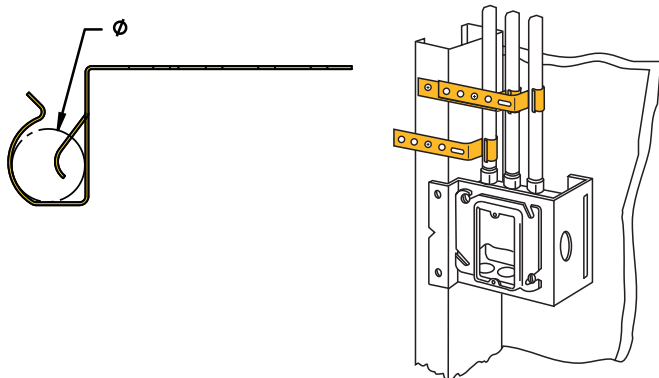
		L (mm)	M (mm)	P	
187197	SMS8	12.0	4	P1	1000



CS812



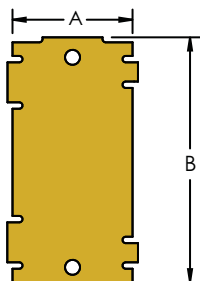
		∅ (mm)	P	
176910	CS812	18-30	P21	100



304B2



		A (mm)	B (mm)	P	
187991	304B2	38	80	P21	100



MSP20



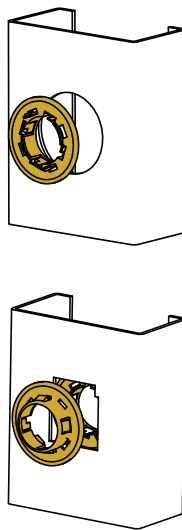
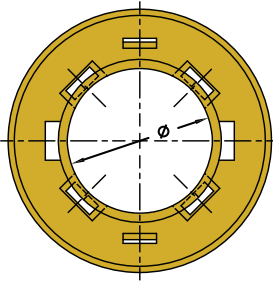
188480	MSP20	1



ESG1



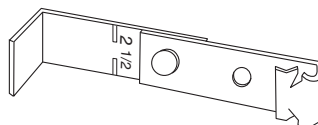
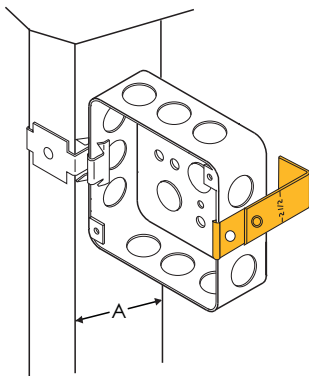
		\emptyset (mm)	P	
188470	ESG1	33	P13	100



J1A35



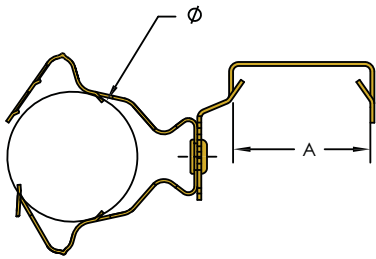
		A (mm)	P	
160883	J1A35	63-89	P21	100



812MF



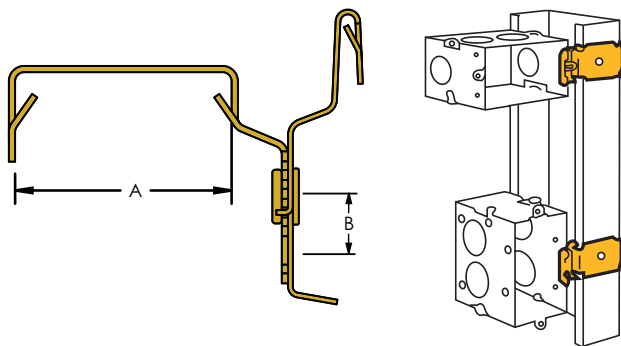
		A (mm)	Ø (mm)	P	
160881	812MF	35-38	18-30	P21	100



MFSE



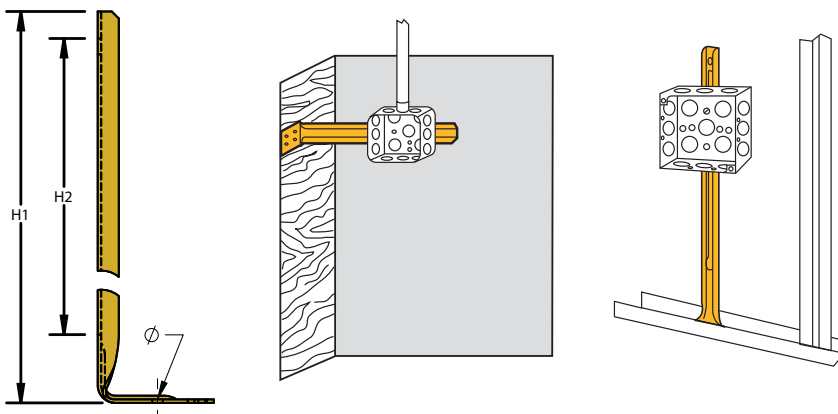
		A (mm)	B (mm)		P
160991	MFSE	35 - 38	6.35 - 19.05	100	P21



FBS



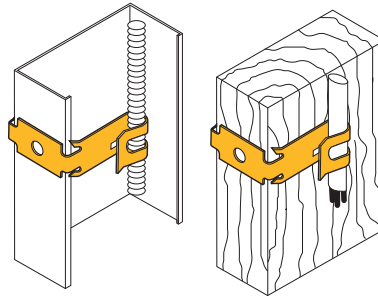
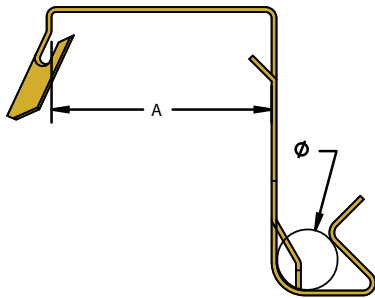
		H1 (mm)	H2 (mm)	Ø	P	
176990	FBS18	457	210	4.7	P1	50



FXC20



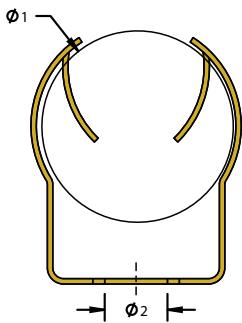
🌐	📖	A (mm)	∅ (mm)	P	📦
160885	FXC20	35 - 38	11-13.5	P21	100



WC812

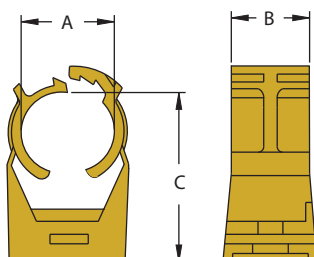


🌐	📖	∅ 1 (mm)	∅ 2 (mm)	P	📦
160890	WC812	18-30	7	P21	100



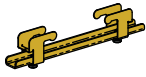
CADDY® SUPERKLIP

🌐	📖	A (mm)	B (mm)	C (mm)	P	📦	⬇️
389017	CADDY® SUPERKLIP 8 mm	8 - 10	17	26	P10	100	165 N
389018	CADDY SUPERKLIP 10 mm	10 - 12	17	26	P10	100	180 N
389001	CADDY SUPERKLIP 12 mm	12 - 14	17	30	P10	100	200 N
389002	CADDY SUPERKLIP 15 mm	14 - 17	20	32	P10	100	220 N
389003	CADDY SUPERKLIP 17 mm	17 - 20	20	35	P10	100	235 N
389004	CADDY SUPERKLIP 20 mm	20 - 22	20	39	P10	100	250 N
389005	CADDY SUPERKLIP 22 mm	22 - 25	20	42	P10	100	270 N
389006	CADDY SUPERKLIP 25 mm	25 - 28	20	45	P10	50	300 N
389007	CADDY SUPERKLIP 28 mm	28 - 31	20	49	P10	50	320 N
389008	CADDY SUPERKLIP 32 mm	31 - 36	21	54	P10	50	370 N
389009	CADDY SUPERKLIP 36 mm	36 - 40	21	59	P10	50	400 N
389011	CADDY SUPERKLIP 40 mm	40 - 44	21	64	P10	25	440 N
389012	CADDY SUPERKLIP 47 mm	47 - 51	22	73	P10	25	470 N
389013	CADDY SUPERKLIP 51 mm	51 - 56	23	79	P10	25	500 N
389014	CADDY SUPERKLIP 59 mm	59 - 64	23	88	P10	20	540 N









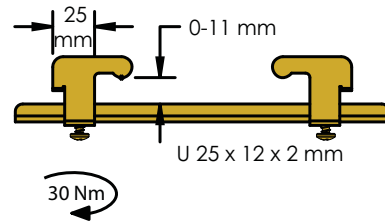
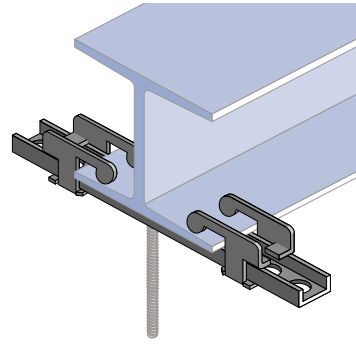
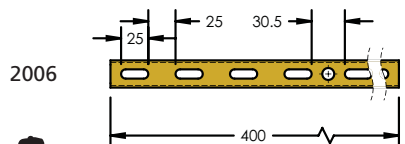
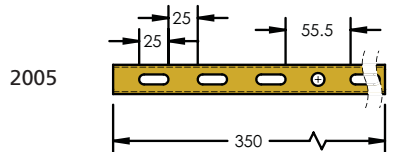
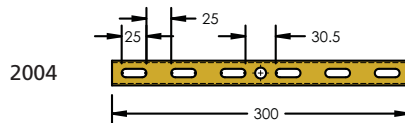
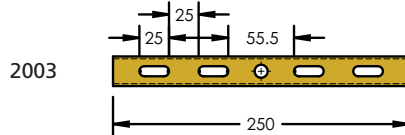
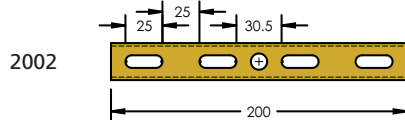
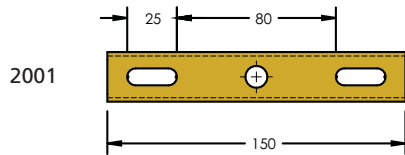
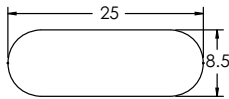
🌐	📖	L (mm)	P	📦
570130	2150	150	P1	25
570140	2200	200	P1	25
570150	2250	250	P1	25
570160	2300	300	P1	25
570170	2350	350	P1	25
570180	2400	400	P1	25



🌐	📖	L (mm)	P	📦
570300	2001	150	P1	25
570310	2002	200	P1	25
570320	2003	250	P1	25
570330	2004	300	P1	25
570340	2005	350	P1	25
570350	2006	400	P1	25



🌐	📖	P	📦
570240	2025	P1	50



	A (mm)	B (mm)	F1 ↓	F2 ↓	F3 ↓
2000	25	65	1700	490	340





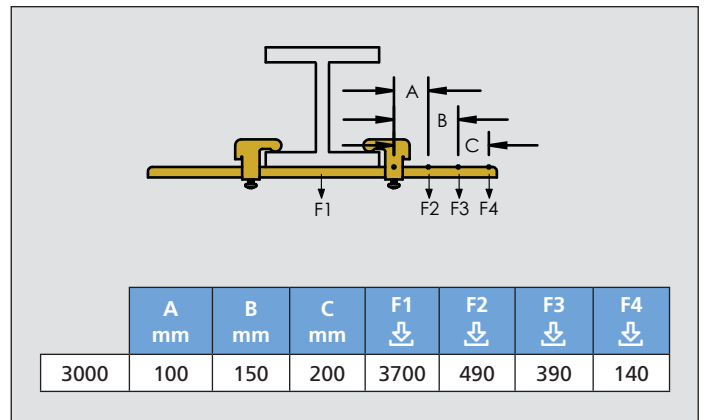
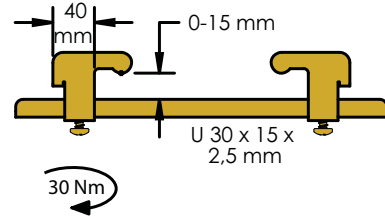
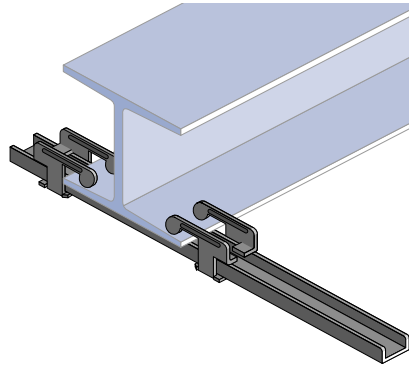
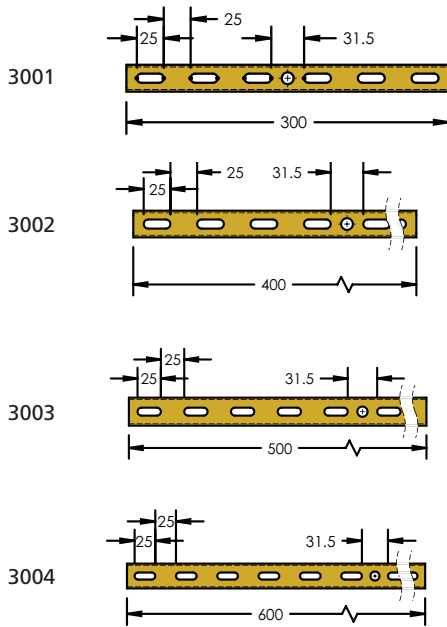
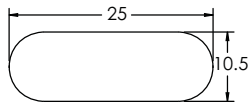
Icon	Icon	L (mm)	P	Icon
570410	3300	300	P1	25
570420	3400	400	P1	25
570430	3500	500	P1	25
570440	3600	600	P1	25



Icon	Icon	L (mm)	P	Icon
570560	3001	300	P1	25
570570	3002	400	P1	25
570580	3003	500	P1	25
570590	3004	600	P1	25

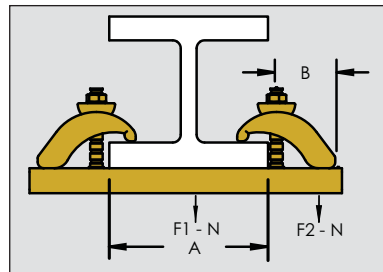
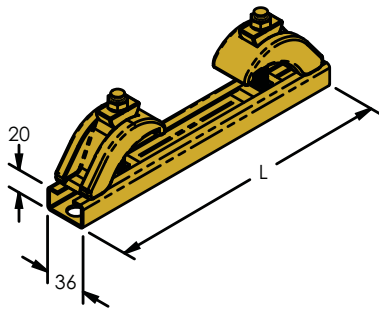
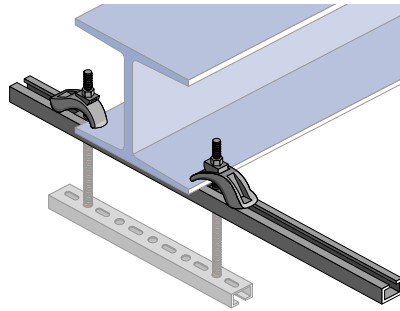


Icon	Icon	P	Icon
570500	3025	P1	50

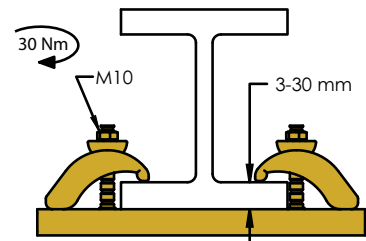




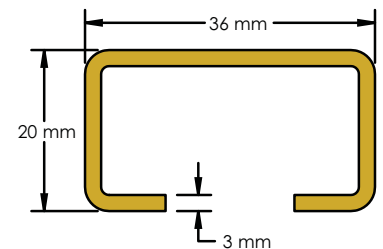
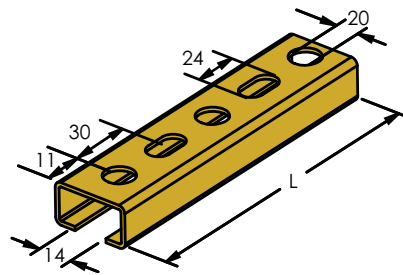
		L (mm)	
P3			
335000	5130	300	1
335010	5140	400	1
335020	5150	500	1
335030	5160	600	1
335040	5170	800	1
P2			
335050	5130-2	300	1
335060	5140-2	400	1
335070	5150-2	500	1
335080	5160-2	600	1
335090	5170-2	800	1



A (mm)	F1 ↓	B (mm)	F2 ↓
100	3500	100	1700
200	1750	200	800
300	1100	300	500
400	800	400	400
500	700	500	350
600	500	600	250



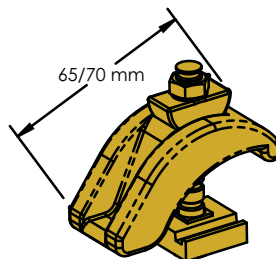
		L (mm)	
P3			
335500	5101	300	10
335510	5102	400	10
335520	5103	500	10
335530	5104	600	10
335540	5105	800	10
335550	5106	1,000	10
335560	5107	2,000	10
335570	5109	3,000	10
335580	5110	6,000	10
P2			
335590	5101-2	300	10
335600	5102-2	400	10
335610	5103-2	500	10
335620	5104-2	600	10
335630	5105-2	800	10
335640	5106-2	1,000	10
335650	5107-2	2,000	1
335660	5109-2	3,000	1
335670	5110-2	6,000	1



5120



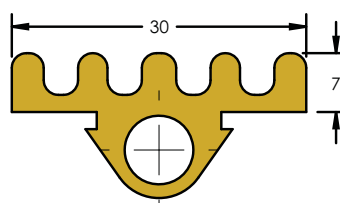
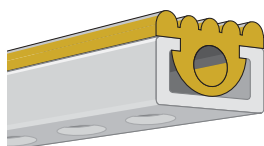
P3		
335100	5120	20
P2		
335120	5120-2	20



5195



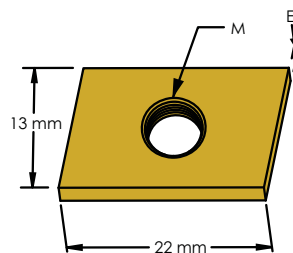
P			
335990	5195	EPDM	1 (20 m)



iM



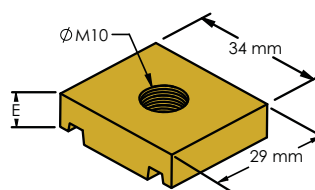
P3				
		M	E (mm)	
335170	iM6	M6	4.5	100
335180	iM8	M8	6.0	100
335190	iM10	M10	7.5	100
P2				
335200	iM6-2	M6	4.5	100
335210	iM8-2	M8	6.0	100
335220	iM10-2	M10	7.5	100



5190

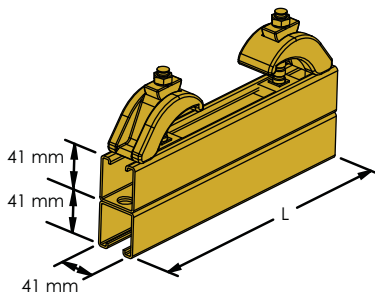
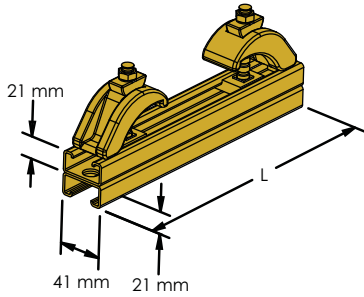
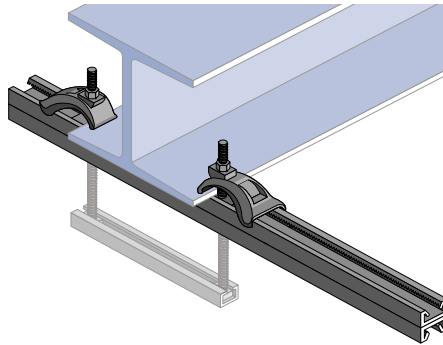


P3			
		E	
335150	5190	11	50
P2			
335160	5190-2	11	50

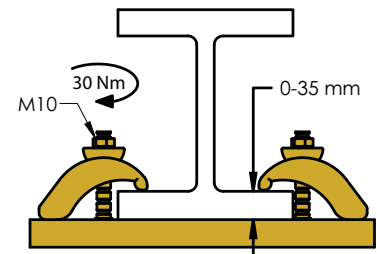
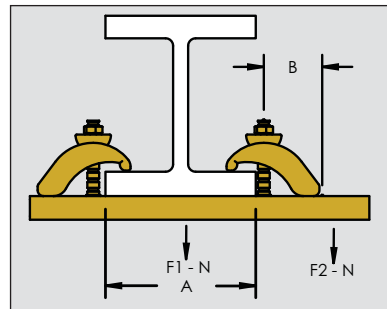




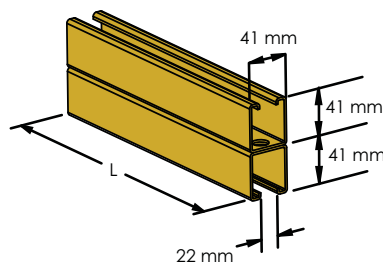
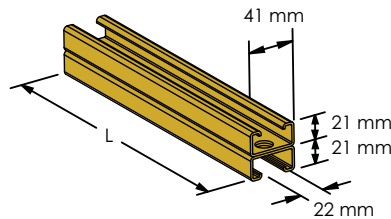
			L (mm)	P	
2x (41 x 21 x 2,5)					
330000	6130		300	P3	1
330010	6140		400	P3	1
330020	6150		500	P3	1
330030	6160		600	P3	1
330040	6180		800	P3	1
2x (41 x 41 x 2,5)					
330100	6530		300	P3	1
330110	6540		400	P3	1
330120	6550		500	P3	1
330130	6560		600	P3	1
330140	6580		800	P3	1



	A mm	F1 ↓	B mm	F2 ↓
2x (41 x 21 x 2,5)				
	300	3000	300	1500
	400	2250	400	1100
	500	1800	500	900
	600	1500	600	700
2x (41 x 41 x 2,5)				
	300	9500	300	4500
	400	7000	400	3500
	500	5500	500	2850
	600	4500	600	2300



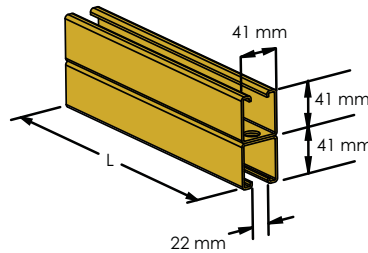
			L (mm)	P	
2x (41 x 21 x 2,5)					
330200	6101		300	P3	10
330210	6102		400	P3	10
330220	6103		500	P3	10
330230	6104		600	P3	10
330240	6105		800	P3	10
330250	6106		1,000	P3	5
330260	6107		2,000	P3	5
2x (41 x 41 x 2,5)					
330380	6501		300	P3	10
330390	6502		400	P3	10
330400	6503		500	P3	10
330410	6504		600	P3	10
330420	6505		800	P3	10
330430	6506		1,000	P3	5
330440	6507		2,000	P3	5



AAC



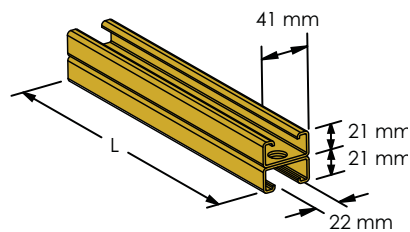
			L (mm)	P	
P1					
310181	AAC30-1		300	P1	5
310191	AAC60-1		600	P1	5
P2					
310210	AAC60-2		600	P2	1
P3					
310221	AAC30-3		300	P3	5
310222	AAC40-3		400	P3	5
310231	AAC 60-3		600	P3	5



DDC



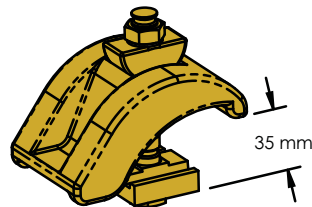
			L (mm)	P	
P1					
310061	DDC30-1		300	P1	5
310071	DDC60-1		600	P1	5
P2					
310080	DDC30-2		300	P2	4
310090	DDC60-2		600	P2	1
P3					
310101	DDC30-3		300	P3	5
310111	DDC60-3		600	P3	5



6120



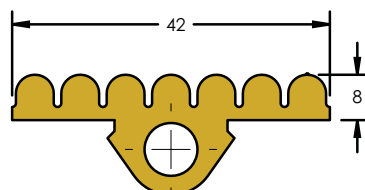
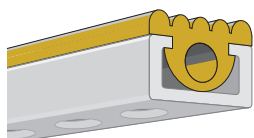
P3			
330600	6120		20
P2			
330610	6120		20



6195



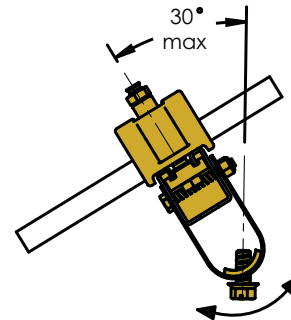
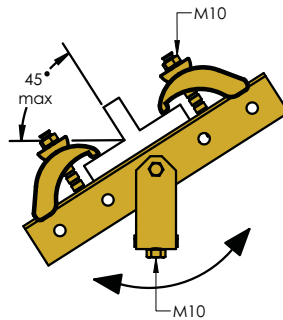
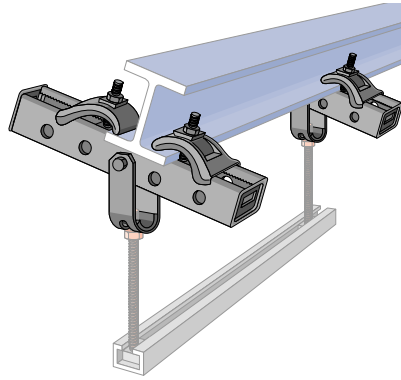
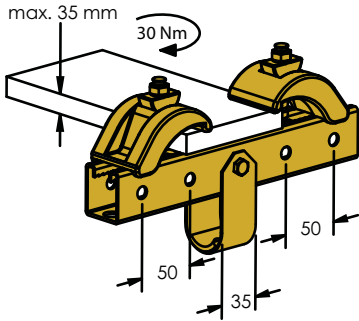
			P	
335980	6195		EPDM	1 (20.0 m)



6000 HB



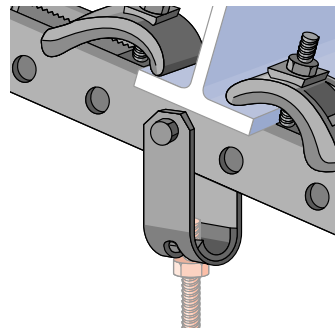
Icon: Globe	Icon: Book	L (mm)	P	Icon: Cube	Icon: Arrow Down
336000	6001HB	300	P1 + P3	1	3000 N
336010	6002HB	400	P1 + P3	1	2300 N
336020	6003HB	500	P1 + P3	1	1800 N



6000 HB Swivel



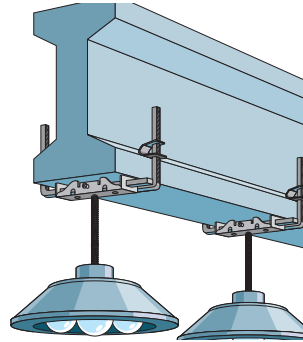
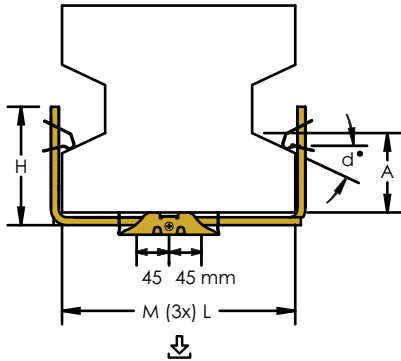
Icon: Globe	Icon: Book	P	Icon: Cube
388350	SWIVEL 6000HB	P1 + P3	1



UBH



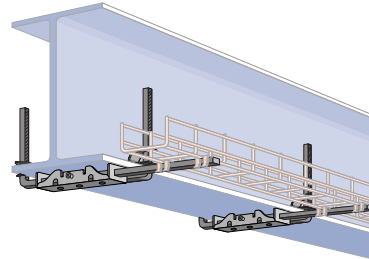
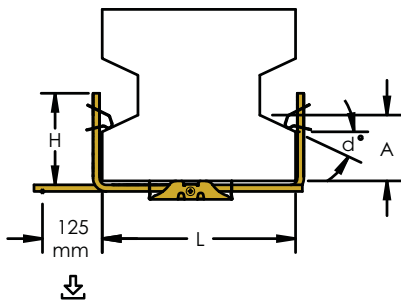
🌐	📖	A (mm)	H (mm)	L (mm)	M	d°	P	📦	⬇️ 0°-20°	⬇️ 20°-40°
190530	UBH 35	3 - 110	170	200 - 350	M6	0-20° / 20-40°	P1	20	750 N	500 N
190490	UBH 35	3 - 110	170	200 - 350	M8	0-20° / 20-40°	P1	20	750 N	500 N
190540	UBH 50	3 - 150	210	300 - 500	M6	0-20° / 20-40°	P1	20	750 N	500 N
190500	UBH 50	3 - 150	210	300 - 500	M8	0-20° / 20-40°	P1	20	750 N	500 N



UBHT

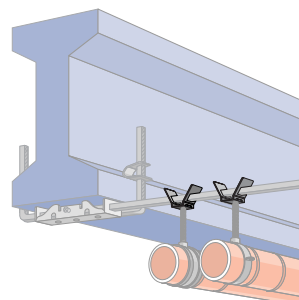
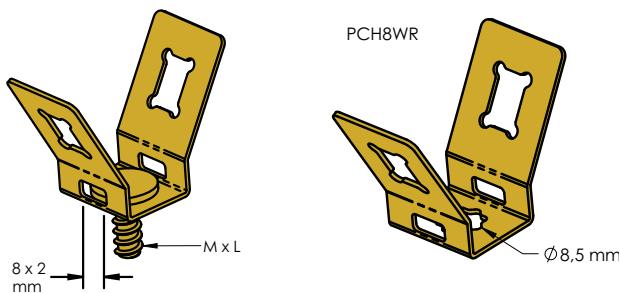


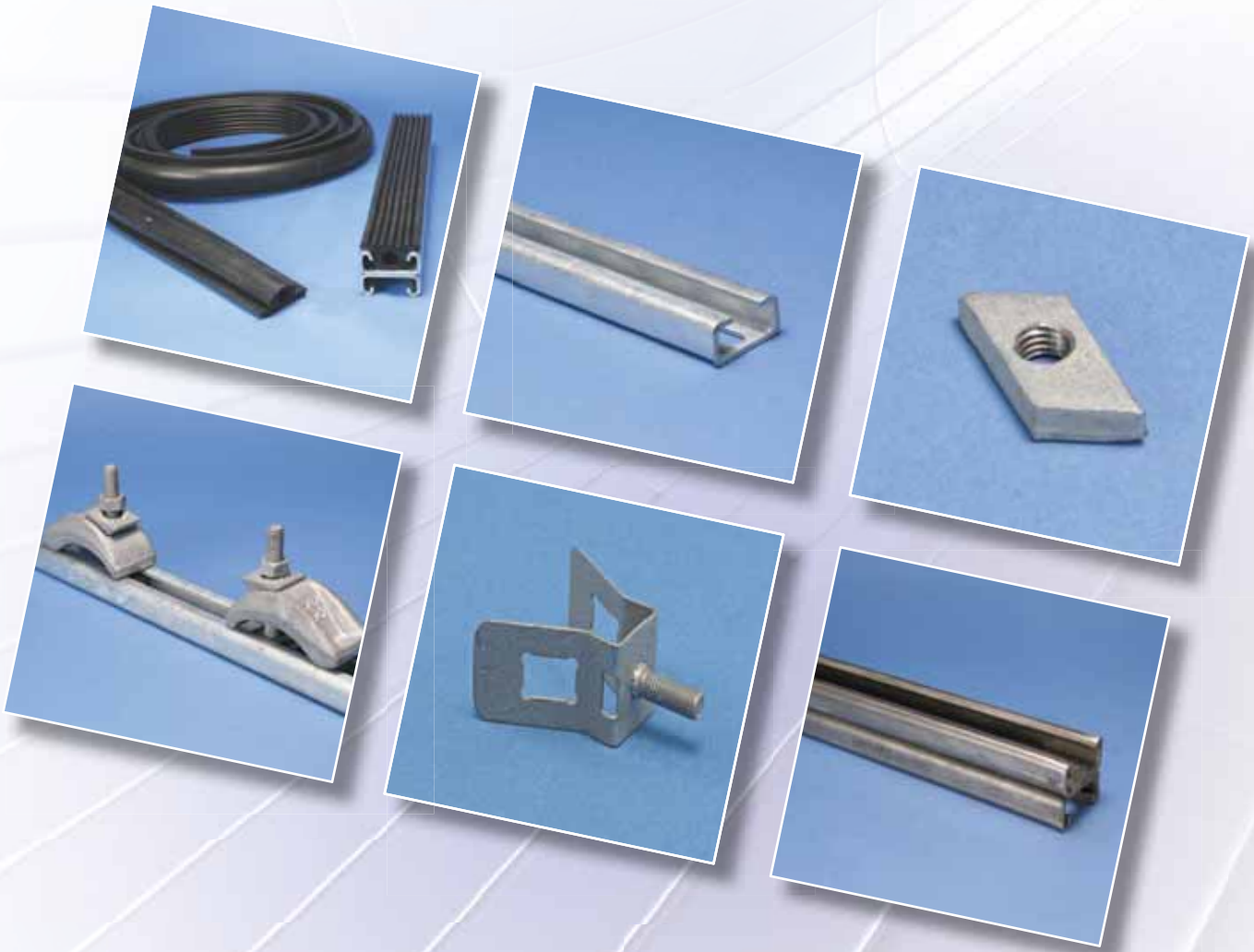
🌐	📖	A (mm)	H (mm)	L (mm)	d°	P	📦	⬇️ 0°-20°	⬇️ 20°-40°
190510	UBHT 35	3 - 110	170	200 - 350	0-20° / 20-40°	P1	20	750 N	500 N
190520	UBHT 50	3 - 150	210	350 - 500	0-20° / 20-40°	P1	20	750 N	500 N



PCH

🌐	📖	M x L (mm)	Ø (mm)	P	📦
190630	PCH6	M6 x 16	-	P21	100
190640	PCH8	M8 x 15	-	P21	100
190650	PCH8WR	-	8.5	P21	100





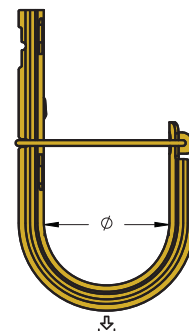




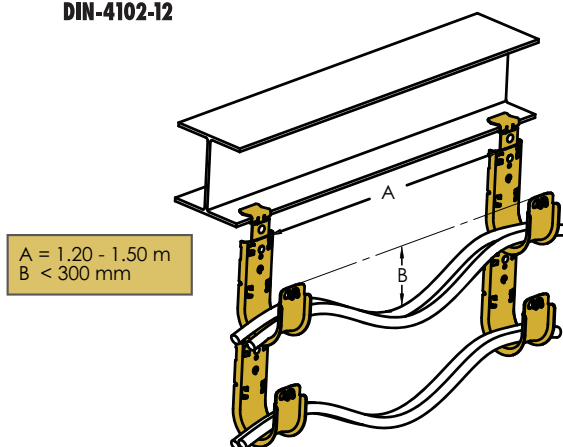
Icon	Icon	Ø (mm)	P	Icon	Icon	SF
181061	CAT16HPE	25	P1	50	267 N	3:1
181062	CAT32HPE	50	P1	50	267 N	3:1
181063	CAT48HPE	75	P1	25	267 N	3:1
181064	CAT64HPE	100	P1	25	267 N	3:1



Icon	Icon	AWG	Icon	CAT16HPE	CAT32HPE	CAT48HPE	CAT64HPE
UTP	4	24	5	25	90	210	350
FTP	4	24	6	15	60	145	245
SFTP	4	24	6	15	60	145	245
SFTP	4	23	7	12	45	105	180
F/STP	4	23	8.5	9	30	70	120
SFTP	4	23	8.5	9	30	70	120
UTP	2 x 4	24	5 x 10	10	35	80	140
FTP	2 x 4	24	6 x 12.5	6	20	55	90
SFTP	2 x 4	24	6 x 13	6	20	50	90
SFTP	3 x 4	24	14	3	12	25	45
UTP	25	24	13	4	14	30	50
Cat 5e	-	-	5.26	20	80	190	320
Cat 6	-	-	6.63	14	50	120	200
Cat 6a (min)	-	-	7.62	11	35	90	150
Cat 6a (max)	-	-	8.99	8	25	65	110

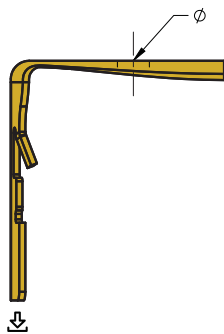


DIN-4102-12



CATHPEAN

🌐	📖	∅ (mm)	P	📦	⬇️	SF
181065	CATHPEAN	4.7	P21	50	712 N	3:1
181066	CATHPEA4	7.2	P21	50	890 N	3:1
181067	CATHPEA6	10.4	P21	50	890 N	3:1



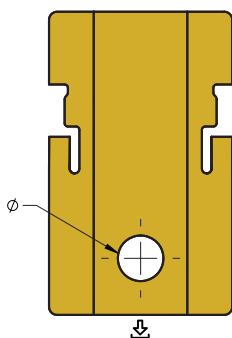
+U
p.112



p.201

CATHPS4

🌐	📖	∅ (mm)	P	📦	⬇️	SF
181068	CATHPS4	7	P21	50	890 N	3:1

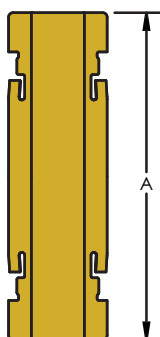


+U
p.112

p.201

CATHPETM

🌐	📖	A (mm)	P	📦	⬇️	SF
181069	CATHPETM	111	P21	50	890 N	3:1



+U
p.112

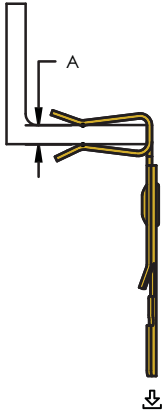


p.201

CATHPE - H



🌐	📖	A (mm)	P	📦	⬇️	SF
181075	CATHPE24SM	3 - 8	P21	50	890 N	3:1
181076	CATHPE58SM	8 - 14	P21	50	890 N	3:1
181077	CATHPE912SM	14 - 20	P21	25	890 N	3:1



+U
p.112

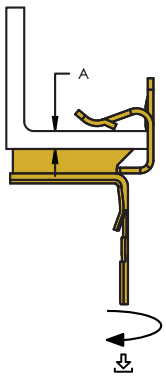
CATHPE

p.201

CATHPE-EM



🌐	📖	A (mm)	P	📦	⬇️	SF
181091	CATHPE24	3 - 8	P21	25	334 N	3:1
181071	CATHPE58	8 - 14	P21	25	334 N	3:1
181072	CATHPE912	14 - 20	P21	25	334 N	3:1



+U
p.112

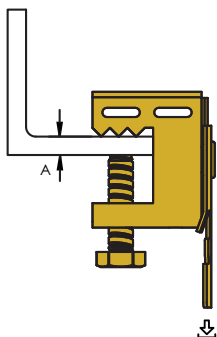
CATHPE

p.201

CATHPEBC



🌐	📖	A (mm)	P	📦	⬇️	SF
181078	CATHPEBC	<16	P21	50	445 N	3:1



+U
p.112

CATHPE

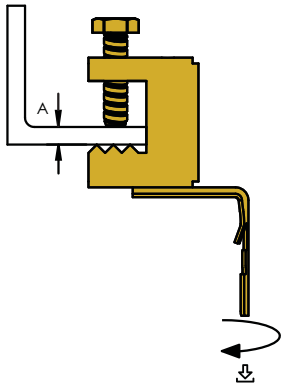
p.201



CATHPEBCB



		A (mm)	P			SF
181073	CATHPEBCB	<16	P21	25	267 N	3:1



+U
p.112

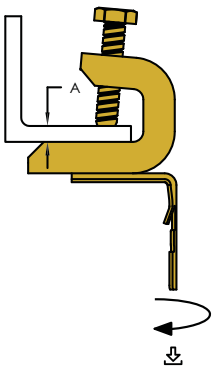


p.201

CATHPEBC200B



		A (mm)	P			SF
181074	CATHPEBC200B	<16	P1	25	445 N	3:1



+U
p.112

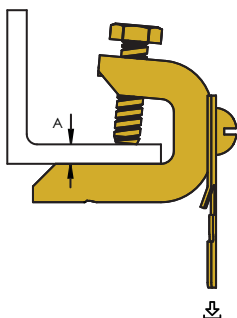


p.201

CATHPEBC200



		A (mm)	P			SF
181079	CATHPEBC200	<16	P1	25	445 N	3:1



+U
p.112

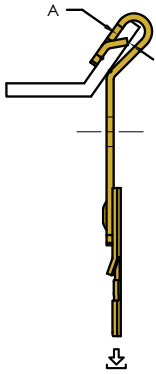


p.201

CATHPEAF14



		A (mm)	P			SF
181092	CATHPEAF14	1.5 - 6	P21	50	445 N	3:1



+U
p.112

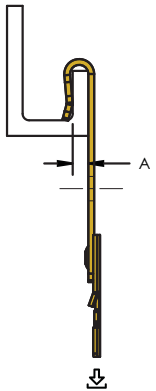


p.201

CATHPEVF14



		A (mm)	P			SF
181081	CATHPEVF14	1.5 - 6	P21	50	712 N	3:1



+U
p.112

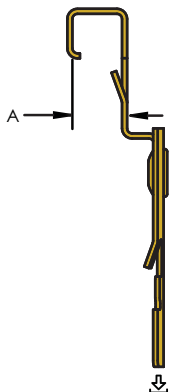


p.201

CATHPEESC



		A (mm)	P			SF
181082	CATHPEESC	9.9	P21	50	445 N	3:1



+U
p.112



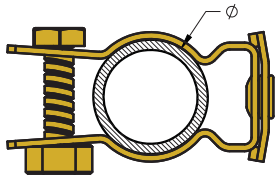
p.201



CATHPE - CD



Icon	Icon	Ø (mm)	P	Icon	Icon	SF
181085	CATHPECD0B	17-22	P1	25	70	3:1
181086	CATHPECD1B	19-25	P1	25	70	3:1
181088	CATHPECD2.5B	31-38	P1	25	70	3:1
181087	CATHPECD2B	25-33	P1	25	70	3:1



+U
p.112

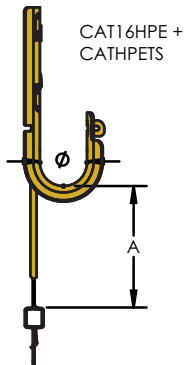


p.201

CATHPETS



Icon	Icon	Ø (mm)	A (mm)	P	Icon
181089	CATHPETS	25	65	P21	25



CAT16HPE +
CATHPETS



+U
p.112



p.201

CATHPE-Z



Icon	Icon	Ø	P	Icon	Icon	SF
181083	CATHPE4Z34	M4-M8	P21	50	110	3:1
181084	CATHPE6Z34	M8-M12	P21	50	110	3:1



+U
p.112

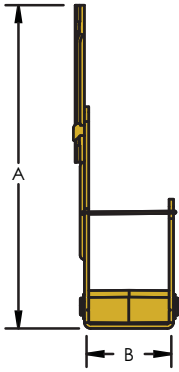


p.201

CATHPEPLR



		A (mm)	B (mm)	P	
181093	CATHPEPLR	152	57	P1	2



CATHPE

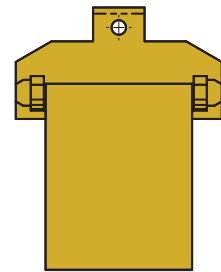
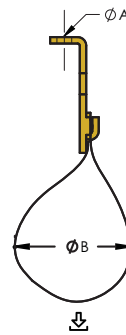


CADDY® CAT425



		Ø A (mm)	Ø B (mm)	P			SF
181130	CAT425	7	100/150	P1	10	450 N	3:1

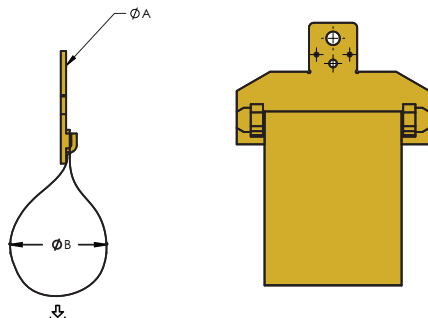
		AWG	Ø (mm)	CAT425/ 425WM
UTP	4	24	5	425
FTP	4	24	6	300
SFTP	4	24	6	300
SFTP	4	23	7	225
F/STP	4	23	8.5	150
SFTP	4	23	8.5	150
UTP	2 x 4	24	5 x 10	212
FTP	2 x 4	24	6 x 12.5	150
SFTP	2 x 4	24	6 x 13	135
SFTP	3 x 4	24	14	55
UTP	25	24	13	65
CAT 5e	-	-	5.25	380
CAT 6	-	-	6.60	240
CAT 6a (min)	-	-	7.62	180
CAT 6a (max)	-	-	8.99	130



CADDY® CAT425 WM



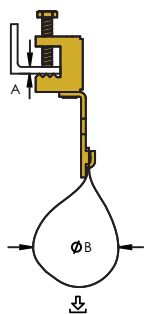
		Ø A (mm)	Ø B (mm)	P			SF
181880	CAT425WM	7	100/150	P1	10	450 N	3:1



CADDY® CAT425 EBC



Icon	Icon	A (mm)	Ø B (mm)	P	Icon	Icon	SF
181360	CAT 425 EBC	<16	100/150	P21	20	450 N	3:1



CADDY® CAT600



Icon	Icon	Fig. #	P	Icon
181930	CAT600R	1	P1	2
181940	CAT600WM	2	P1	2



CAT600R



CAT600WM



Fig. #1



Fig. #2

CADDY® CAT TRAX



Icon	Icon	Fig. #	L (mm)	Ø 1 (mm)	Ø 2 (mm)	P	Icon	Icon	SF
182300	CADDY CAT TRAX 25	1	7600	10	203.2	P1	1	900 N	3:1
182310	CT128TR	2	-	-	-	P1	5	-	-

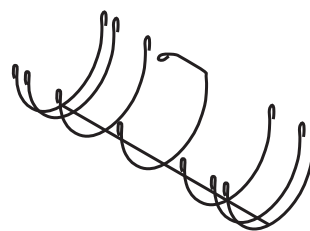
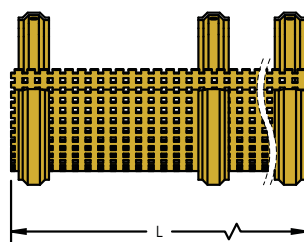
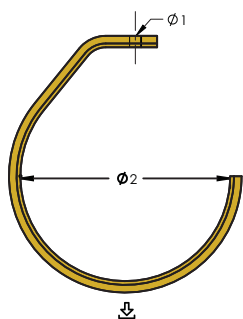


Fig. #1



Fig. #2

CADDY® CAT CM



🌐	📖	Fig. #	∅ (mm)	A (mm)	P	📦
181976	CAT100CM	1	10.5	185	P1	20
181982	CAT200CMLN	2	10	203	P1	10
181984	CAT300CMLN	2	10	304	P1	10
181987	CATTBCM	3	17	100	P1	30

📖	⊕	AWG	∅ (mm)	CAT100CM	CAT200CMLN	CAT300CMLN
UTP	4	24	5	80	540	650
FTP	4	24	6	55	375	450
SFTP	4	24	6	55	375	450
SFTP	4	23	7	40	275	330
F/STP	4	23	8.5	25	180	225
SFTP	4	23	8.5	25	180	225
UTP	2 x 4	24	5 x 10	30	200	250
FTP	2 x 4	24	6 x 12.5	20	140	170
SFTP	2 x 4	24	6 x 13	20	135	160
SFTP	3 x 4	24	14	10	65	80
UTP	25	24	13	10	80	90
Cat 5e	-	-	5.25	70	490	590
Cat 6	-	-	6.6	45	310	370
Cat 6a (min)	-	-	7.62	30	230	280
Cat 6a (max)	-	-	8.99	20	165	200



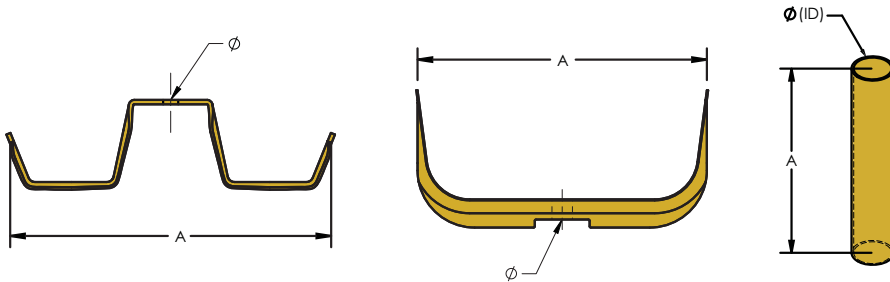
Fig. #1



Fig. #2



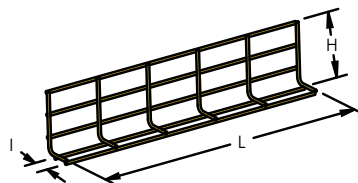
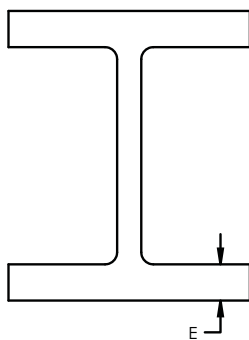
Fig. #3







BTF

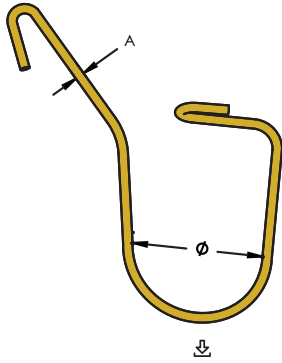


🌐	📖	E (mm)	H (mm)	I (mm)	L (mm)	P	📦
160820	BTF24	3 - 8	110	50	1500	P1	10
160830	BTF58	8 - 14	110	50	1500	P1	10
160840	BTF912	14 - 20	110	50	1500	P1	10



BR





		\emptyset (mm)	A (mm)	P			SF
172910	BR50	50	4	P1	100	330 N	3:1

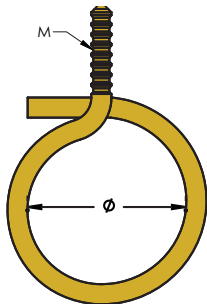


 EBC, EM, H

GR







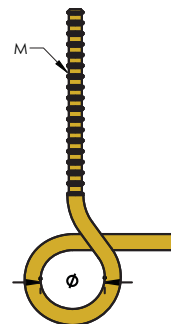
		\emptyset (mm)	M	P			SF
172920	GR50	50	M6	P1	100	220 N	3:1



PTB



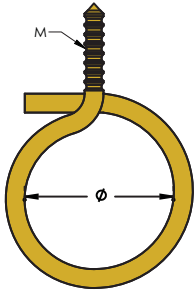
		\emptyset (mm)	M	P			SF
172921	PTBM6	12	M6	P1	100	220 N	3:1
172922	PTBM8	16	M8	P1	100	220 N	3:1



4BRT32WS



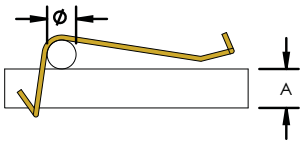
Icon	Part No.	Ø (mm)	M	P	Icon	Icon	SF
🌐	4BRT32WS	50	#14	P1	📦	⬇️	3:1



WCTM

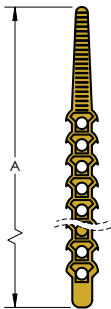


Icon	Part No.	Ø (mm)	A (mm)	P	Icon
🌐	WCTM	5	8	P2	📦



CATMTLS

Icon	Part No.	A (mm)	P	Icon
🌐	CATMTLS	300	P11	📦

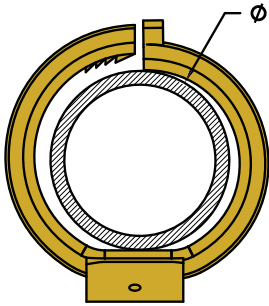




CADDY® CAT CR50



		\emptyset (mm)	P		
182335	CATCR50	<50	P12	25	45 N



CADDY® LINIAN



		Fig. #	\emptyset	\ominus (mm)	\oplus (mm)	P		
179055	LI1	1	6-8	6	40	P6.2	100	107 N
179056	LI2	1	9-11	6	40	P6.2	100	107 N
179057	LI1B	2	6-8	6	40	P6.3	100	107 N
179058	LI2B	2	9-11	6	40	P6.3	100	107 N
179059	LI1W	3	6-8	6	40	P6.4	100	107 N
179061	LI2W	3	9-11	6	40	P6.4	100	107 N

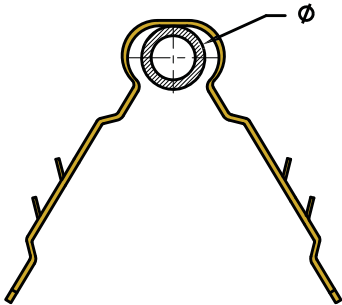


Fig. #1



Fig. #2



Fig. #3



SCMKBE



182351	SCMKBE	Fig. #	A (mm)	B (mm)	P	20	330 N
		1	8.0 - 14.0	78	P21		

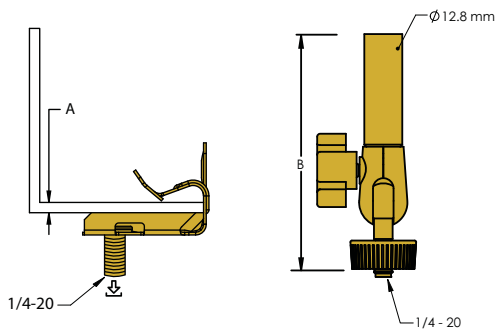


Fig. #1

SCMKCE



182352	SCMKCE	Fig. #	B (mm)	P	20	80 N
		2	600	P21		

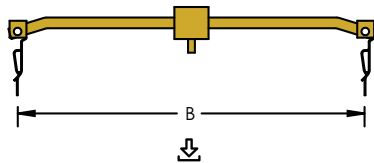


Fig. #2

SCMKTE



182353	SCMKTE	Fig. #	A (mm)	B (mm)	P	20	290 N
		3	1.5	24 - 26	P21		

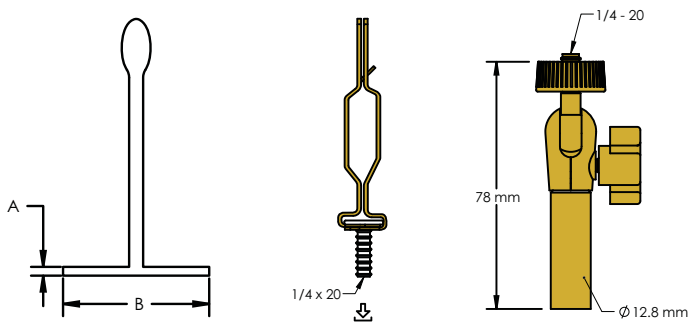


Fig. #3

SCMKWE



182354	SCMKWE	Fig. #	A (mm)	P	20	45 N
		4	152.4	P6		

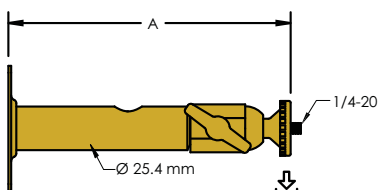
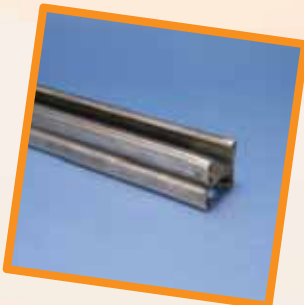
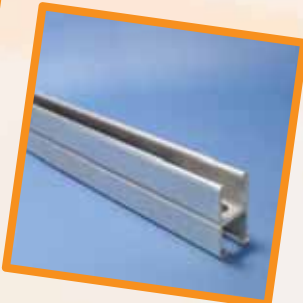


Fig. #4





P. 129



P. 130



P. 130



P. 133



P. 133



P. 149



P. 151



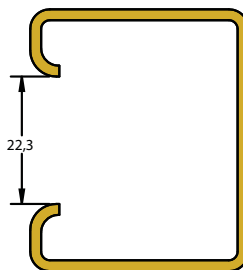
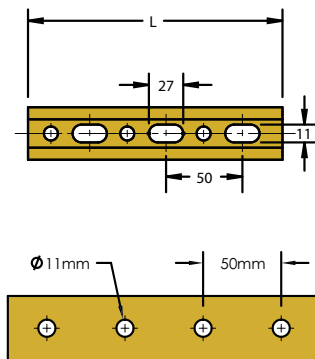
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AS



CADDY® ERISTRUT AS 41 x 41 x 2,5 mm

Icon	Icon	L (m)	Icon
P1			
310360	AS 30-1	3	10
310370	AS 60-1	6	10
P3			
310400	AS 30-3	3	10
310410	AS 60-3	6	10

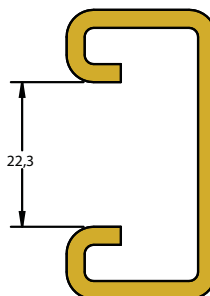
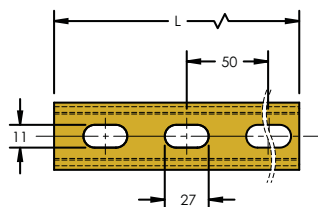


LDC



CADDY® ERISTRUT LDC 21 x 41 x 1,5 mm

Icon	Icon	L (m)	Icon
P1			
317116	LDC 20-1 2M	2	10
317119	LDC 30-1 3M	3	10
317131	LDC 60-1 6M	6	10
P2			
317117	LDC 20-2 2M	2	1

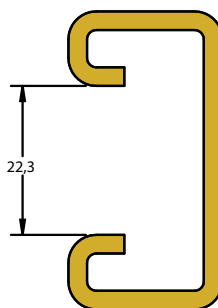
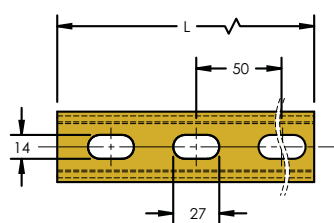


MDC



CADDY® ERISTRUT MDC 21 x 41 x 2 mm

Icon	Icon	L (m)	P	Icon
310256	MDC 20-1	2	P1	10
310257	MDC 30-1	3	P1	10

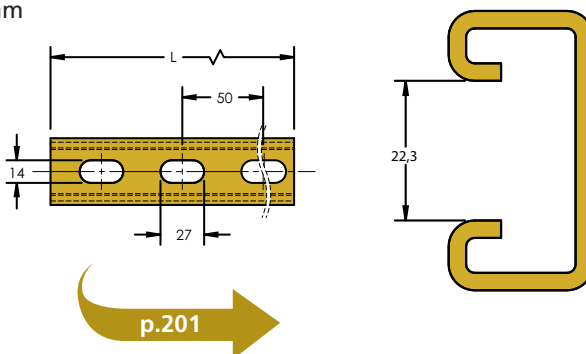


DC



CADDY® ERISTRUT DC 21 x 41 x 2,5 mm

🌐	📖	L (m)	📦
P1			
387365	DC 20-1 2M	2	10
310241	DC 30-1 3M	3	10
310283	DC 40-1 4M	4	10
310255	DC 60-1 6M	6	10
P2			
310265	DC 60-2 6M	6	1
P3			
310281	DC 30-3 3M	3	10
310286	DC 40-3 4M	4	10
310291	DC 60-3 6M	6	10

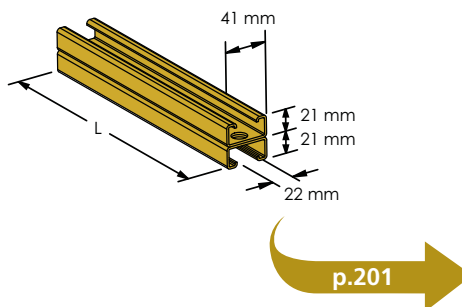


DDC



CADDY® ERISTRUT DDC 2 x 21 x 41 x 2,5 mm

🌐	📖	L (m)	📦
P1			
310061	DDC 30-1 3M	3	5
310071	DDC 60-1 6M	6	5
P3			
310101	DDC30-3 3M	3	5
310111	DDC 60-3 6M	6	5

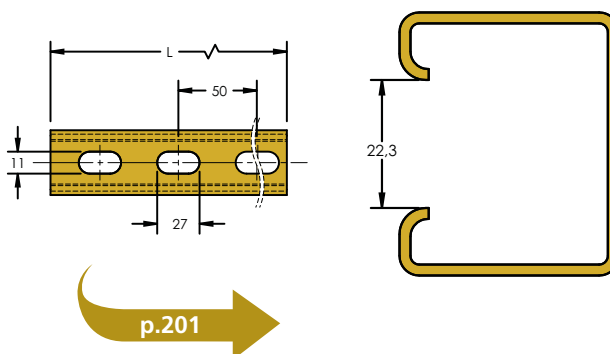


LAC



CADDY® ERISTRUT LAC 41 x 41 x 1,5 mm

🌐	📖	L (m)	📦
P1			
317096	LAC 20-1 2M	2	10
317099	LAC 30-1 3M	3	10
317111	LAC 60-1 6M	6	10
P2			
317345	LAC 20-2 2M	2	1
P3			
317241	LAC 30-3 3M	3	10
317251	LAC 60-3 6M	6	10

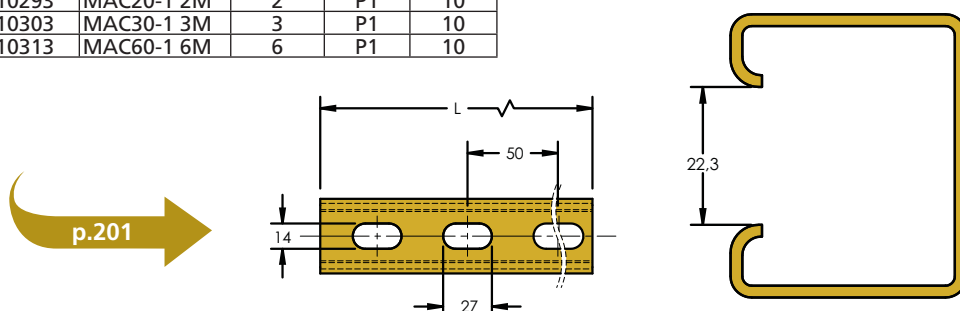


MAC



CADDY® ERISTRUT MAC 41 x 41 x 2 mm

🌐	📖	L (m)	P	📦
310293	MAC20-1 2M	2	P1	10
310303	MAC30-1 3M	3	P1	10
310313	MAC60-1 6M	6	P1	10

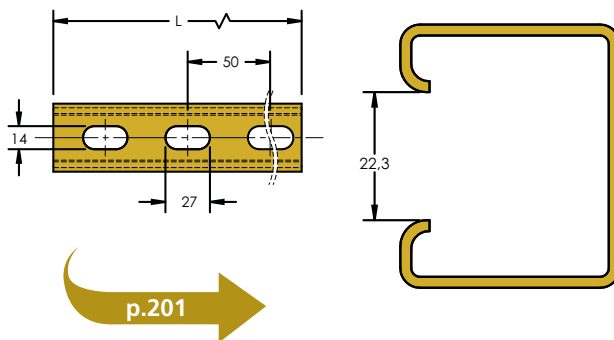


AC



CADDY® ERISTRUT AC 41 x 41 x 2,5 mm

🌐	📖	L (m)	📦
P1			
385505	AC 20-1 2M	2	10
310299	AC 30-1 3M	3	10
310333	AC 40-1 4M	4	10
310311	AC 60-1 6M	6	10
P2			
310326	AC 60-2 6M	6	1
P3			
310339	AC 30-3 3M	3	10
310332	AC 40-3 4M	4	10
310358	AC 60-3 6M	6	10

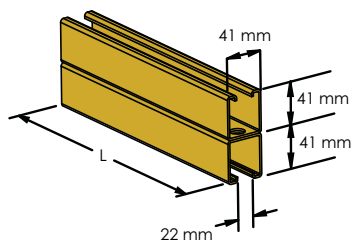
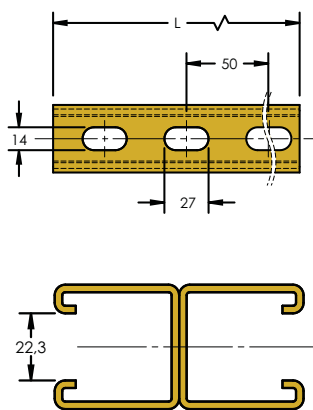


AAC



AAC 2 x 41 x 41 x 2,5 mm

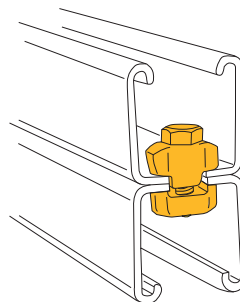
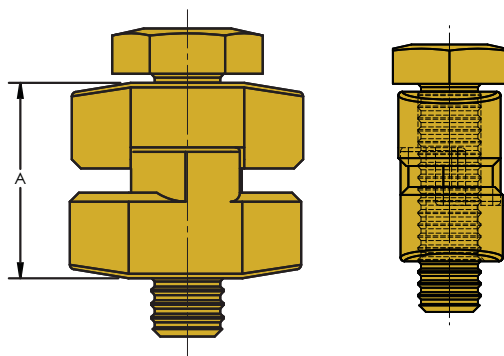
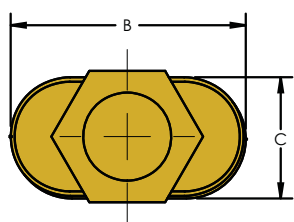
🌐	📖	L (m)	📦
P1			
310181	AAC30-1 3M	3	5
310191	AAC60-1 6M	6	5
P3			
310221	AAC30-3 3M	3	5
310222	AAC40-3 4M	4	5
310231	AAC60-3 6M	6	5



STS



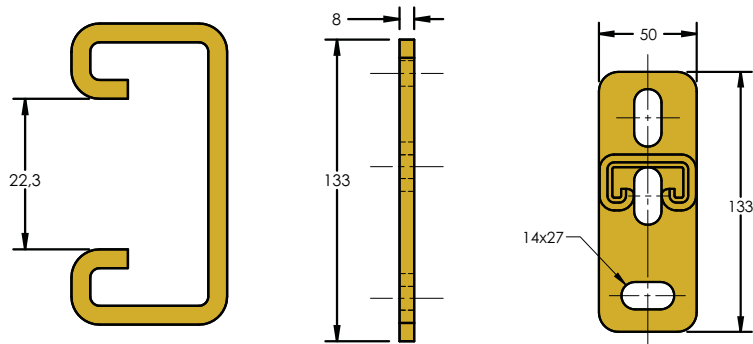
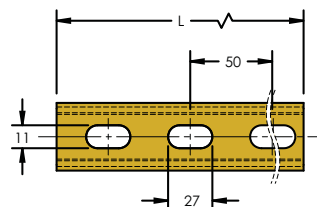
🌐	📖	A (mm)	B (mm)	C (mm)	📏	P	📦
315450	STS	22	25	12	41x21 + 41x41	P1	100





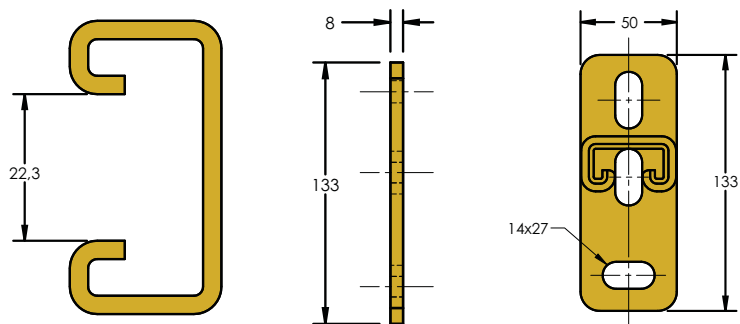
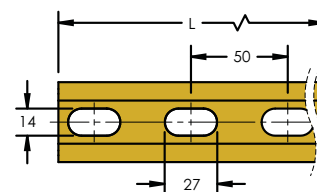
CADDY® ERISTRUT CLDC 21 x 41 x 1,5 mm

		L (mm)	
P1			
311681	CLDC 15-1 150mm	150	20
311686	CLDC 30-1 300mm	300	20
311691	CLDC 45-1 450mm	450	10
P3			
311680	CLDC 15-3 150mm	150	20
311685	CLDC 30-3 300mm	300	20
311690	CLDC 45-3 450mm	450	10



CADDY® ERISTRUT CDC 21 x 41 x 2,5 mm

		L (mm)	
P1			
311657	CDC 15-1 150mm	150	20
311667	CDC 30-1 300mm	300	10
311677	CDC 45-1 450mm	450	5
P2			
311658	CDC 15-2 150mm	150	20
311662	CDC 30-2 300mm	300	20
311668	CDC 45-2 450mm	450	10
P3			
311649	CDC 15-3 150mm	150	20
311659	CDC 30-3 300mm	300	10
311669	CDC 45-3 450mm	450	5

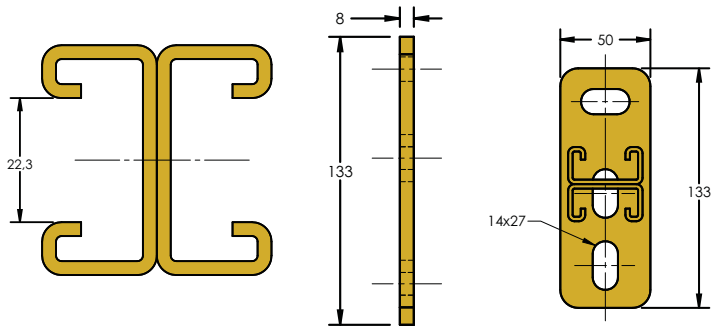
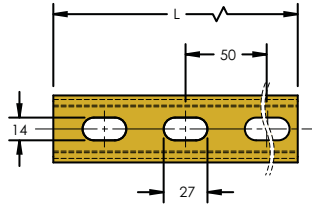


CDDC



CADDY® ERISTRUT CDDC 2 x 21 x 41 x 2,5 mm

Icon	Icon	L (mm)	P	Icon
311805	CDDC 30-3 300mm	300	P3	10
311815	CDDC 45-3 450mm	450	P3	5
311825	CDDC 60-3 600mm	600	P3	1
311835	CDDC 75-3 750mm	750	P3	1

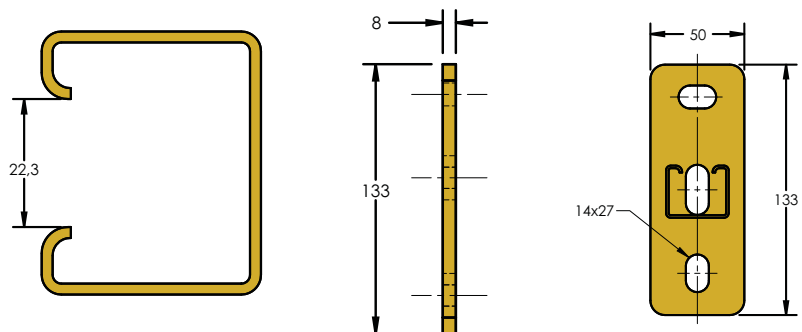
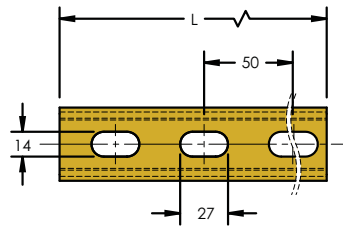


CAC



CADDY® ERISTRUT CAC 41 x 41 x 2,5 mm

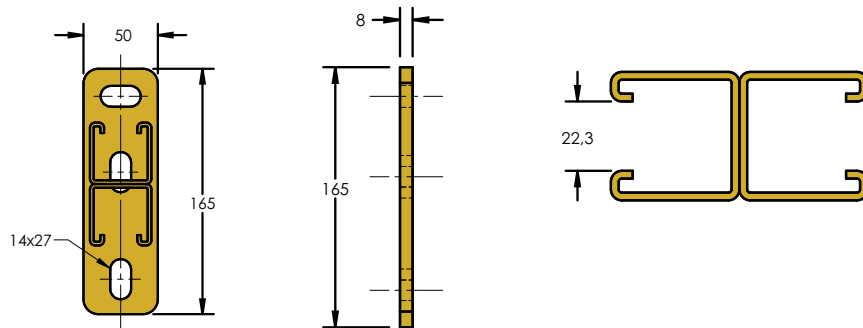
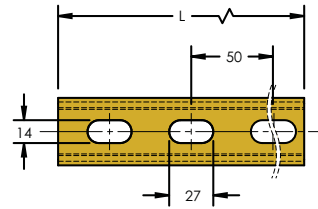
Icon	Icon	L (mm)	Icon
P1			
311707	CAC15-1 150mm	150	20
311708	CAC20-1 200mm	200	20
311717	CAC30-1 300mm	300	10
311728	CAC45-1 450mm	450	5
311729	CAC50-1 500mm	500	5
311731	CAC60-1 600mm	600	1
311756	CAC75-1 750mm	750	1
P2			
311693	CAC15-2 150mm	150	20
311694	CAC30-2 300mm	300	20
311695	CAC45-2 450mm	450	10
311696	CAC60-2 600mm	600	1
311697	CAC75-2 750mm	750	1
311698	CAC100-2 1000mm	1,000	1
P3			
311702	CAC15-3 150mm	150	20
311703	CAC20-3 200mm	200	20
311713	CAC30-3 300mm	300	10
311718	CAC45-3 450mm	450	5
311732	CAC50-3 500mm	500	5
311733	CAC60-3 600mm	600	1
311757	CAC75-3 750mm	750	1
311758	CAC100-3 1000mm	1,000	1
311759	CAC120-3 1200mm	1,200	1
311760	CAC150-3 1500mm	1,500	1
311761	CAC200-3 2000mm	2,000	1





CADDY® ERISTRUT CAAC 2 x 41 x 41 x 2,5 mm

🌐	📖	L (mm)	P	📦
311401	CAAC30-3 300mm	300	P3	5
311409	CAAC40-3 400mm	400	P3	5
311411	CAAC45-3 450mm	450	P3	5
311419	CAAC 50-3 500mm	500	P3	5
311421	CAAC 60-3 600mm	600	P3	1
311431	CAAC 75-3 750mm	750	P3	1
311439	CAAC80-3 800mm	800	P3	1
311441	CAAC90-3 900mm	900	P3	1
311451	CAAC 105-3 1050mm	1,050	P3	1

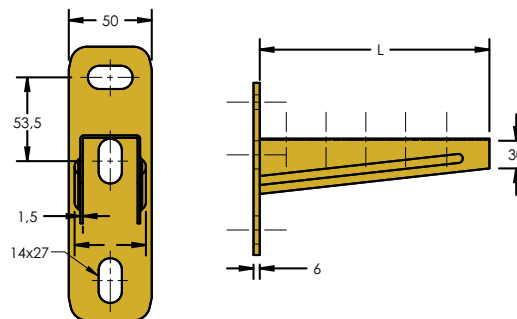


CTRI



CADDY® ERISTRUT CTRI 1,5 mm

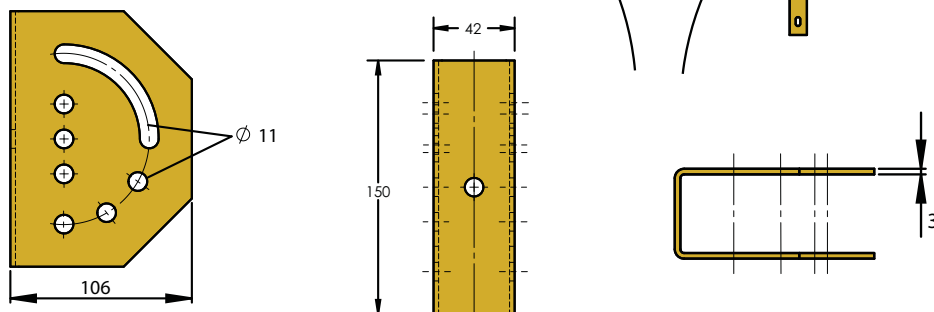
🌐	📖	L (mm)	P	📦
311920	CTRI12-3	120	P3	20
311925	CTRI16-3	160	P3	20
311930	CTRI21-3	210	P3	20
311935	CTRI26-3	260	P3	20
311940	CTRI31-3	310	P3	10
311945	CTRI41-3	410	P3	10
311950	CTRI51-3	510	P3	5
311955	CTRI61-3	610	P3	5



SNZ-SNA



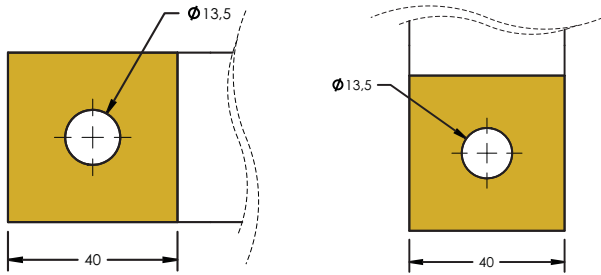
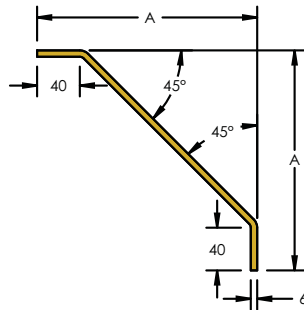
🌐	📖	📦
P1		
311905	SNZ-1	1
P3		
311900	SNA-3	1



ZWA 223 / ZWA 225



Icon	Icon	A (mm)	P	Icon
311841	ZWA 224	200	P3	1
311840	ZWA 223	300	P3	1
311842	ZWA 225	500	P3	1



KIT U



Icon	Icon	Fig. #	P	Icon	Icon	Icon
KIT U						
590000	KIT U 450	1	P3	1	1000 N	1000 N
590010	KIT U 600	1	P3	1	730 N	730 N
KIT U Silent						
589980	KIT U 450 silent	2	P3	1	1000 N	1000 N
589990	KIT U 600 silent	2	P3	1	730 N	730 N

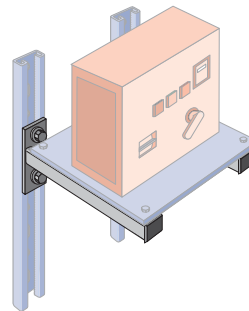


Fig. #1

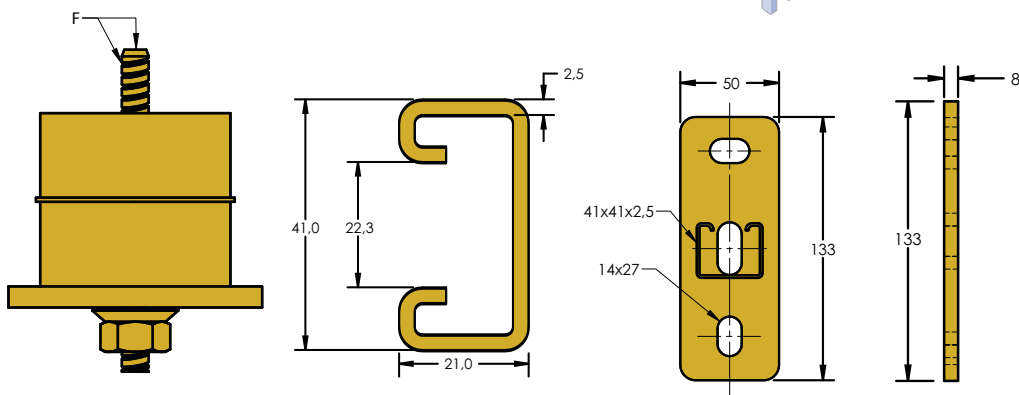
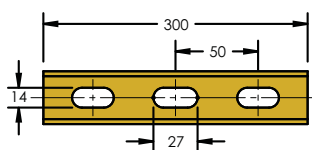
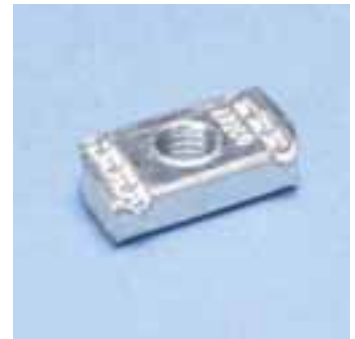


Fig. #2

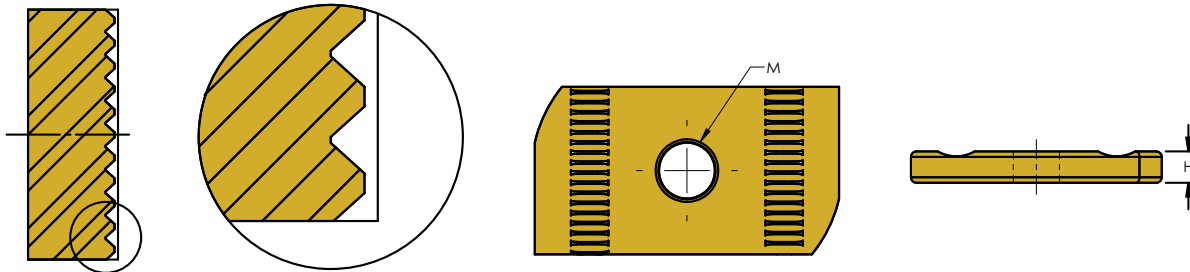




			H (mm)	M		
P1						
314995	UM 506-1	5	M6	100	12 N-m	
315015	UM 608-1	6	M8	100	28 N-m	
315025	UM 810-1	8	M10	100	55 N-m	
315035	UM 812-1	8	M12	100	95 N-m	
P2						
315140	UM 506-2	5	M6	100	12 N-m	
315150	UM 608-2	6	M8	100	28 N-m	
315160	UM 810-2	8	M10	100	55 N-m	
315170	UM 812-2	8	M12	100	95 N-m	
P3						
315000	UM 506-3	5	M6	100	12 N-m	
315010	UM 608-3	6	M8	100	28 N-m	
315020	UM 810-3	8	M10	100	55 N-m	
315030	UM 812-3	8	M12	100	95 N-m	



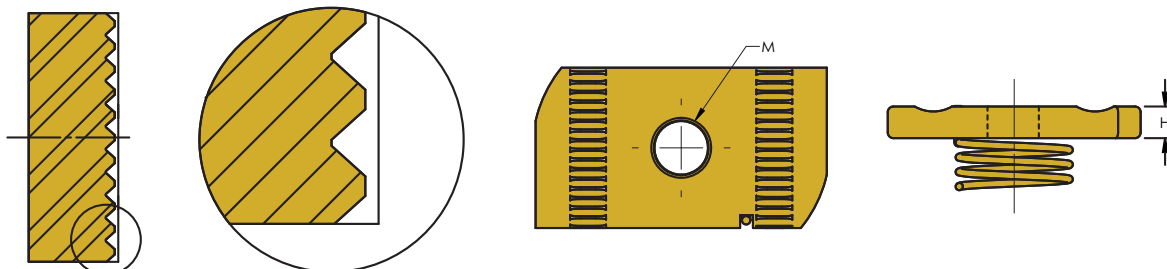
UM



			H (mm)	M		
P1						
315045	UD 506-1	5	M6	100	12 N-m	
315055	UD 608-1	6	M8	100	28 N-m	
315065	UD 810-1	8	M10	100	55 N-m	
315075	UD 812-1	8	M12	100	95 N-m	
P2						
315210	UD 506-2	5	M6	100	12 N-m	
315220	UD 608-2	6	M8	100	28 N-m	
315230	UD 810-2	8	M10	100	55 N-m	
315240	UD 812-2	8	M12	100	95 N-m	
P3						
315040	UD 506-3	5	M6	100	12 N-m	
315050	UD 608-3	6	M8	100	28 N-m	
315060	UD 810-3	8	M10	100	55 N-m	
315070	UD 812-3	8	M12	100	95 N-m	



UD



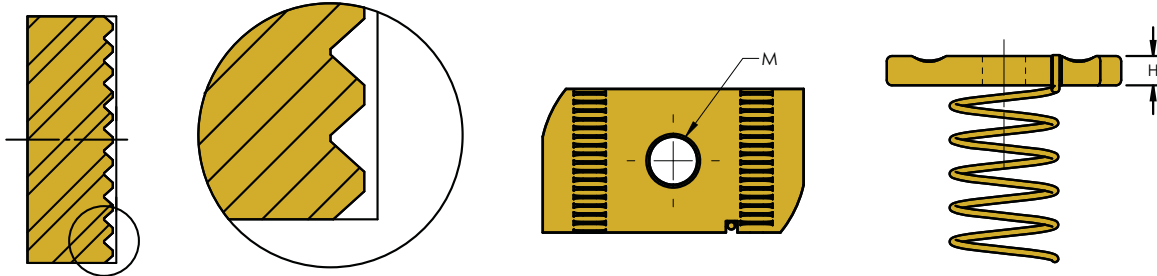
UA



🌐	📖	H (mm)	M	📦	↻
P1					
315085	UA 506-1	5	M6	100	12 N-m
315095	UA 608-1	6	M8	100	28 N-m
315105	UA 810-1	8	M10	100	55 N-m
315115	UA 812-1	8	M12	100	95 N-m
P2					
315180	UA 506-2	5	M6	100	12 N-m
315190	UA 608-2	6	M8	100	28 N-m
315120	UA 810-2	8	M10	100	55 N-m
315200	UA 812-2	8	M12	100	95 N-m
P3					
315080	UA 506-3	5	M6	100	12 N-m
315090	UA 608-3	6	M8	100	28 N-m
315100	UA 810-3	8	M10	100	55 N-m
315110	UA 812-3	8	M12	100	95 N-m



UA



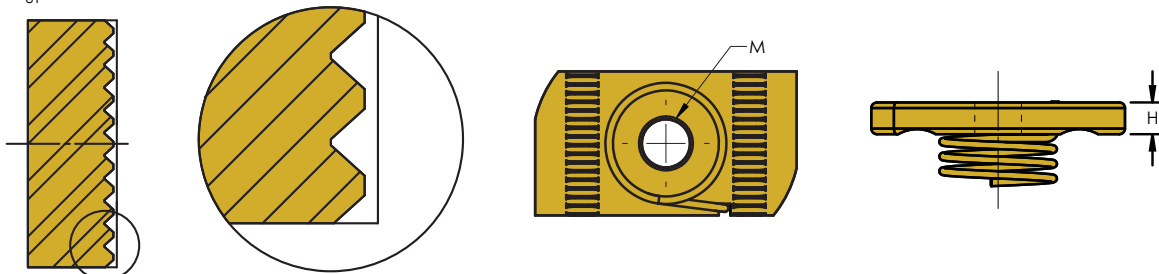
UT






🌐	📖	H (mm)	M	📦	↻
P1					
315305	UT 608-1	6	M8	100	28 N-m
315315	UT 810-1	8	M10	100	55 N-m
315325	UT 812-1	8	M12	100	95 N-m
P2					
315295	UT 506-1	6	M6	100	12 N-m
515332	UT 506-2	6	M6	100	12 N-m
515333	UT 608-2	6	M8	100	28 N-m
515334	UT 810-2	8	M10	100	55 N-m
515335	UT 812-2	8	M12	100	95 N-m
P3					
515331	UT 506-3	6	M6	100	12 N-m
315300	UT 608-3	6	M8	100	28 N-m
315310	UT 810-3	8	M10	100	55 N-m
315320	UT 812-3	8	M12	100	95 N-m

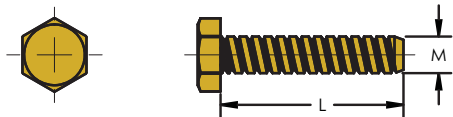


UT






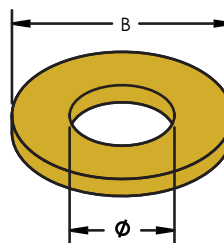
THM

		L (mm)	M	P	
593745	THM 10x25-3	25	M10	P3	100
593755	THM 10x30-3	30	M10	P3	100







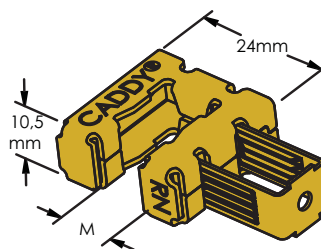
MU

		B (mm)	Ø (mm)	P	
592415	MU10-3	21	10.5	P3	100







ISN

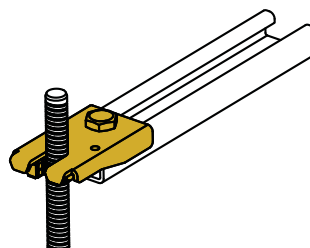
		M	P		
187340	ISN M6	M6	P1	50	550 N
187350	ISN M8	M8	P1	50	660 N
187360	ISN M10	M10	P1	50	660 N



ISSP



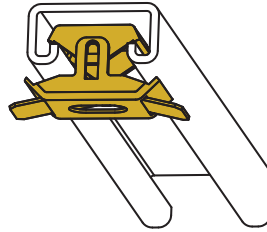
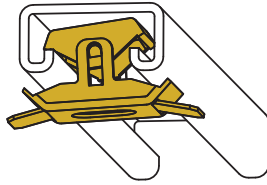
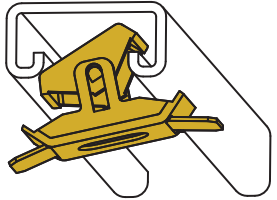
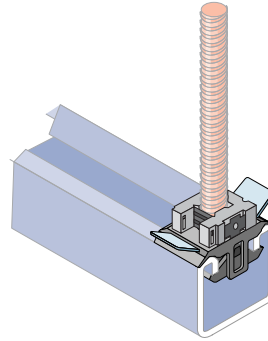
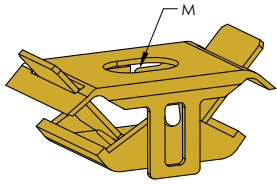
		M	P		
190800	ISSP	-	P1	50	-
190810	ISSP M6	M6	P1	24	750 N
190820	ISSP M8	M8	P1	24	1000 N
190830	ISSP M10	M10	P1	24	1000 N



CADDY® SLICK NUT



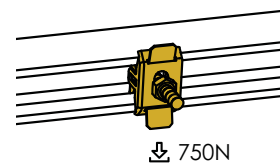
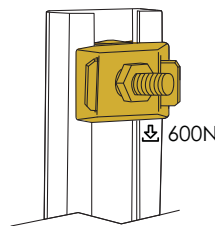
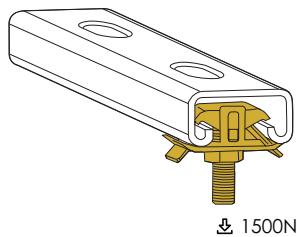
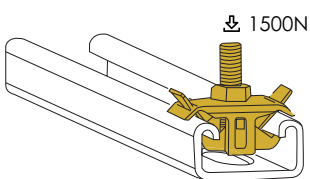
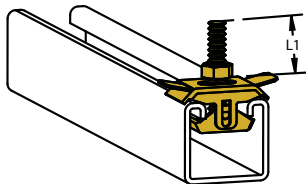
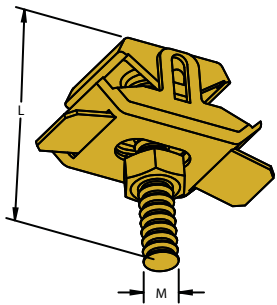
🌐	📖	M	P	📦
174460	SLICK M6	M6	P21	100
174340	SLICK M8	M8	P21	100
174350	SLICK M10	M10	P21	100
174550	SLICK M12	M12	P21	100



CADDY® SLICK NUT 50-130

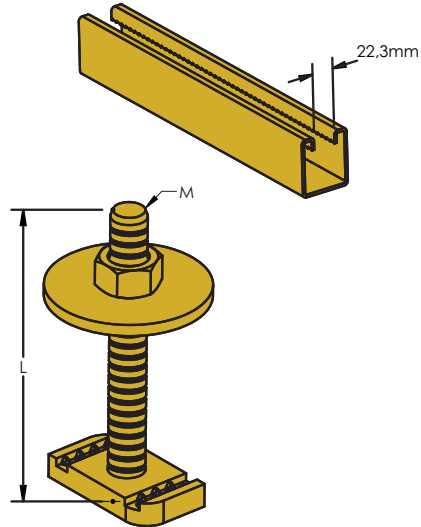


🌐	📖	L (mm)	L1 (mm)	M	P	📦
174360	CADDY SLICK NUT 50 M8	50	33	M8	P21	100
174370	CADDY SLICK NUT 70 M8	70	53	M8	P21	100
174380	CADDY SLICK NUT 90 M8	90	73	M8	P21	100
174390	CADDY SLICK NUT 110 M8	110	93	M8	P21	100
174400	CADDY SLICK NUT 130 M8	130	113	M8	P21	100
174410	CADDY SLICK NUT 50 M10	50	33	M10	P21	100
174420	CADDY SLICK NUT 70 M10	70	53	M10	P21	100
174430	CADDY SLICK NUT 90 M10	90	73	M10	P21	100
174440	CADDY SLICK NUT 110 M10	110	93	M10	P21	100
174450	CADDY SLICK NUT 130 M10	130	113	M10	P21	100





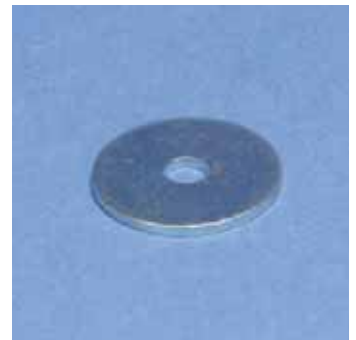
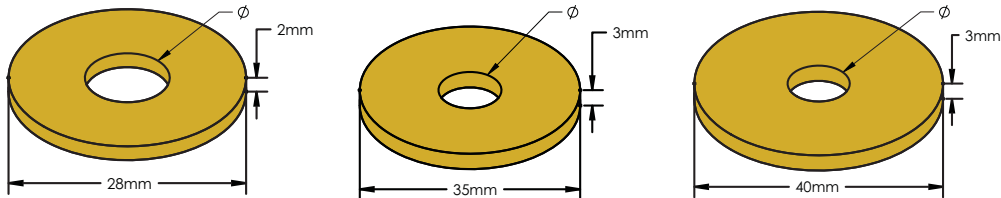
🌐	📖	L (mm)	M	📦
P1				
590220	TMN 41 8X30	30	M8	100
590080	TMN 41 8x40	40	M8	100
590221	TMN 41 8x50	50	M8	100
590222	TMN 41 8x60	60	M8	100
590223	TMN 41 8x100	100	M8	50
590090	TMN 41 10x40	40	M10	100
590224	TMN 41 10x50	50	M10	100
590225	TMN 41 10x60	60	M10	100
590226	TMN 41 10x70	70	M10	100
590227	TMN 41 10x80	80	M10	100
590228	TMN 41 10x90	90	M10	50
590100	TMN 41 12x40	40	M12	100
P2				
590093	TMN41- 8X40-2	40	M8	50
590094	TMN41-10X40-2	40	M10	50
590095	TMN41-12X40-2	40	M12	50



WSL



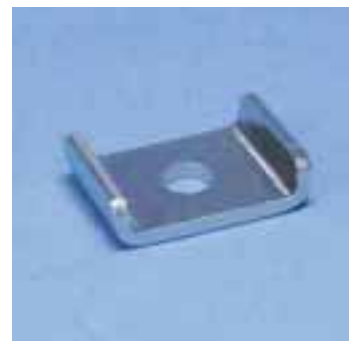
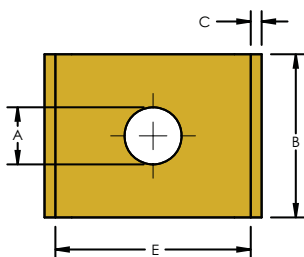
🌐	📖	Ø (mm)	P	📦
585200	WSL 28-6	6.2	P1	100
584596	WSL 28-8	8.4	P1	100
584597	WSL 28-10	10.5	P1	100
584598	WSL 35-8	8.4	P1	100
584599	WSL 35-10	10.5	P1	100
584600	WSL 40-8	8.4	P1	100
584610	WSL 40-10	10.5	P1	100
584611	WSL 40-13	13	P1	100
584612	WSL 40-17	17	P1	100



PLN



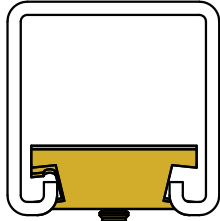
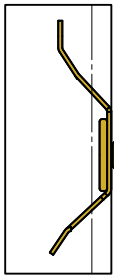
🌐	📖	A (mm)	B x C (mm)	E (mm)	📦
P1					
589925	PLN 42x30-8,4mm	8.4	30 x 3	42	100
589930	PLN 42x30-10,5mm	10.5	30 x 3	42	100
589940	PLN 42x30-13,0mm	13.0	30 x 3	42	100
P2					
589928	PLN 50X40-11mm	11.0	40 x 2	50	1



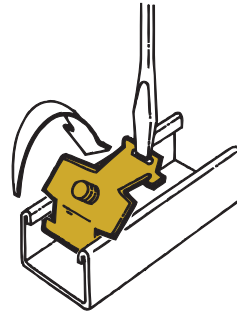
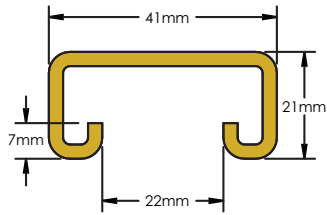
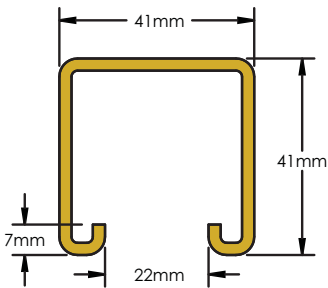
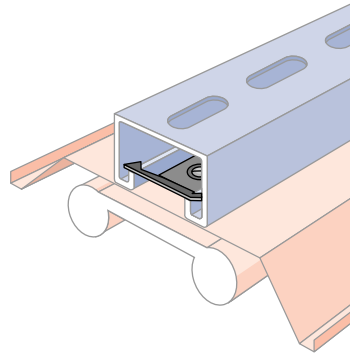
MFA-SM



		P			
160300	MFASM25	P21	100	450 N	200 N



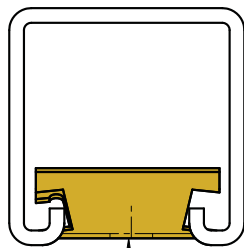
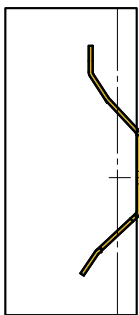
M6 x 25mm



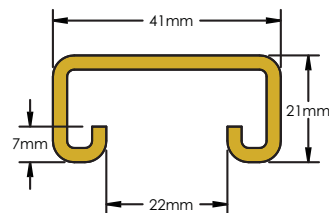
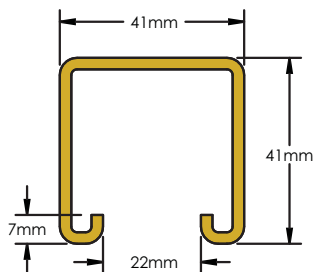
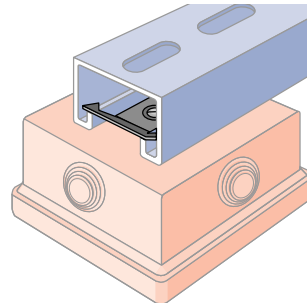
MFA-M6



		P			
160310	MFAM6	P21	100	450 N	200 N



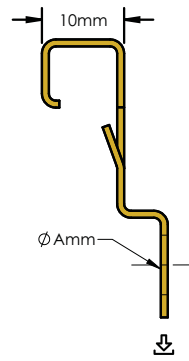
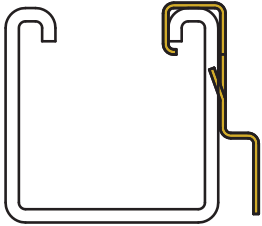
M6



ESC



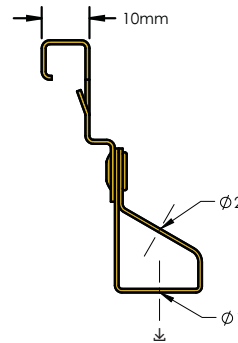
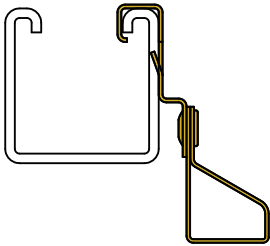
🌐	📖	Ø A (mm)	P	🏠	⬇️
174560	ESC-4	6.8	P21	100	700 N



ESC-MTi/T



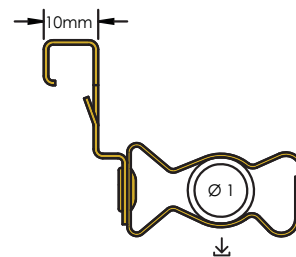
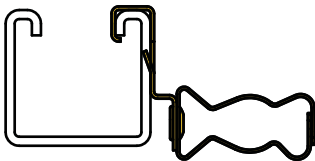
🌐	📖	Ø 1	Ø 2 (mm)	P	🏠	⬇️
174575	M6TiESC	M6	11x15	P21	100	700 N
174580	M8TiESC	M8	11x15	P21	100	700 N
174585	M10TiESC	M10	11x15	P21	100	700 N
174590	T10ESC	11 mm	11x15	P21	100	700 N



ESC M



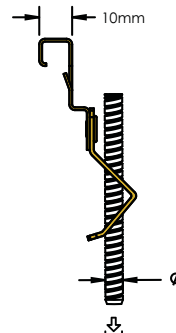
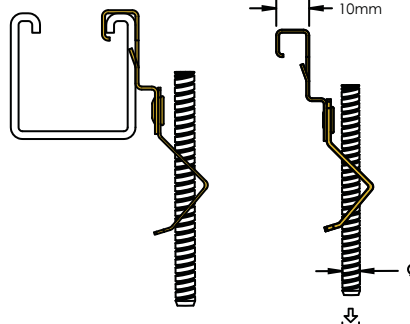
🌐	📖	Ø 1 (mm)	P	🏠	⬇️
174595	ESC6M	14-18	P21	100	120 N
174600	ESC812M	18-30	P21	100	120 N
174605	ESC16M	30-35	P21	100	120 N
174610	ESC20M	35-42	P21	50	120 N



ESC MA



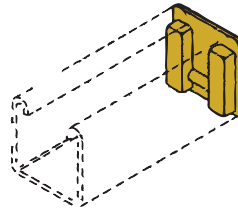
🌐	📖	Ø	P	🏠	⬇️
174615	ESCM6MA	M6	P21	100	600 N
174620	ESCM8MA	M8	P21	100	700 N
174625	ESCM10MA	M10	P21	100	700 N



ADK 421



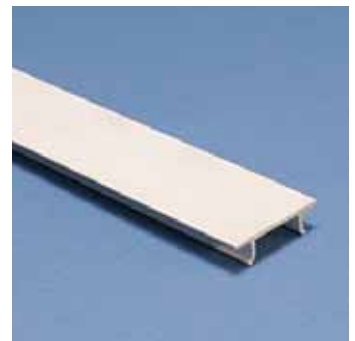
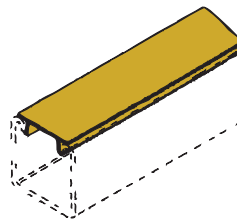
Icon	Icon	Icon	P	Icon
313305	ADK 421	41x41 41x21	P13	100



DLP / DLM



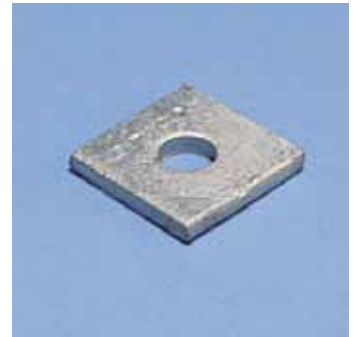
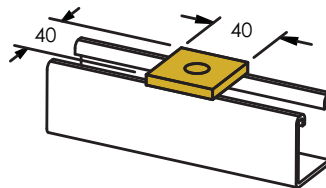
Icon	Icon	Icon
P1		
313320	DLM	1 (3 m)
P11		
313310	DLP	1 (3 m)



ZE 100 / ZEA 100



Icon	Icon	Icon
P2		
388710	ZEA 100-2	1
P3		
313000	ZE 100	25
387500	ZEA 100	25

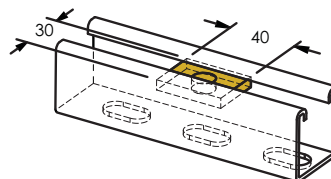


ZE =  **ZEA =**  **mm** 

ZE 101 / ZEA 101



Icon	Icon	P	Icon
313010	ZE 101	P3	25
387510	ZEA 101	P3	25



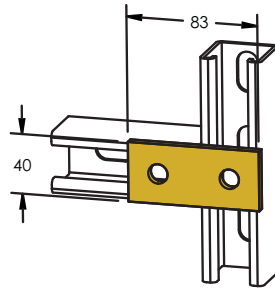
ZE =  **ZEA =**  **mm** 



ZE 102 / ZEA 102



P2		
387522	ZE 102-2	1
P3		
313020	ZE 102	25
387520	ZE 102	25

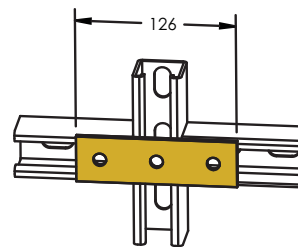


ZE = **ZEA =** **mm**

ZE 103



P2		
387532	ZE 103-2	1
P3		
387530	ZE 103	25

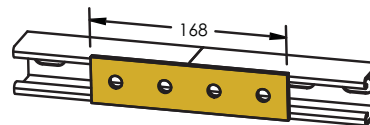


ZE = **ZEA =** **mm**

ZE 104 / ZEA 104



P2		
387542	ZE 104-2	1
P3		
313040	ZE 104	10
387540	ZE 104	10

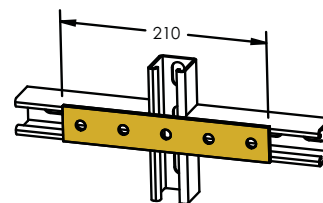


ZE = **ZEA =** **mm**

ZE 105



		P	
387550	ZE 105	P3	10

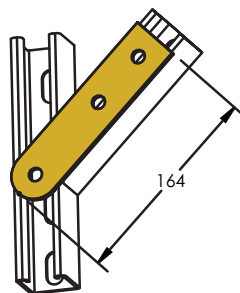


ZE = **ZEA =** **mm**

ZEA 106



		P	
387560	ZEA 106	P3	25

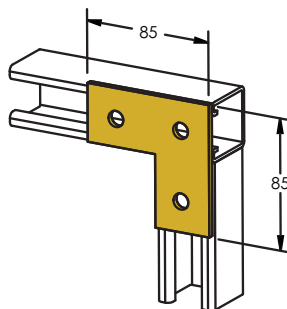


ZE = ZEA = mm

ZE 107 / ZEA 107



P2		
387572	ZEA 107-2	1
P3		
313070	ZE 107	25
387570	ZEA 107	25

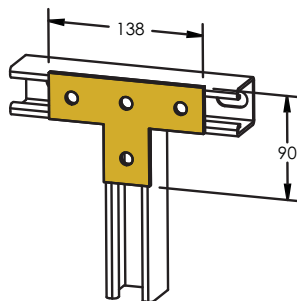


ZE = ZEA = mm

ZE 108 / ZEA 108



P2		
388701	ZEA 108-2	1
P3		
313080	ZE 108	25
387580	ZEA 108	25

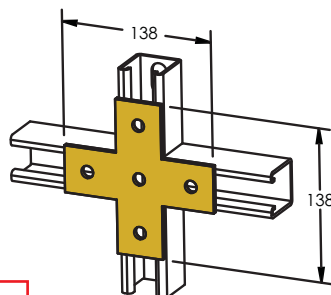


ZE = ZEA = mm

ZEA 109



		P	
387590	ZEA 109	P3	10



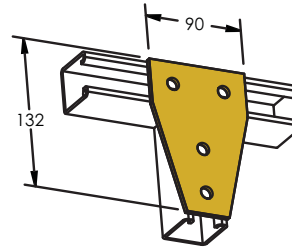
ZE = ZEA = mm



ZEA 110



		P	
387450	ZEA 110	P3	10

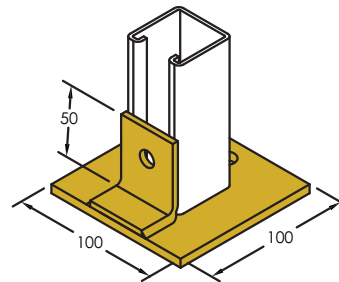


ZE = ZEA = mm

ZGA 500



		P	
388120	ZGA 500	P3	1

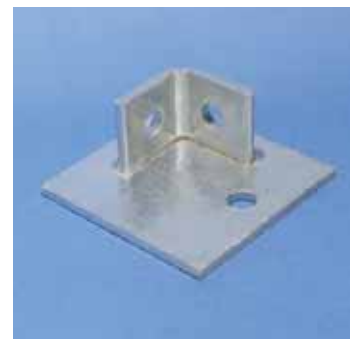
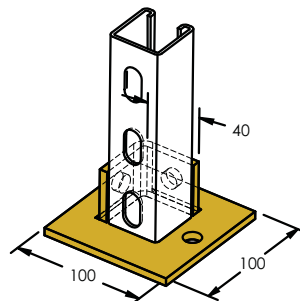


ZG = ZGA = mm

ZGA 501



		P	
388270	ZGA 501	P3	1

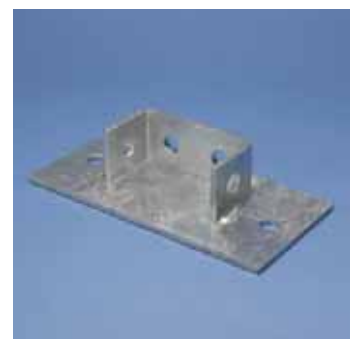
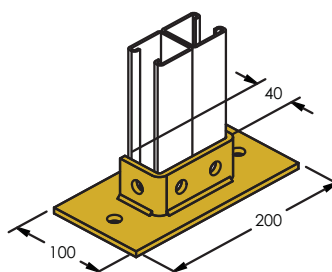


ZG = ZGA = mm

ZGA 502



			P	
388360	ZGA 502	82x41	P3	1

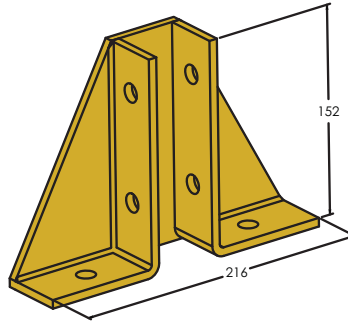


ZG = ZGA = mm

ZGA 503 / ZGA 504



Icon	Part Name	Dimensions	Material	Quantity
	ZGA 503	41x41	P3	1
	ZGA 504	82x41	P3	1

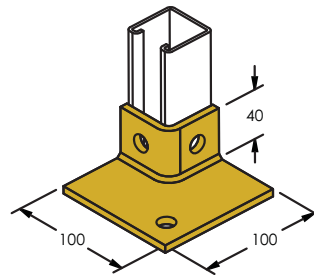


ZG = **ZGA =** **mm**

ZGA 505



Icon	Part Name	Material	Quantity
	ZGA 505	P3	1

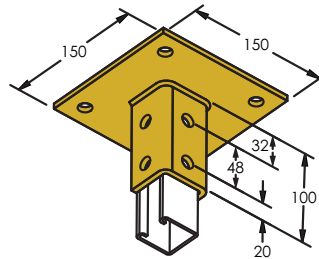


ZG = **ZGA =** **mm**

ZGA 506



Icon	Part Name	Material	Quantity
	ZGA 506	P3	1

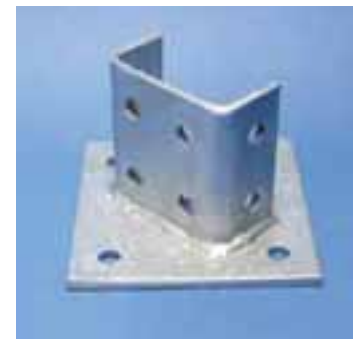
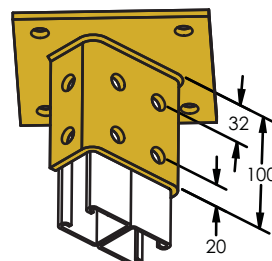


ZG = **ZGA =** **mm**

ZGA 507



Icon	Part Name	Material	Quantity
	ZGA 507	P3	1



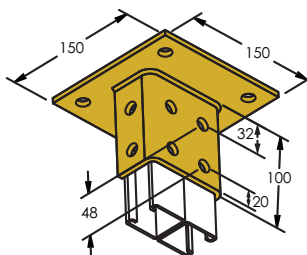
ZG = **ZGA =** **mm**



ZGA 508



		P	
313824	ZGA 508	P3	1

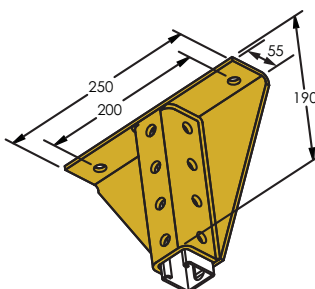


ZG = **ZGA =** **mm**

ZGA 509



		P	
313825	ZGA 509	P3	1

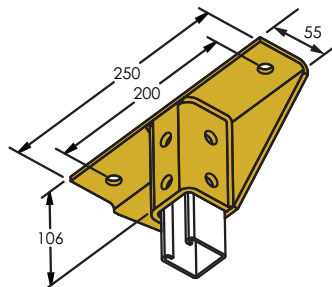


ZG = **ZGA =** **mm**

ZGA 510



		P	
313826	ZGA 510	P3	1

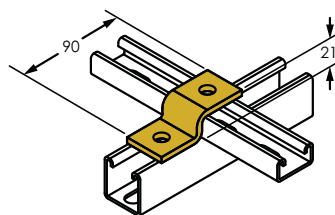


ZG = **ZGA =** **mm**

ZSA 300



P2		
387731	ZSA 300-2	1
P3		
387730	ZSA 300	10

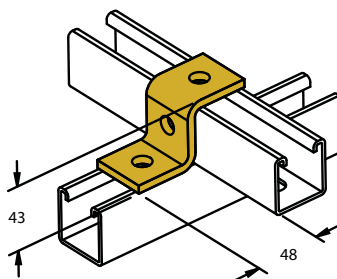


ZS = **ZSA =** **mm**

ZSA 301



P2		
387742	ZSA 301-2	1
P3		
387740	ZSA 301	10

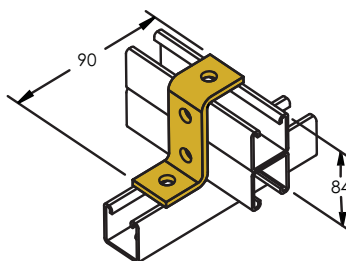


ZS = ZSA = mm

ZSA 302



		P	
387960	ZSA 302	P3	10

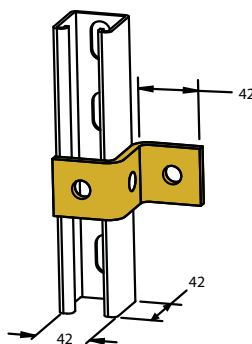


ZS = ZSA = mm

ZSA 303



		P	
387970	ZSA 303	P3	10

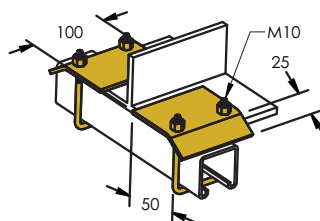


ZS = ZSA = mm

ZTA 601 / ZTA 602



P2		
387710	ZTA 601-2	1
P3		
387700	ZTA 601 21-41	10
388005	ZTA 602 62-83	10



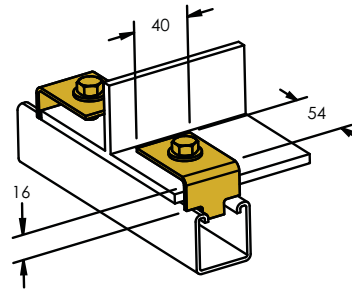
ZT = ZTA = mm



ZT 605 / ZTA 605



Icon	Icon	Icon
🌐	📖	📦
P2		
314060	ZT 605-2	1
387190	ZTA 605-2	1
P3		
313260	ZT 605	10

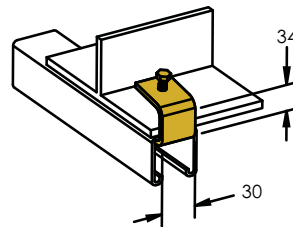


ZT = **ZTA =** **mm**

ZT 606



Icon	Icon	Icon
🌐	📖	📦
P2		
313271	ZT 606-2	1
P3		
313270	ZT 606-3	1

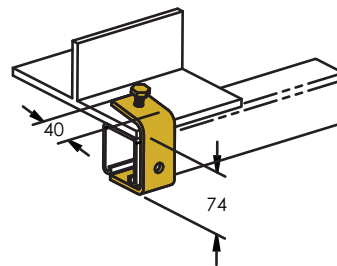


ZT = **ZTA =** **mm**

ZT 607



Icon	Icon	Icon
🌐	📖	📦
P2		
313281	ZT 607-2	1
P3		
313280	ZT 607	1

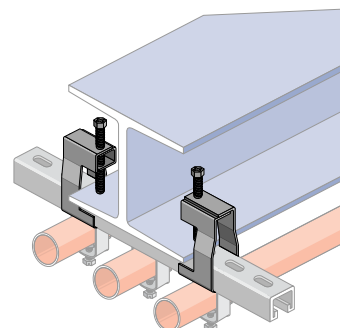
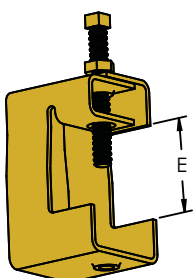


ZT = **ZTA =** **mm**

STCB10M



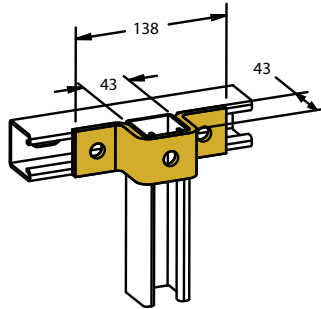
Icon	Icon	E (mm)	P	Icon	Icon
🌐	📖	≤50	P1	📦	⬇️
181580	STCB10M			10	1350 N



ZU 400 / ZUA 400



Icon	Part Number	Material	Quantity
	313120	ZU 400	P3 5
	387750	ZUA 400	P3 5

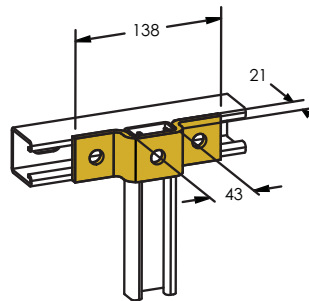


ZU = ZUA = mm

ZUA 401



Icon	Part Number	Material	Quantity
	387760	ZUA 401	P3 5

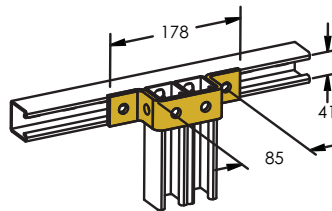


ZU = ZUA = mm

ZUA 402



Icon	Part Number	Material	Quantity
	387770	ZUA 402	P3 5

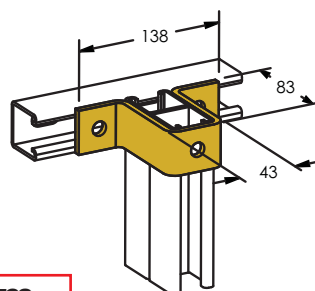


ZU = ZUA = mm

ZUA 403



Icon	Part Number	Material	Quantity
	387780	ZUA 403	P3 5



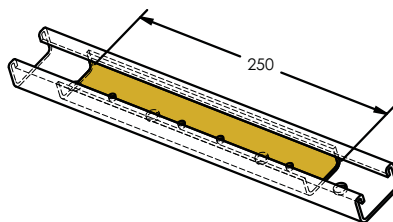
ZU = ZUA = mm



ZUA 404 / ZUA 405



Icon	Icon	Icon	P	Icon
387790	ZUA 404	21x41	P3	5
387800	ZUA 405	41x41	P3	5

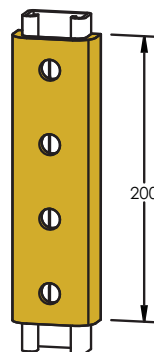


ZU = ZUA = mm

ZUA 406 / ZUA 407



Icon	Icon	Icon	P	Icon
387810	ZUA 406	21x41	P3	5
387820	ZUA 407	41x41	P3	5

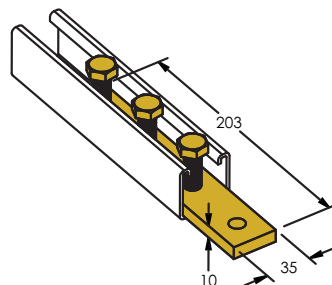


ZU = ZUA = mm

ZUA 408



Icon	Icon	P	Icon
387830	ZUA 408	P3	5

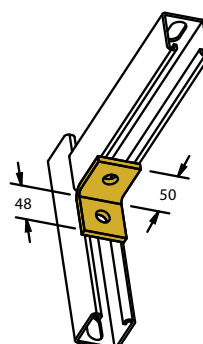


ZU = ZUA = mm

ZW 200 / ZWA 200



Icon	Icon	Icon
P2		
388670	ZWA 200-2	1
P3		
313330	ZW 200	10
387600	ZWA 200	10

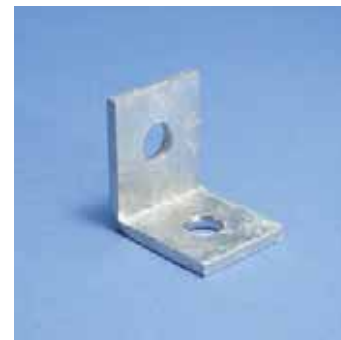
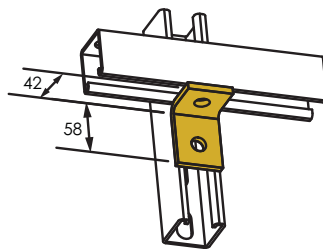


ZW = ZWA = mm

ZW 201 / ZWA 201



Icon	Icon	P	Icon
313340	ZW 201	P3	10
387610	ZWA 201	P3	10

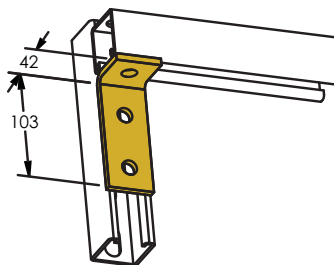


ZW = ZWA = mm

ZW 202 / ZWA 202



Icon	Icon	Icon
P2		
387625	ZWA 202-2	1
P3		
313350	ZW 202	10
387620	ZWA 202	10

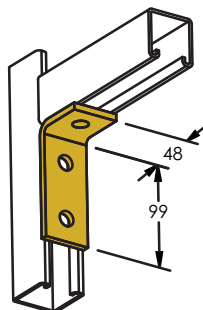


ZW = ZWA = mm

ZWA 203



Icon	Icon	P	Icon
387630	ZWA 203	P3	10

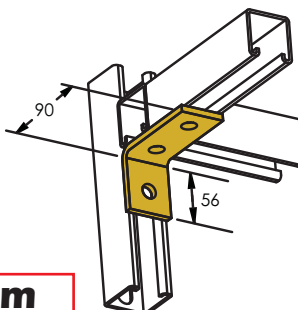


ZW = ZWA = mm

ZWA 204



Icon	Icon	P	Icon
387640	ZWA 204	P3	10



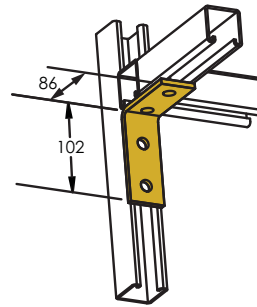
ZW = ZWA = mm



ZW 205 / ZWA 205



Icon	Icon	Icon
🌐	📖	📦
P2		
388761	ZWA 205-2	1
P3		
313380	ZW 205	10
387650	ZWA 205	10

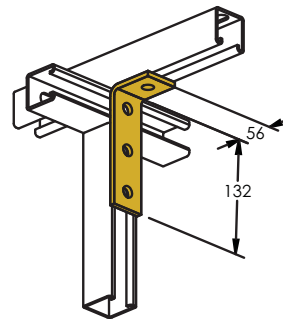


ZW = ZWA = mm

ZWA 206



Icon	Icon	Icon	Icon
🌐	📖	P	📦
387660	ZWA 206	P3	10

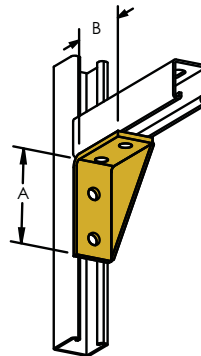


ZW = ZWA = mm

ZWA 207 / ZWA 207L



Icon	Icon	Icon	Icon
🌐	📖	P	📦
313400	ZW 207	P3	1
387670	ZWA 207	P3	1
387675	ZWA 207L	P3	1

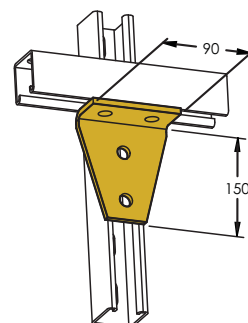


ZW = ZWA = mm

ZWA 209



Icon	Icon	Icon	Icon
🌐	📖	P	📦
387690	ZWA 209	P3	1

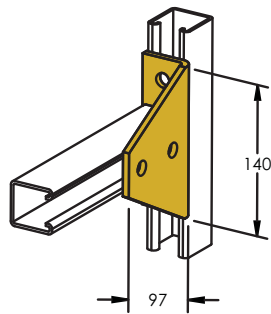


ZW = ZWA = mm

ZWA 212



		P	
387870	ZWA 212	P3	1

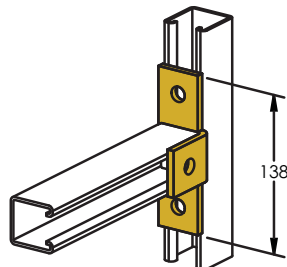


ZW = ZWA = mm

ZWA 213



		P	
387880	ZWA 213	P3	1

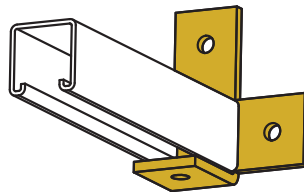


ZW = ZWA = mm

ZWA 214



		P	
387890	ZWA 214	P3	5

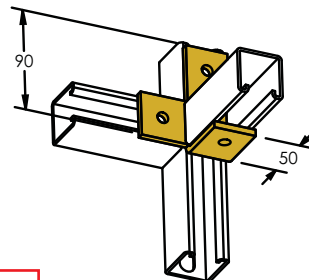


ZW = ZWA = mm

ZWA 215



		P	
387900	ZWA 215	P3	5



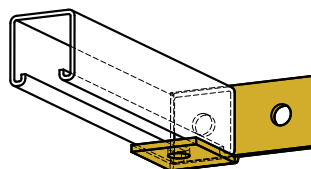
ZW = ZWA = mm



ZWA 216



Icon	Part No.	Profile	Material	Length
	387910	ZWA 216	P3	5

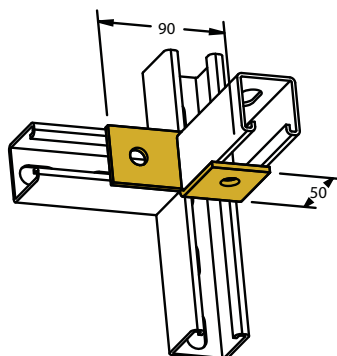


ZW = ZWA = mm

ZWA 217



Icon	Part No.	Profile	Material	Length
	387930	ZWA 217	P3	5

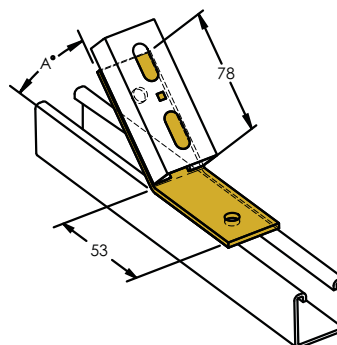


ZW = ZWA = mm

ZW 218 / ZWA 218



Icon	Part No.	Profile	Angle	Material	Length
	313540	ZW 218	30°	P3	5
	387850	ZWA 218	45°	P3	5

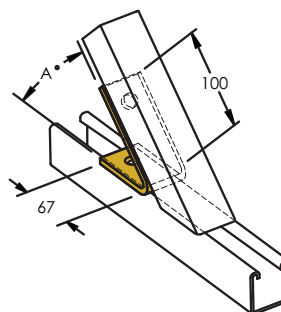


ZW = ZWA = mm

ZW 219 / ZWA 219



Icon	Part No.	Profile	Angle	Material	Length
	313640	ZW 219	45°	P3	5
	313660	ZW 219	60°	P3	5
	387920	ZWA 219	45°	P3	5

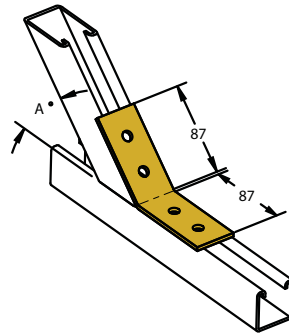


ZW = ZWA = mm

ZW 220 / ZWA 220



Icon	Part Name	A°	P	Icon
	ZW 220	45°	P3	
	ZWA 220	45°	P3	

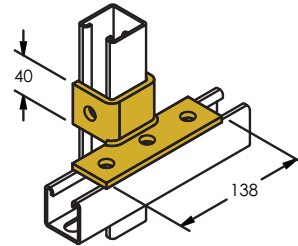


ZW = ZWA = mm

ZZA 700



Icon	Part Name	P	Icon
	ZZA 700	P3	

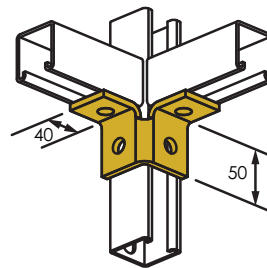


ZZ = ZZA = mm

ZZA 701



Icon	Part Name	P	Icon
	ZZA 701	P3	

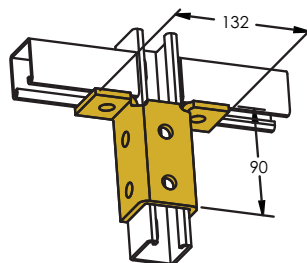


ZZ = ZZA = mm

ZZ 702 / ZZA 702



Icon	Part Name	P	Icon
	ZZ 702	P3	
	ZZA 702	P3	



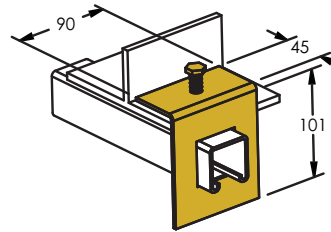
ZZ = ZZA = mm



ZZ 704



			P	
313870	ZZ 704	41 x 41	P3	10

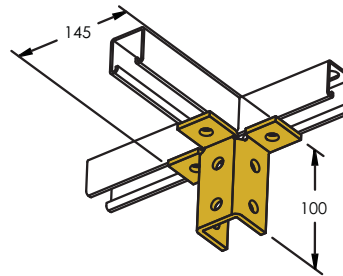


ZZ = ZZA =

ZZA 705



		P	
388421	ZZA 705	P3	1

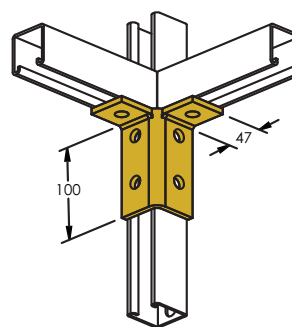


ZZ = ZZA =

ZZA 706



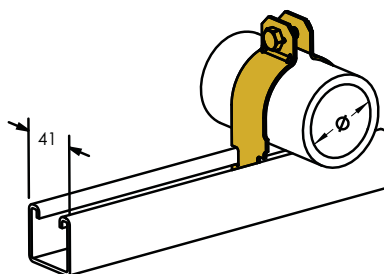
		P	
388422	ZZA 706	P3	1



ZZ = ZZA =

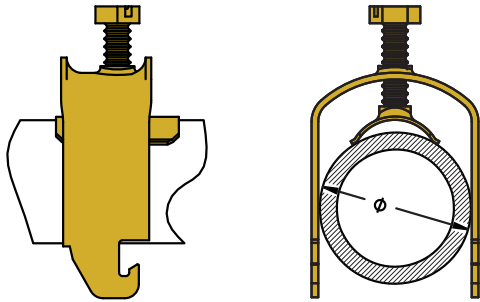
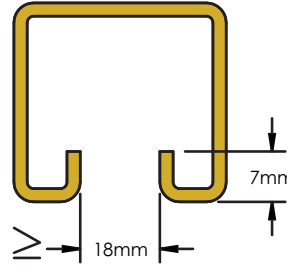
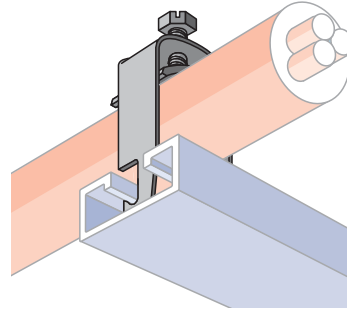


		Ø (mm)	
P1			
598811	OD 6-8 mm	6-8	100
598812	OD 8-11 mm	8-11	100
598813	OD 11-12 mm	11-12	100
598814	OD 15-17 mm	15-17	100
598815	OD 18-20 mm	18-20	100
598816	OD 21-23 mm	21-23	100
598817	OD 23-26 mm	23-26	100
598818	OD 26-29 mm	26-29	100
598819	OD 29-32 mm	29-32	100
598822	OD 32-36 mm	32-36	50
598823	OD 36-39 mm	36-39	50
598824	OD 39-42 mm	39-42	50
598825	OD 42-45 mm	42-45	50
598826	OD 46-50 mm	46-50	50
598827	OD 50-54 mm	50-54	50
598828	OD 52-56 mm	52-56	50
598829	OD 56-60 mm	56-60	50
598831	OD 60-63 mm	60-63	50
598832	OD 62-64 mm	62-64	50
598833	OD 64-67 mm	64-67	50
598834	OD 67-71 mm	67-71	50
598835	OD 71-74 mm	71-74	25
598836	OD 74-77 mm	74-77	25
598837	OD 77-80 mm	77-80	25
598838	OD 83-86 mm	83-86	25
598839	OD 86-90 mm	86-90	25
598842	OD 96-100 mm	96-100	25
598843	OD 100-103 mm	100-103	25
598844	OD 109-112 mm	109-112	25
598845	OD 112-115 mm	112-115	25
598846	OD 115-118 mm	115-118	25
598847	OD 125-128 mm	125-128	25
598848	OD 132-135 mm	132-135	25
598849	OD 135-138 mm	135-138	25
598853	OD 138-141 mm	138-141	25
598854	OD 148-151 mm	148-151	25
598855	OD 157-160 mm	157-160	25
598856	OD 160-164 mm	160-164	25
598857	OD 164-167 mm	164-167	25
598858	OD 167-170 mm	167-170	25
598859	OD 176-179 mm	176-179	25
598862	OD 179-182 mm	179-182	25
598863	OD 189-192 mm	189-192	25
598864	OD 196-200 mm	196-200	25
598865	OD 218-221 mm	218-221	25
P3			
598806	OD 21.3 mm	21.3	50
598807	OD 26.9 mm	26.9	50
598808	OD 33.7 mm	33.7	50
598809	OD 42.4 mm	42.4	50
598866	OD 48.3 mm	48.3	50
598867	OD 60.3 mm	60.3	50
598868	OD 76.1 mm	76.1	50
598869	OD 88.9 mm	88.9	50
598875	OD 113.3 mm	113.3	50
598876	OD 139.7 mm	139.7	50
598877	OD 165.1 mm	165.1	50
598878	OD 219 mm	219.0	20
598983	OD 273 mm	273.0	20





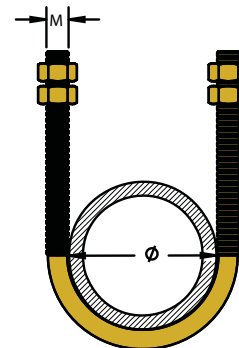
🌐	📖	Ø (mm)	P	📦
337600	C12EC	6-12	P3	100
337610	C16EC	12-16	P3	100
337620	C20EC	16-20	P3	100
337630	C24EC	20-24	P3	100
337640	C28EC	24-28	P3	100
337650	C32EC	28-32	P3	100
337660	C36EC	32-36	P3	100
337670	C40EC	36-40	P3	100
337680	C44EC	40-44	P3	100
337690	C48EC	44-48	P3	100
337700	C52EC	48-52	P3	50
337710	C56EC	52-56	P3	50
337720	C60EC	56-60	P3	50
337730	C64EC	60-64	P3	50
337740	C70EC	64-70	P3	50
337750	C76EC	70-76	P3	25
337760	C82EC	76-82	P3	25
337770	C88EC	82-88	P3	25
337780	C94EC	88-94	P3	25
337790	C100EC	94-100	P3	25

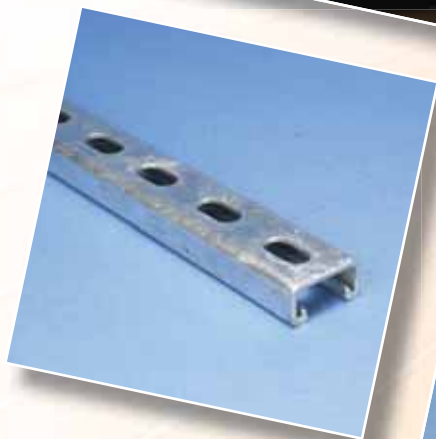


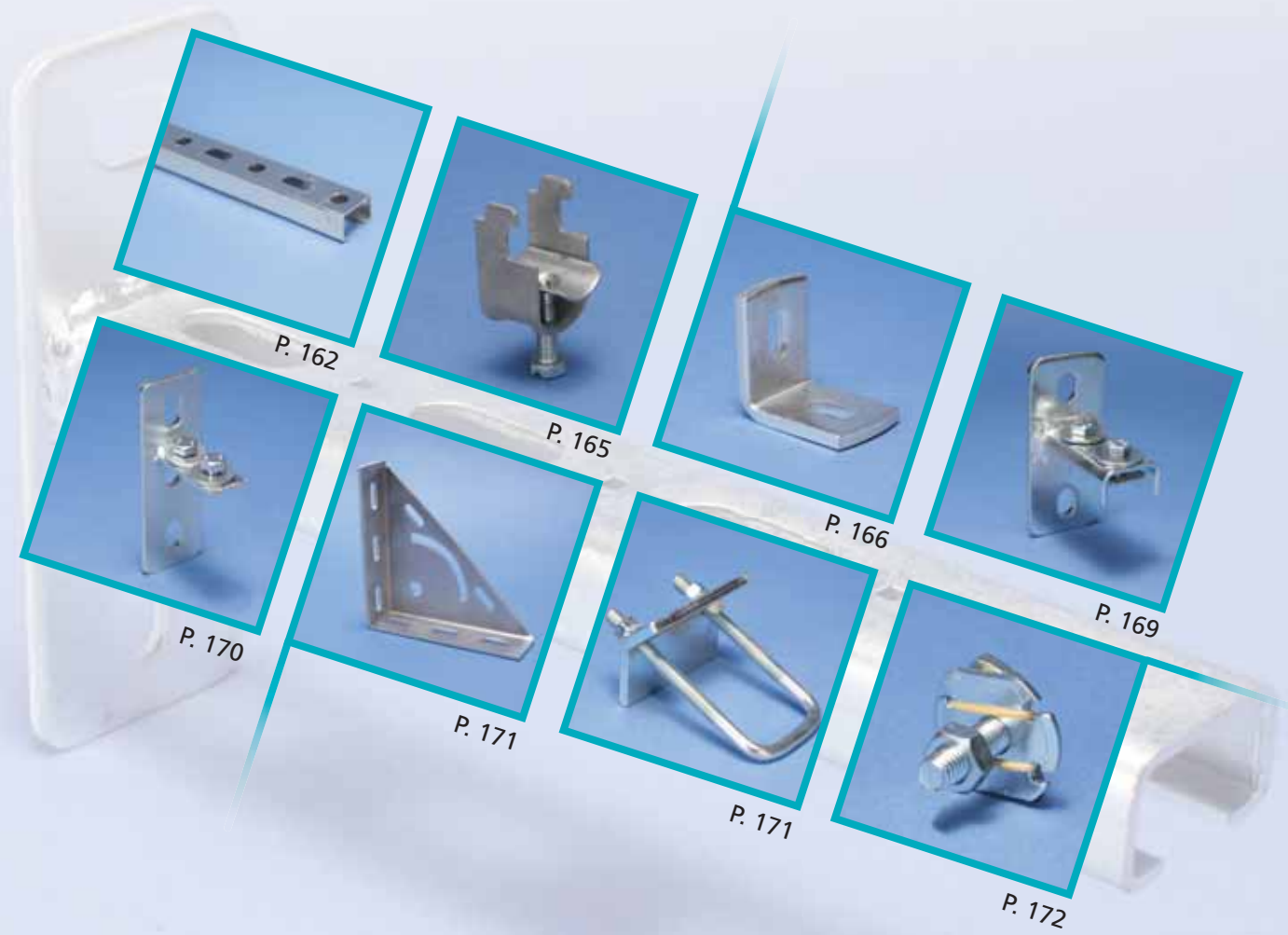
U-BOLT



🌐	📖	Ø 1 (mm)	M	DN	P	📦
599100	U-BOLT 13 mm	13	M6	-	P1	100
599110	U-BOLT 17 mm	17	M6	10	P1	100
599120	U-BOLT 21 mm	21	M6	15	P1	100
599130	U-BOLT 27 mm	27	M8	20	P1	100
599140	U-BOLT 34 mm	34	M8	25	P1	100
599150	U-BOLT 42 mm	42	M8	32	P1	100
599160	U-BOLT 49 mm	49	M8	40	P1	100
599170	U-BOLT 60 mm	60	M8	50	P1	50
599180	U-BOLT 76 mm	76	M8	65	P1	50
599190	U-BOLT 90 mm	90	M10	80	P1	50
599200	U-BOLT 114 mm	114	M10	100	P1	25
599210	U-BOLT 135 mm	135	M10	-	P1	25
599220	U-BOLT 140 mm	140	M12	125	P1	25
599230	U-BOLT 160 mm	160	M14	-	P1	10
599240	U-BOLT 168 mm	168	M14	150	P1	10
599280	U-BOLT 193MM	193	M16	-	P1	10
599250	U-BOLT 193 mm	219	M16	200	P1	1
599260	U-BOLT 273 mm	273	M15	250	P1	1
599270	U-BOLT 323 mm	323	M18	300	P1	1







E0L/E0



Icon	Icon	Fig. #	L (m)	P	Icon
599996	E0L 2 m 27 x 18 x 1,25	1	2	P1	10
599997	E0 2 m 27 x 30 x 1,5	2	2	P1	10

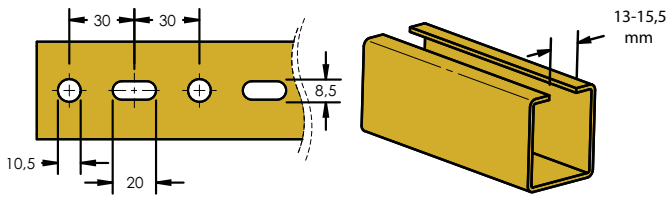


Fig. #1

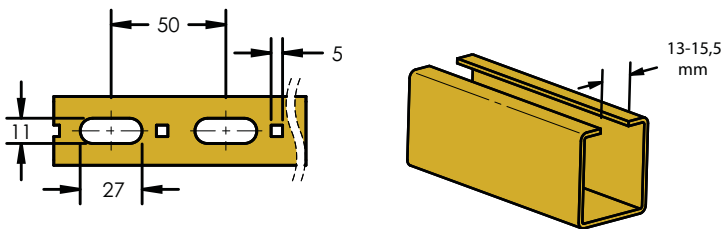


Fig. #2

E1



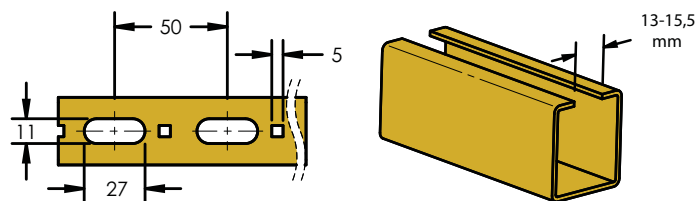
Icon	Icon	L (m)	P	Icon
585500	E1 2 m 30 x 15 x 2	2	P1	10



E2L/E2



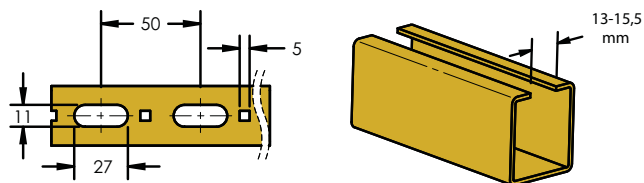
Icon	Icon	L (m)	P	Icon
585480	E2L 2 m 34 x 20 x 1,5	2	P1	10
585470	E2 2 m 34 x 20 x 2,4	2	P1	10



E3



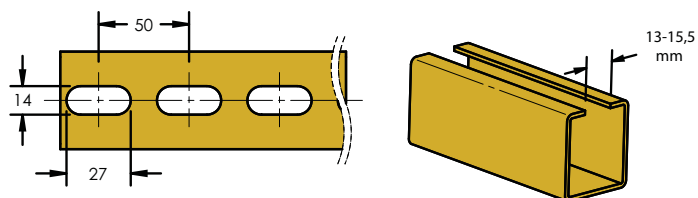
Icon	Icon	L (m)	P	Icon
🌐	📖	2	P1	📦
585560	E3 2 m 35 x 35 x 2	2	P1	10
585550	E3 3 m 35 x 35 x 2	3	P1	10
585540	E3 6 m 35 x 35 x 2	6	P1	10



E4



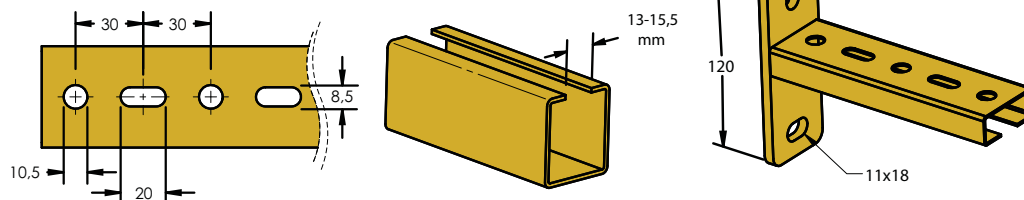
Icon	Icon	L (m)	P	Icon
🌐	📖	2	P1	📦
599998	E4 2 m 38 x 40 x 2	2	P1	10
600000	E4 3 m 38 x 40 x 2	3	P1	10
599999	E4 6 m 38 x 40 x 2	6	P1	10



C-E0L



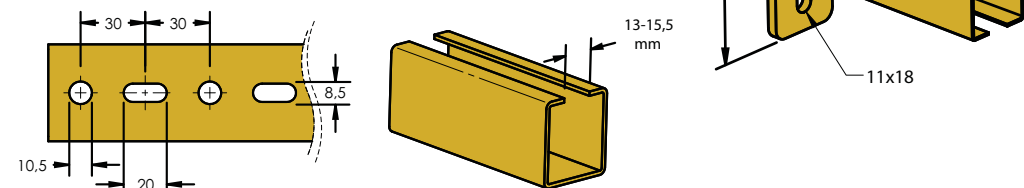
Icon	Icon	L (mm)	P	Icon
🌐	📖	180	P1	📦
599879	C-E0L 27 x 18 180 mm	180	P1	25
599880	C-E0L 27 x 18 300 mm	300	P1	25



C-E0



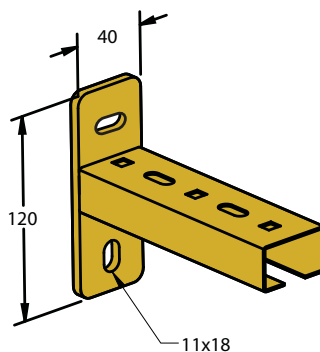
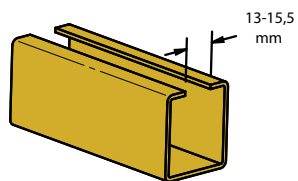
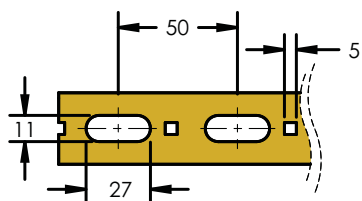
Icon	Icon	L (mm)	P	Icon
🌐	📖	180	P1	📦
599885	C-E0 27 x 30 180 mm	180	P1	25
599890	C-E0 27 x 30 240 mm	240	P1	25
599900	C-E0 27 x 30 300 mm	300	P1	25
599905	C-E0 27 x 30 360 mm	360	P1	10
599910	C-E0 27 x 30 420 mm	420	P1	10
599920	C-E0 27 x 30 540 mm	540	P1	1
599925	C-E0 27 x 30 660 mm	660	P1	1
599930	C-E0 27 x 30 780 mm	780	P1	1



C-E2



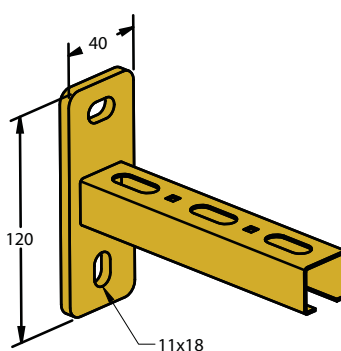
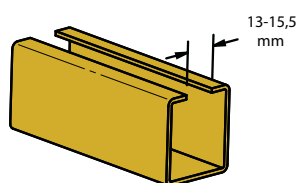
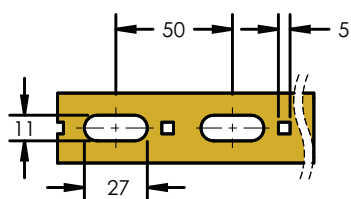
Icon	Icon	L (mm)	P	Icon
🌐	📖	200	P1	📦
597500	C-E2 34 x 20 200 mm	200	P1	20
597510	C-E2 34 x 20 300 mm	300	P1	20



C-E3



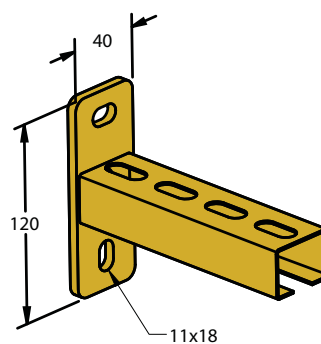
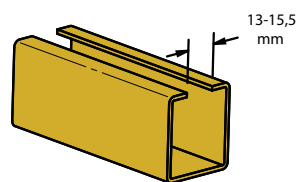
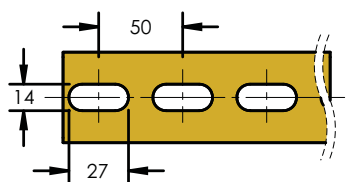
Icon	Icon	L (mm)	P	Icon
🌐	📖	250	P1	📦
585860	C-E3 35 x 35 250 mm	250	P1	20
585870	C-E3 35 x 35 500 mm	500	P1	10
585880	C-E3 35 x 35 750 mm	750	P1	1
585890	C-E3 35 x 35 1000 mm	1,000	P1	1



C-E4



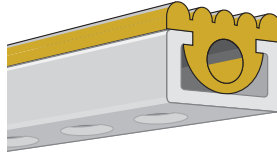
Icon	Icon	L (mm)	P	Icon
🌐	📖	200	P1	📦
599935	C-E4 38 x 40 200 mm	200	P1	25
599940	C-E4 38 x 40 250 mm	250	P1	25
599950	C-E4 38 x 40 300 mm	300	P1	25
599960	C-E4 38 x 40 350 mm	350	P1	25
599970	C-E4 38 x 40 450 mm	450	P1	10
599980	C-E4 38 x 40 550 mm	550	P1	1
599990	C-E4 38 x 40 650 mm	650	P1	1
599995	C-E4 38 x 40 800 mm	800	P1	1



PR



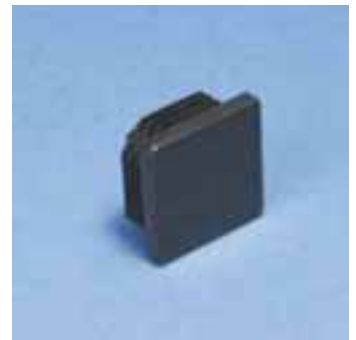
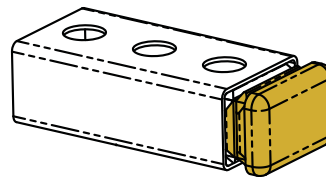
Icon	Icon	Icon	P	Icon
400914	PR	E0/E1	EPDM	1 (30 m)
400915	PR	E4	EPDM	1 (30 m)



ADK



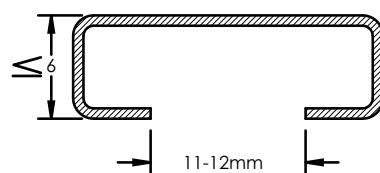
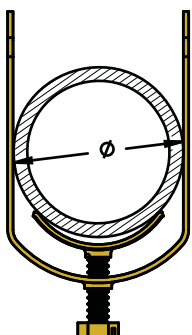
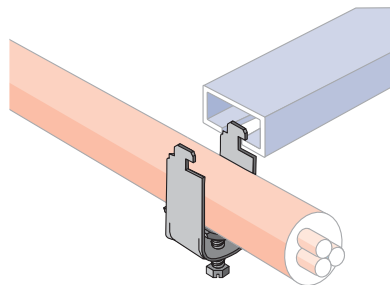
Icon	Icon	Icon	P	Icon
313301	ADK E0L	E0L	P13	100
313302	ADK E0	E0	P13	100
585380	ADK E1	E1	P13	100
313304	ADK E2	E2	P13	100
585400	ADK E3	E3	P13	100
313303	ADK E4	E4	P13	100



C-EB



Icon	Icon	\emptyset (mm)	P	Icon
338100	C 12EB	6-12	P3	250
338110	C 16EB	12-16	P3	250
338120	C 20EB	16-20	P3	250
338130	C 24EB	20-24	P3	250
338140	C 28EB	24-28	P3	250
338150	C 32EB	28-32	P3	200
338160	C 36EB	32-36	P3	200
338170	C 40EB	36-40	P3	200
338180	C 44EB	40-44	P3	100
338190	C 48EB	44-48	P3	100
338200	C 52EB	48-52	P3	100
338210	C 56EB	52-56	P3	100
338220	C 60EB	56-60	P3	100
338230	C 64EB	60-64	P3	100
338240	C 70EB	64-70	P3	50



EB25 (E0-E2)



🌐	📖	Fig. #	A (mm)	B (mm)	C (mm)	E (mm)	P	📦
584660	EB25 90°	1	25	45	45	5	P1	25
584662	EB25 135°	2	25	45	45	5	P1	25
584666	EBL25 90°	3	25	90	90	5	P1	25
584668	EBL25 135°	4	25	90	90	5	P1	25

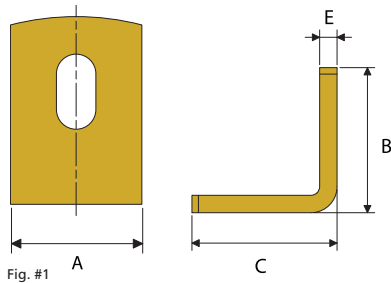


Fig. #1

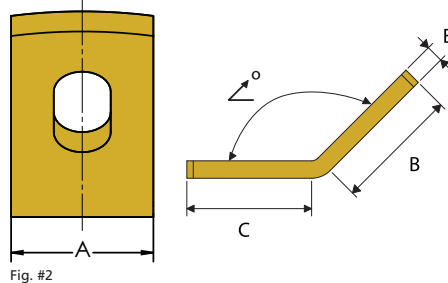


Fig. #2

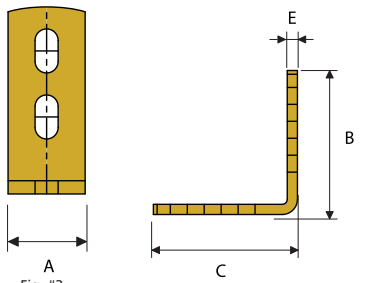
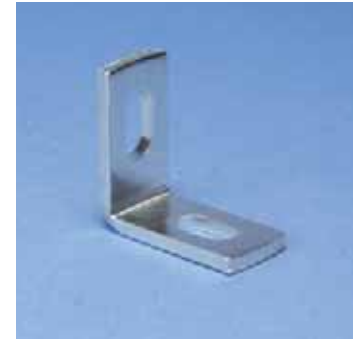


Fig. #3

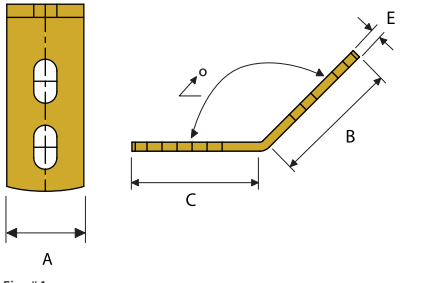


Fig. #4

EB35 (E2-E4)



🌐	📖	Fig. #	A (mm)	B (mm)	C (mm)	E (mm)	P	📦
587530	EB35 90°	1	35	50	50	6	P1	25
587500	EB35 135°	2	35	50	50	6	P1	25
587510	EBL35 90°	3	35	85	85	6	P1	25
587520	EBL35 135°	4	35	85	85	6	P1	25

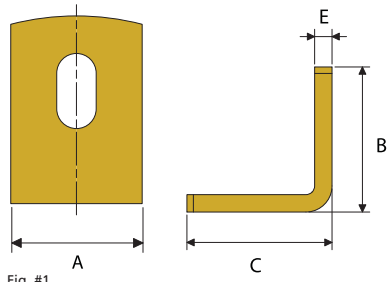


Fig. #1

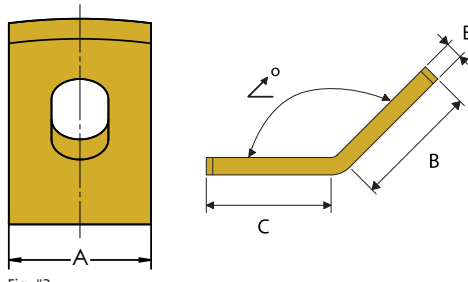


Fig. #2

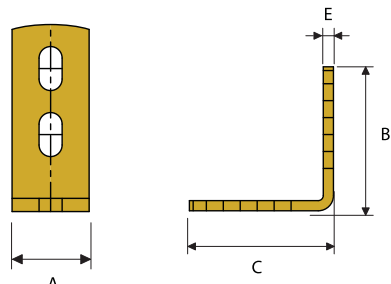


Fig. #3

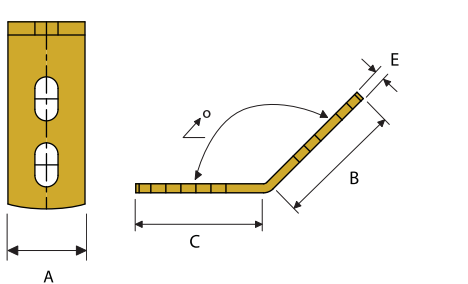


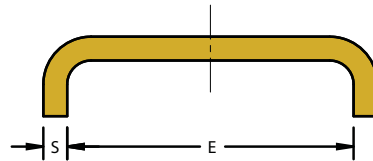
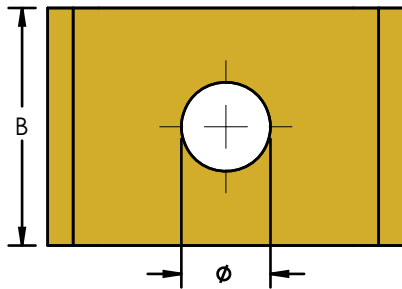
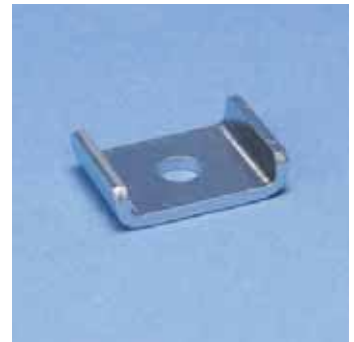
Fig. #4



PL-PLN



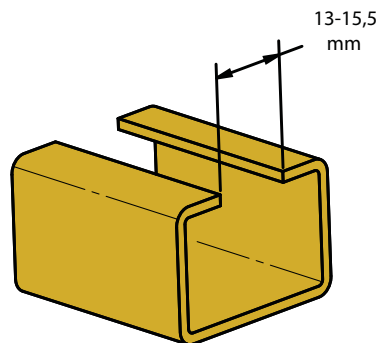
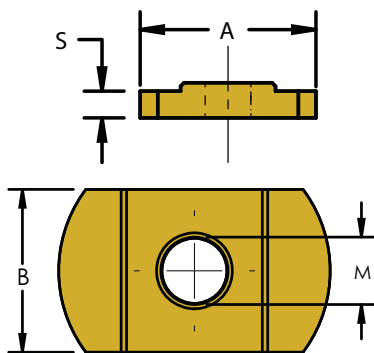
🌐	📖	B (mm)	E (mm)	S (mm)	∅ (mm)	P	📦
588240	PLN E0-8,4 mm	30	28	2	8.5	P1	50
588250	PLN E0-10,5 mm	30	28	2	10.5	P1	50
588260	PLN E1/E2-8,4 mm	30	31	2	8.5	P1	50
588270	PLN E1/E2-10,5 mm	30	31	2	10.5	P1	50
588280	PLN E3/E4-8,4 mm	30	39	2	8.5	P1	50
588285	PLN E3/E4--10,5 mm	30	39	2	10.5	P1	50
588290	PL UNI-10,5	23	40	2	10.5	P1	50



ECN UNI



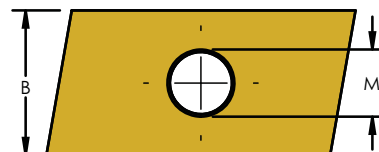
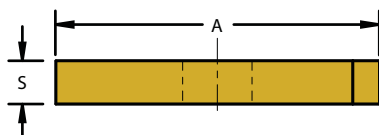
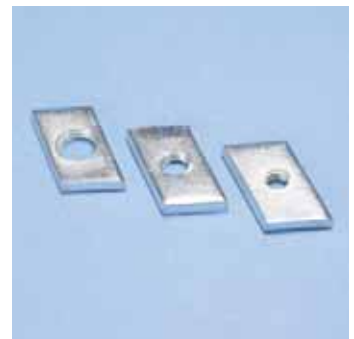
🌐	📖	📏	A (mm)	B (mm)	M	S (mm)	P	📦
585430	ECN UNI M6	E0L/E0/E1/E2/E2L/E3/E4	24	15	M6	5	P1	100
585440	ECN UNI M8	E0L/E0/E1/E2/E2L/E3/E4	24	15	M8	5	P1	100
585450	ECN UNI M10	E0L/E0/E1/E2/E2L/E3/E4	24	15	M10	5	P1	100



ECN (E0L/E0)



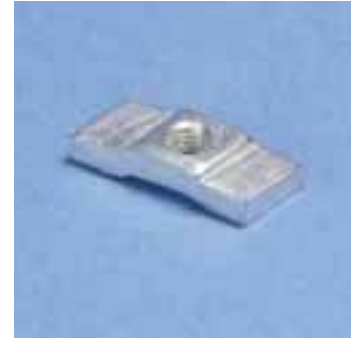
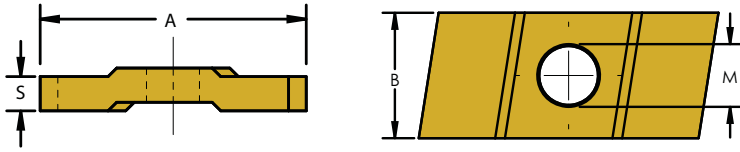
🌐	📖	📏	A (mm)	B (mm)	M	S (mm)	P	📦
315370	ECN E0L/E0 M6	E0L/E0	25	14	M6	4	P1	100
315340	ECN E0L/E0 M8	E0L/E0	25	14	M8	4	P1	100
315350	ECN E0L/E0 M10	E0L/E0	25	14	M10	4	P1	100



ECN (E2L/E2/E3)



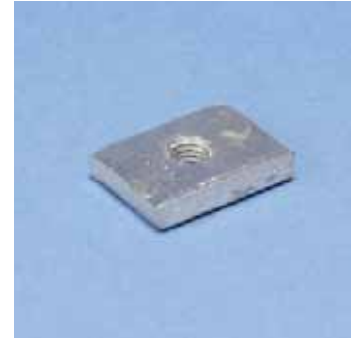
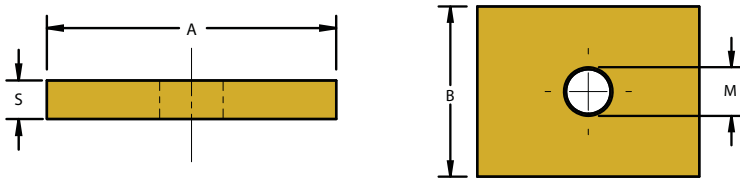
🌐	📖	📐	A (mm)	B (mm)	M	S (mm)	P	📦
585250	ECN E2L/E2/E3 M6	E2L/E2/E3	29	13	M6	5	P1	100
585260	ECN E2L/E2/E3 M8	E2L/E2/E3	29	13	M8	5	P1	100
585270	ECN E2L/E2/E3 M10	E2L/E2/E3	29	13	M10	5	P1	100



ECN (E4)



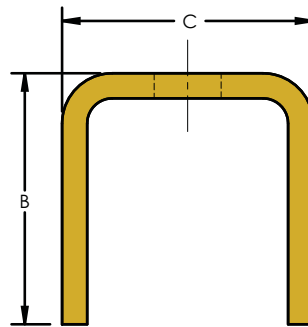
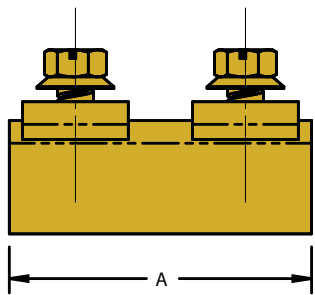
🌐	📖	📐	A (mm)	B (mm)	M	S (mm)	P	📦
315330	ECN E4 M8	E4	30	23	M8	6	P1	100
315360	ECN E4 M10	E4	30	23	M10	6	P1	100



RAC E3



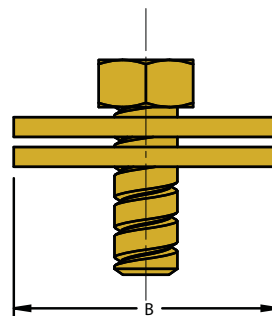
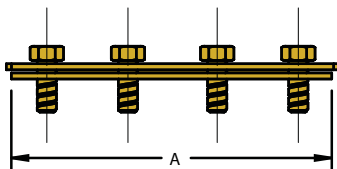
🌐	📖	📐	A (mm)	B x C (mm)	P	📦
585780	RAC E3	E3	80	30 x 30	P1	5



RAC E0-E4

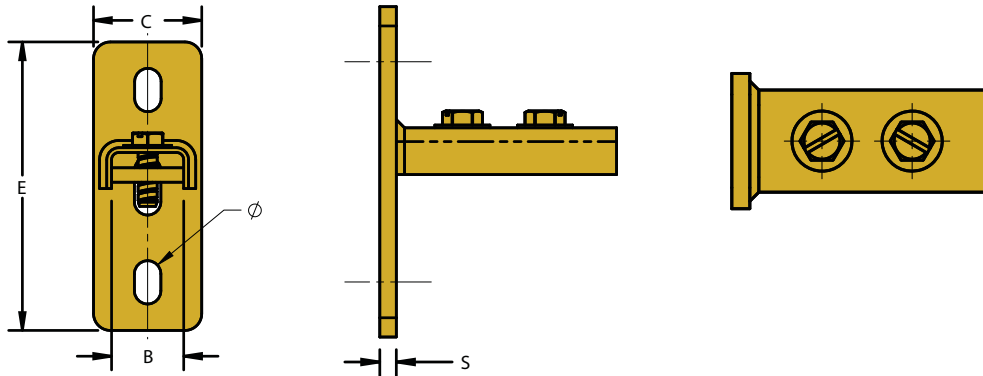


🌐	📖	📐	A (mm)	B (mm)	P	📦
588720	RAC E0	E0	115	23	P1	50
588725	RAC E4	E4	155	30	P1	25

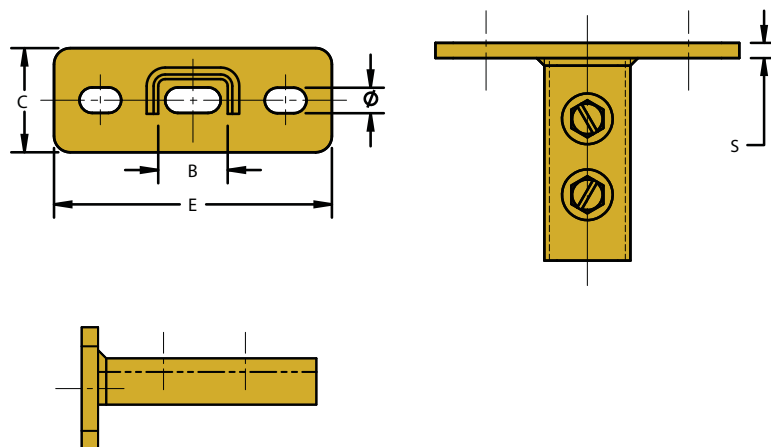




🌐	📖	B (mm)	C (mm)	E (mm)	S (mm)	Ø (mm)	P	📦
584715	APX-E0L/E0/E1 P1	31	50	114	5	12 x 19	P1	10
584710	APX-E2L/E2/E3 P1	36	50	114	5	12 x 19	P1	10
584725	APX E4 P1	43	70	144	5	12 x 19	P1	10
584820	APX 21/41-2	38	70	144	5	12 x 19	P2	1



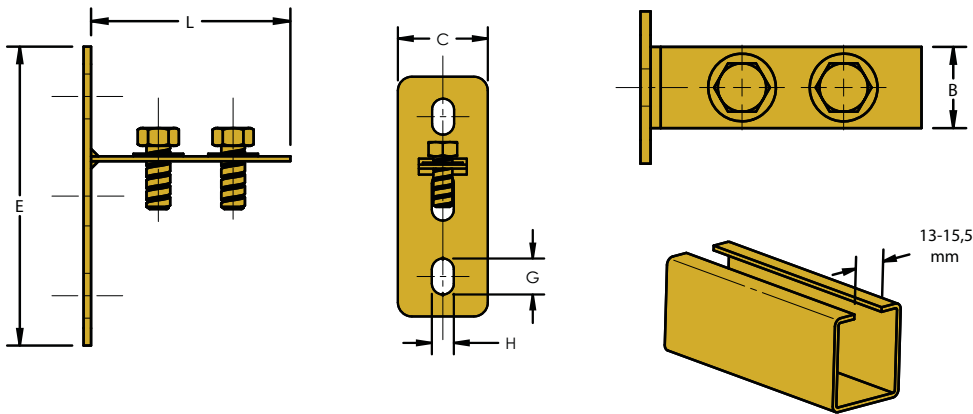
🌐	📖	B (mm)	C (mm)	E (mm)	S (mm)	Ø (mm)	P	📦
584758	APY E0L/E0/E1	31	40	124	5	12 x 19	P1	10
584740	APY E2L/E2/E3	36	40	124	5	12 x 19	P1	10
584751	APY E4	43	50	144	5	12 x 19	P1	10
584840	APY 21/41-2	41	50	138	5	12 x 19	P2	1



SH-SG E0-E4



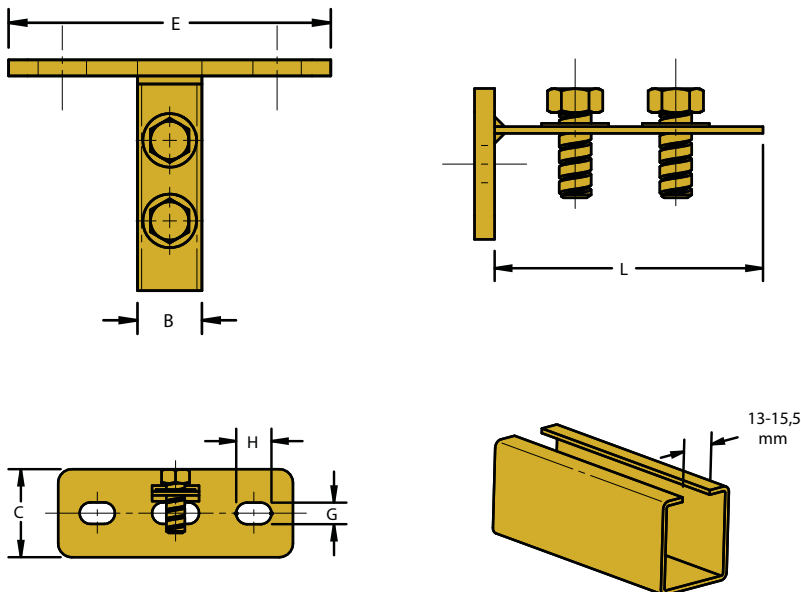
Icon	Code	Profile	C (mm)	E (mm)	G x H (mm)	L x B (mm)	P	Qty
🌐	SH-SG E0	E0	40	120	11 x 19	55 x 24	P1	10
📖	SH-SG E4	E4	40	120	11 x 19	80 x 33	P1	10



SH-LG E0-E4



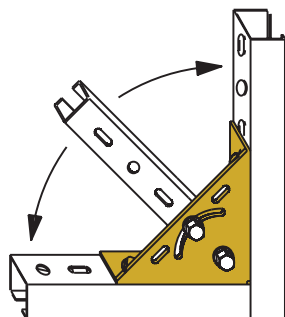
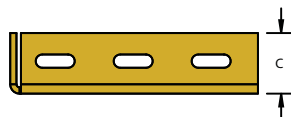
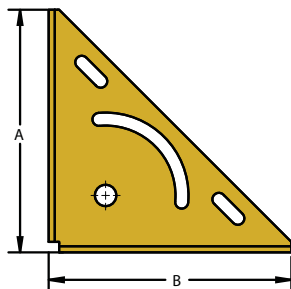
Icon	Code	Profile	C (mm)	E (mm)	G x H (mm)	L x B (mm)	P	Qty
🌐	SH-LG E0	E0	40	120	11 x 19	55 x 24	P1	10
📖	SH-LG E4	E4	40	120	11 x 19	80 x 33	P1	10



MP E4



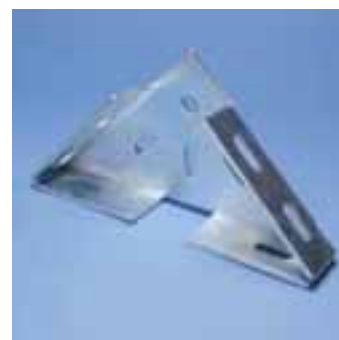
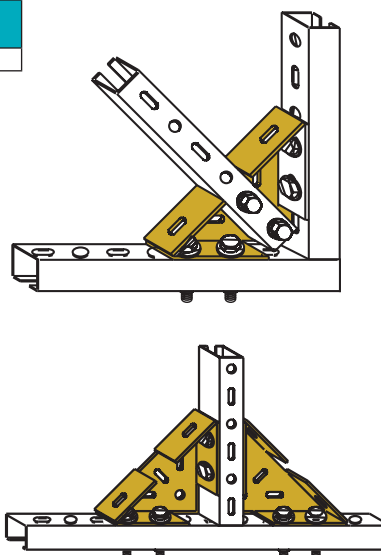
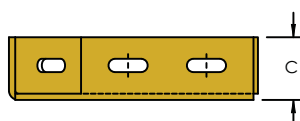
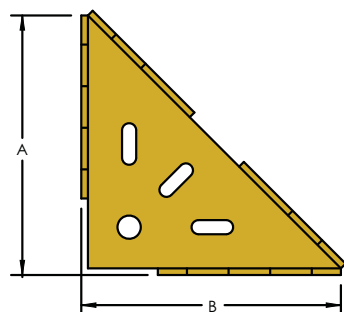
Icon	MP E4	E4	A (mm)	B (mm)	C (mm)	P	Icon
🌐	MP E4	E4	160	160	40	P1	📦



MT E4



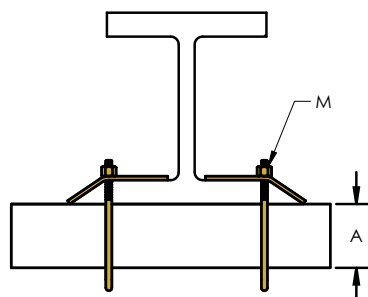
Icon	MT E4	E4	A (mm)	B (mm)	C (mm)	P	Icon
🌐	MT E4	E4	160	160	40	P1	📦



BF



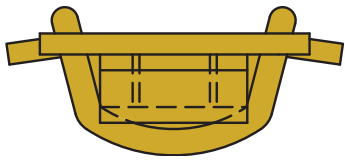
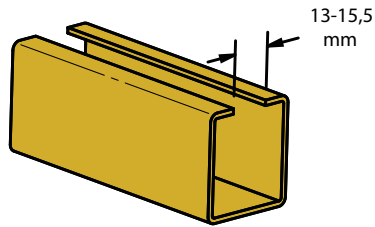
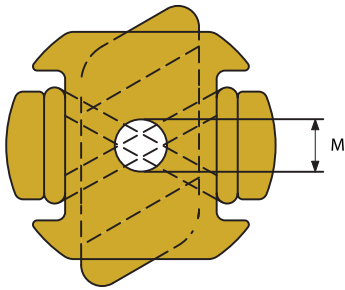
Icon	BF E0-E3 M6	E0/E1/E2/E3	A (mm)	M	P	Icon
🌐	BF E0-E3 M6	E0/E1/E2/E3	50	M6	P1	📦
🌐	BF E4 M8	E4	60	M8	P1	📦



C-FIX



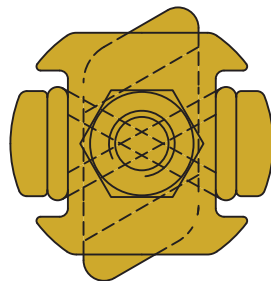
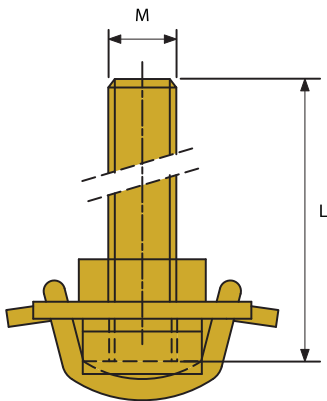
🌐	📖	∅	P	🏠	↓	↓
584500	C-FIX M6	M6	P1	100	300 N	100 N
584510	C-FIX M8	M8	P1	100	300 N	100 N
584520	C-FIX M10	M10	P1	100	300 N	100 N



C-FIX M

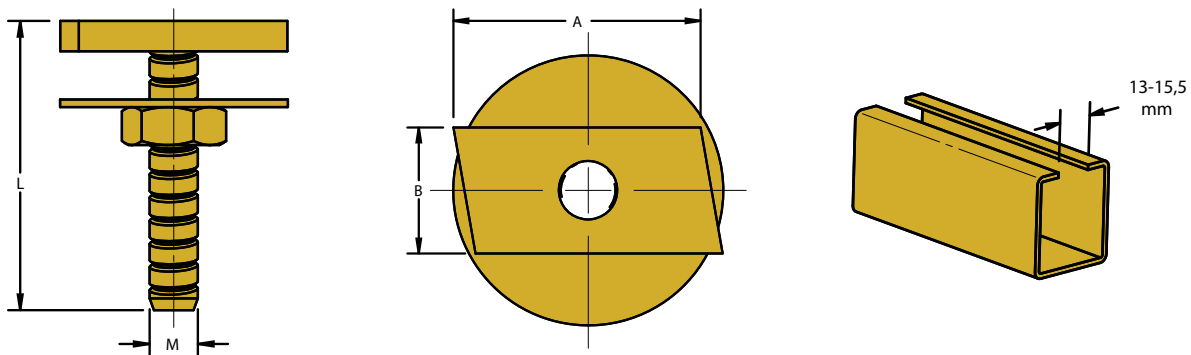
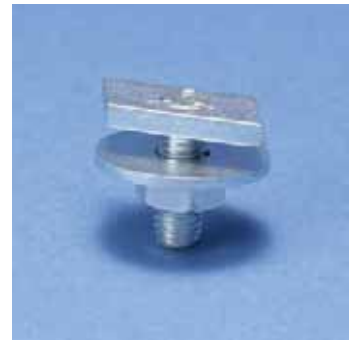


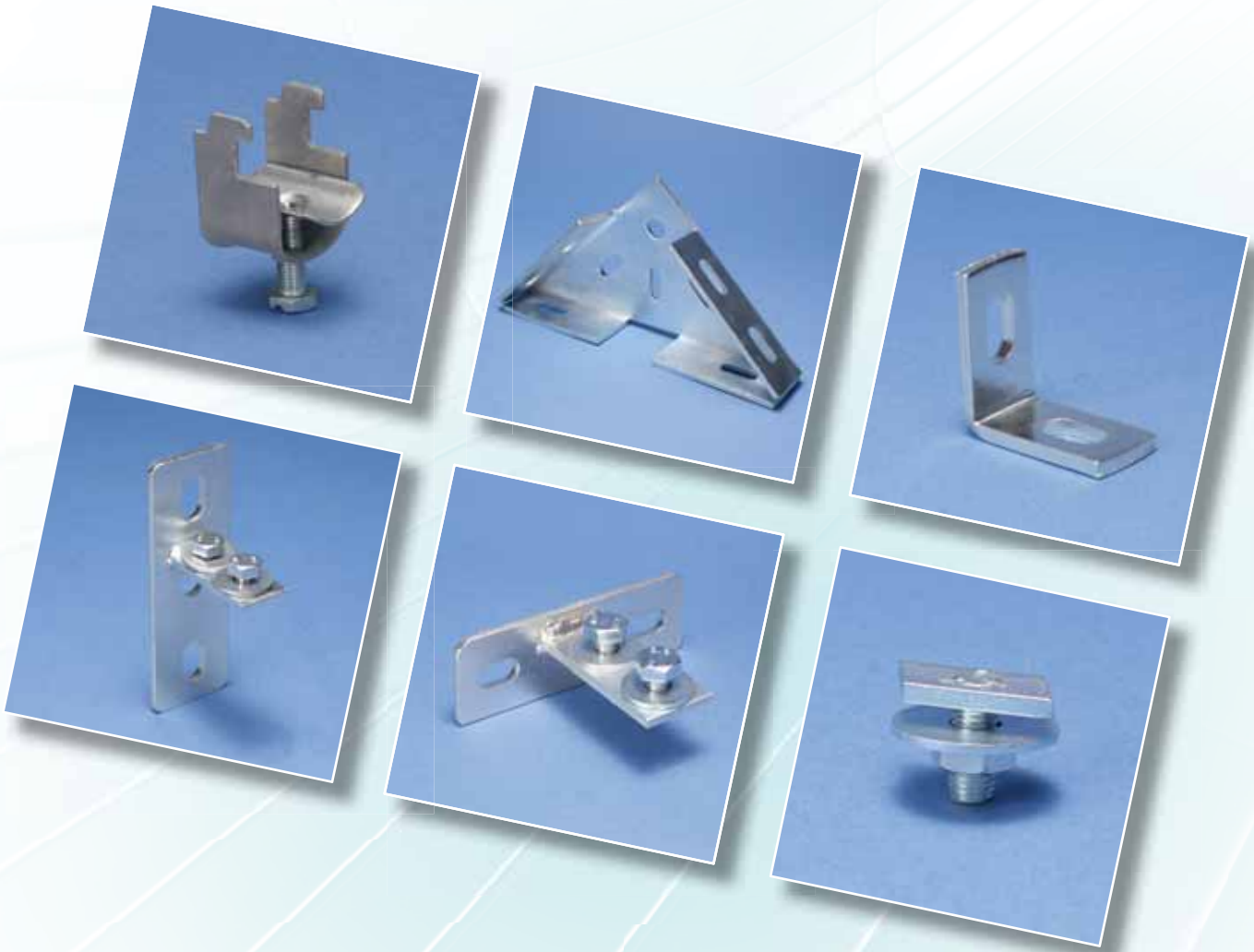
🌐	📖	∅	P	🏠	↓	↓
584530	C-FIX M8x30	M8	P1	100	300 N	100 N
584540	C-FIX M8x40	M8	P1	100	300 N	100 N
584550	C-FIX M8x60	M8	P1	100	300 N	100 N
584480	C-FIX M8x80	M8	P1	100	300 N	100 N
584490	C-FIX M8x100	M8	P1	50	300 N	100 N
584630	C-FIX M8x120	M8	P1	50	300 N	100 N
584580	C-FIX M8x150	M8	P1	50	300 N	100 N
584560	C-FIX M10x40	M10	P1	100	300 N	100 N
584570	C-FIX M10x60	M10	P1	100	300 N	100 N
584640	C-FIX M10x80	M10	P1	100	300 N	100 N
584650	C-FIX M10x100	M10	P1	50	300 N	100 N

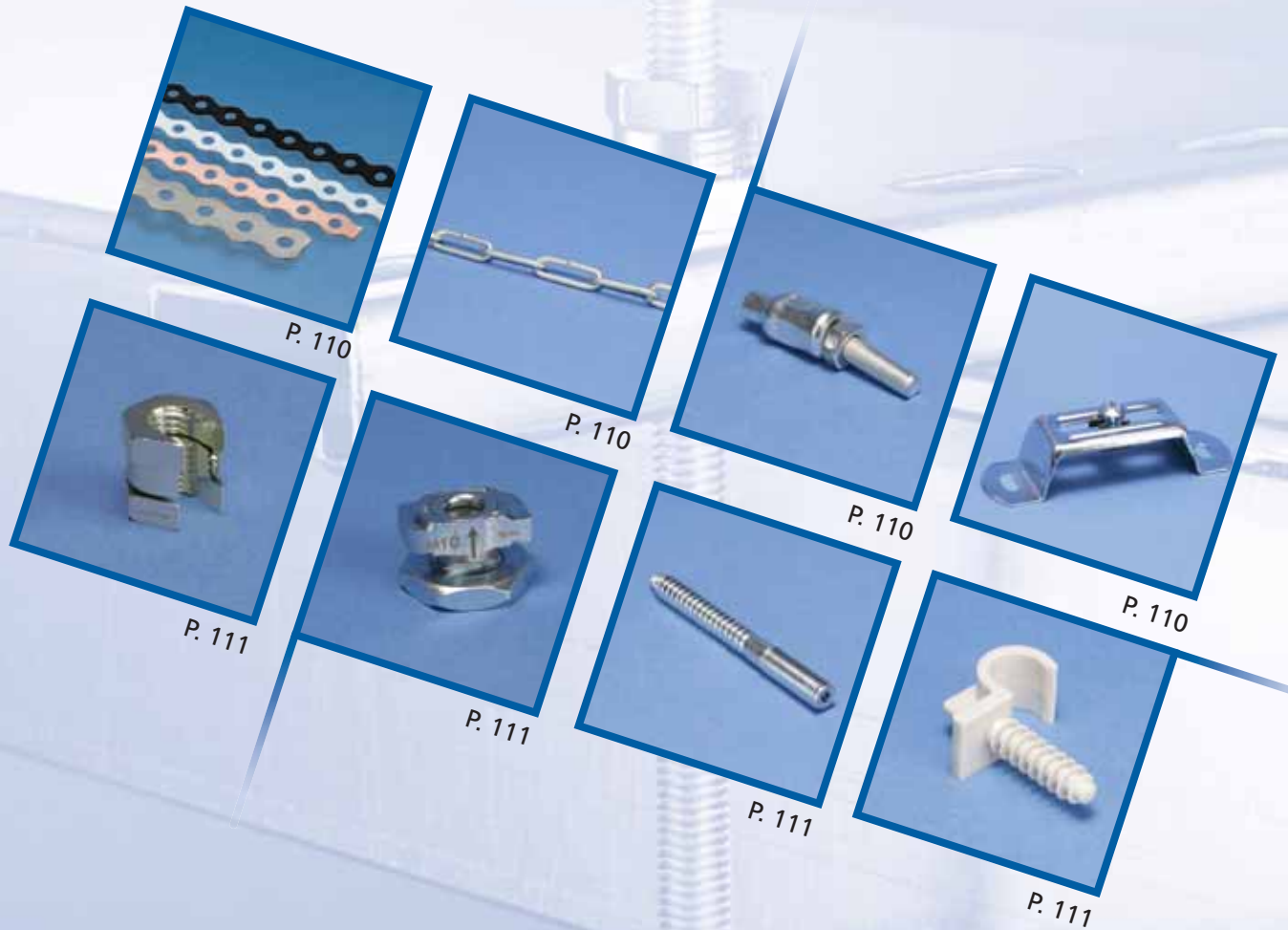




Icon	Icon	Icon	A x B (mm)	M x L (mm)	P	Icon
590074	KP E0L/E0/E1 M8x20	E0L/E0/E1	25 x 14	M8 x 20	P1	100
590075	KP E0L/E0/E1 M8x25	E0L/E0/E1	25 x 14	M8 x 25	P1	100
590076	KP E0L/E0/E1 M8x30	E0L/E0/E1	25 x 14	M8 x 30	P1	100
590077	KP E0L/E0/E1 M8x40	E0L/E0/E1	25 x 14	M8 x 40	P1	100
590078	KP E0L/E0/E1 M8x50	E0L/E0/E1	25 x 14	M8 x 50	P1	100
590079	KP E0L/E0/E1 M8x60	E0L/E0/E1	25 x 14	M8 x 60	P1	100
590082	KP E0L/E0/E1 M8x80	E0L/E0/E1	25 x 14	M8 x 70	P1	100
590083	KP E0L/E0/E1 M8x100	E0L/E0/E1	25 x 14	M8 x 80	P1	50
590087	KP E0L/E0/E1 M10x30	E0L/E0/E1	25 x 14	M10 x 30	P1	100
590088	KP E0L/E0/E1 M10x35	E0L/E0/E1	25 x 14	M10 x 35	P1	100
590089	KP E0L/E0/E1 M10x50	E0L/E0/E1	25 x 14	M10 x 35	P1	100
585050	KP E2L/E2/E3 M8x30	E2L/E2/E3	29 x 13	M8 x 30	P1	100
585000	KP E2L/E2/E3 M8x40	E2L/E2/E3	29 x 13	M8 x 40	P1	100
585060	KP E2L/E2/E3 M8x50	E2L/E2/E3	29 x 13	M8 x 50	P1	100
585010	KP E2L/E2/E3 M8x60	E2L/E2/E3	29 x 13	M8 x 60	P1	100
585020	KP E2L/E2/E3 M10x30	E2L/E2/E3	29 x 13	M10 x 30	P1	100
585030	KP E2L/E2/E3 M10x40	E2L/E2/E3	29 x 13	M10 x 30	P1	100
585040	KP E2L/E2/E3 M10x60	E2L/E2/E3	29 x 13	M10 x 60	P1	100
590201	KP E4 M8x25	E4	30 x 23	M8 x 25	P1	100
590200	KP E4 M8x35	E4	30 x 23	M8 x 35	P1	100
590210	KP E4 M8x40	E4	30 x 23	M8 x 40	P1	100
590202	KP E4 M8x50	E4	30 x 23	M8 x 50	P1	100
590203	KP E4 M8x80	E4	30 x 23	M8 x 80	P1	100
590204	KP E4 M8x100	E4	30 x 23	M8 x 100	P1	50
590207	KP E4 M10x35	E4	30 x 23	M10 x 35	P1	100
590330	KP E4 M10x50	E4	30 x 23	M10 x 50	P1	100
590208	KP E4 M10x80	E4	30 x 23	M10 x 80	P1	100







BP/ ABP

🌐	📖	Fig. #	A (mm)	∅ (mm)	📦
P1					
591350	BP17	2	17 x 0.6	4	1 (25m)
591360	BP25	2	25 x 0.8	4	1 (25m)
583920	ABP12G	1	12 x 0.8	5	1 (10m)
583930	ABP17G	1	17 x 0.8	7	1 (10m)
583940	ABP26G	1	26 x 1	8	1 (10m)
P2					
584020	ABP12i	1	12 x 0.8	5	1 (10m)
584030	ABP17i	1	17 x 0.8	7	1 (10m)
584040	ABP26i	1	26 x 1	8	1 (10m)
P3 + PL					
584160	ABP12PL	1	12 x 0.8	5	1 (10m)
584170	ABP17PL	1	17 x 0.8	7	1 (10m)

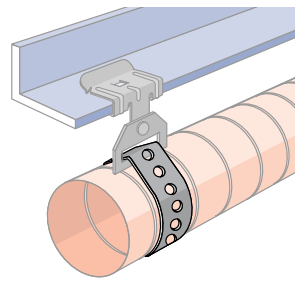


Fig. #1

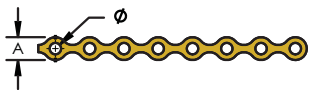
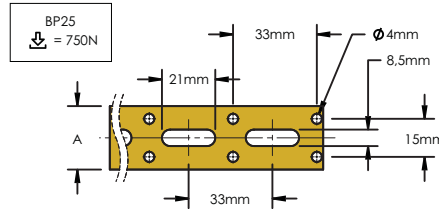
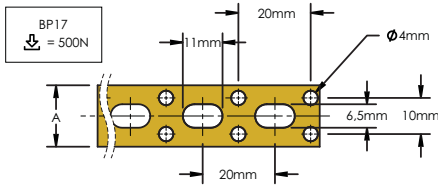
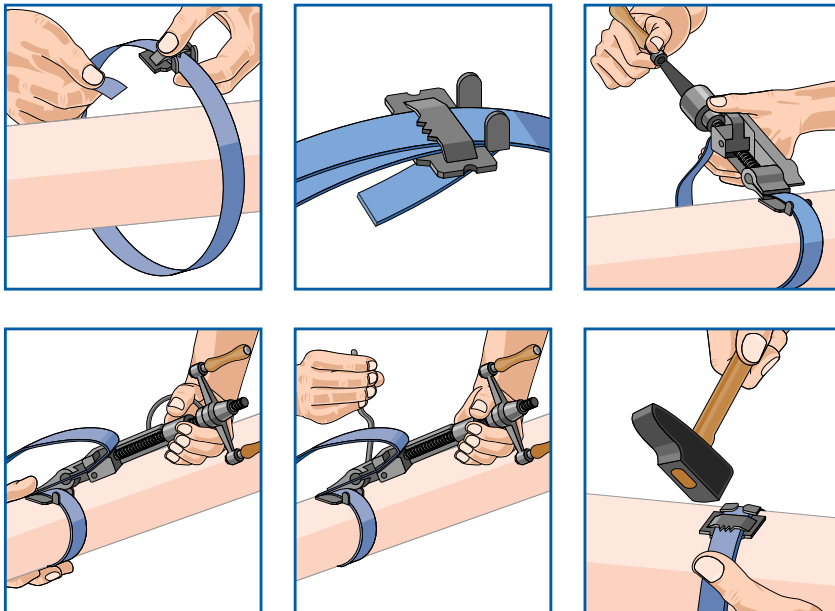





Fig. #2

FIXOBAND

🌐	📖	📦
591290	FIXOBAND 42014	1






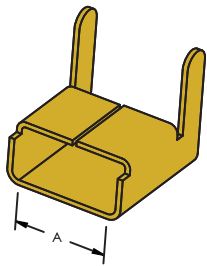
FEI

		A (mm)	P	
591200	FEI10	10.0	P2	50
591210	FEI12	12.7	P2	50
591220	FEI16	16.0	P2	50
591230	FEI20	20.0	P2	50






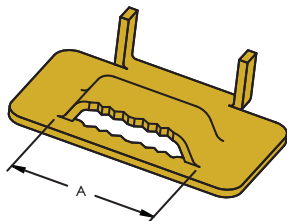
CEI

		A (mm)	P	
591070	CEI10	10	P2	100
591080	CEI20	20	P2	100



BEI

		A (mm)	P	
591250	BEI10	10.0	P2	100
591260	BEI12	12.7	P2	100
591270	BEI16	16.0	P2	100
591280	BEI20	20.0	P2	100



42000-2

🌐	📖	Fig. #	Ø	A (mm)	L (mm)	P	📦
350100	42020	1	M8	20	-	P2	100
350110	42021	2	M8	20	-	P2	100
350120	42022	3	M8	20	-	P2	100
350130	42023	4	M8	20	-	P2	100
350140	42024	5	-	20	140	P2	100
350150	42025	6	-	20	90	P2	100

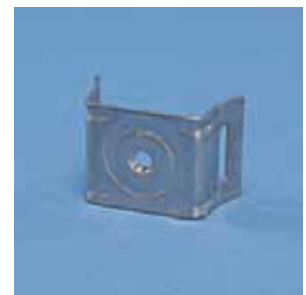
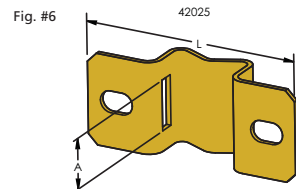
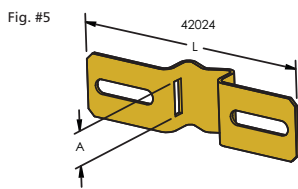
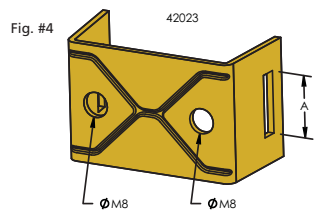
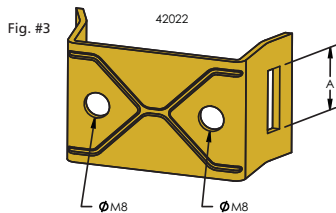
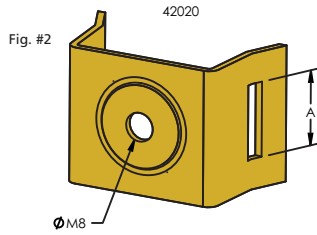
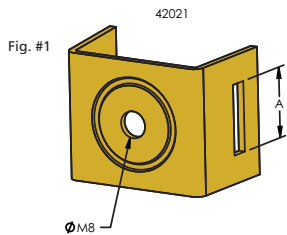


Fig. #2



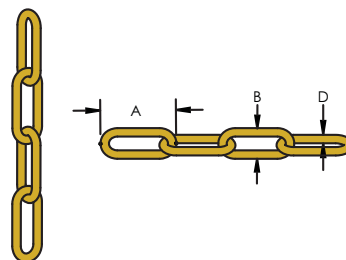
Fig. #3



Fig. #5

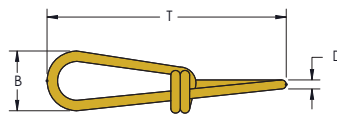
CHN

🌐	📖	A (mm)	B (mm)	D (mm)	📦	↓
P1						
386780	CHN13K	16	8	2.0	1 (30 m)	200 N
385910	CHN15K	29	10	2.5	1 (30 m)	300 N
385920	CHN17K	32	12	3.0	1 (30 m)	400 N
P2						
591500	CHN15K-2	29	10	2.5	1 (30 m)	300 N
591510	CHN17K-2	32	12	3.0	1 (30 m)	400 N



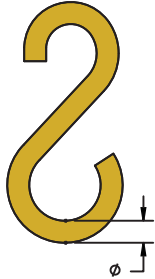
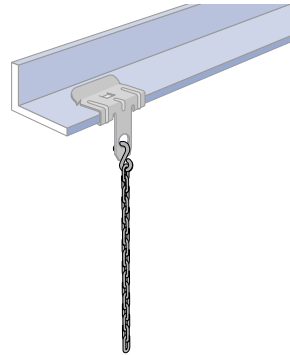
CHK

🌐	📖	B (mm)	D (mm)	T (mm)	P	📦	↓
385860	CHK22K	9.0	2.0	28	P1	1 (30 m)	400 N
385870	CHK25K	10.0	2.2	31	P1	1 (30 m)	500 N
385880	CHK27K	11.0	2.5	35	P1	1 (30 m)	700 N
385890	CHK30K	12.5	2.8	39	P1	1 (30 m)	900 N
385900	CHK32K	14.0	3.1	41	P1	1 (25 m)	1200 N



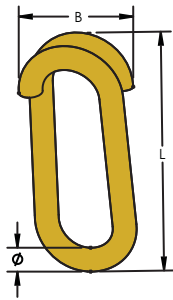
S

			\varnothing (mm)		
P1					
591570	S30		3	100	120 N
591580	S40		4	100	250 N
591590	S50		5	100	400 N
P2					
591650	S40-2		4	100	250 N
591660	S50-2		5	100	400 N



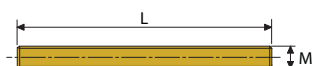
KN

			B (mm)	\varnothing (mm)	L (mm)	P		
380050	KN30		12.5	3	16.5	P1	100	370 N
380060	KN40		16.0	4	20.0	P1	100	550 N
380070	KN50		20.0	5	23.0	P1	100	950 N



TFZ

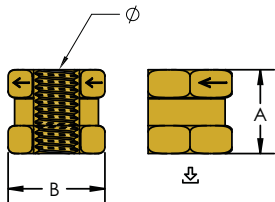
			L (m)	M	
P1					
592570	1TFZ6		1	M6	100
592580	2TFZ6		2	M6	50
592650	3TFZ6		3	M6	50
592590	1TFZ8		1	M8	50
592600	2TFZ8		2	M8	25
592660	3TFZ8		3	M8	25
592610	1TFZ10		1	M10	25
592620	2TFZ10		2	M10	25
592670	3TFZ10		3	M10	25
592630	1TFZ12		1	M12	25
592640	2TFZ12		2	M12	20
592680	3TFZ12		3	M12	20
P2					
592700	1TFZ6-2		1	M6	100
592710	2TFZ6-2		2	M6	50
592720	1TFZ8-2		1	M8	50
592730	2TFZ8-2		2	M8	25
592740	1TFZ10-2		1	M10	25
592750	2TFZ10-2		2	M10	25
592760	1TFZ12-2		1	M12	25
592770	2TFZ12-2		2	M12	20



SN



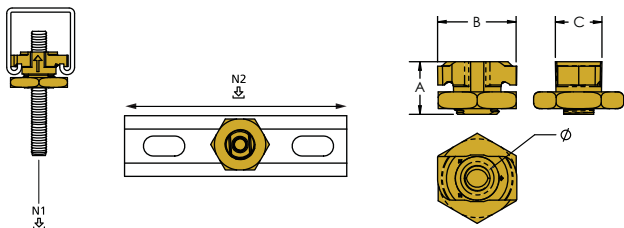
Icon	Icon	A (mm)	B (mm)	Ø	P	Icon	Icon
📖	🌐	19	22	M6	P1	100	1650 N
390005	SNM6	19	22	M6	P1	100	1650 N
390006	SNM8	19	22	M8	P1	100	4500 N
390007	SNM10	19	22	M10	P1	100	6000 N
390008	SNM12	19	22	M12	P1	100	10000 N



CADDY® ROD LOCK - S



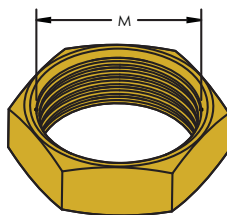
Icon	Icon	A (mm)	B (mm)	C (mm)	Ø	P	Icon	Icon	Icon
📖	🌐	23	35	13	M8	P1	100	2750 N	1,750 N
390003	CRLSM8EG	23	35	13	M8	P1	100	2750 N	1,750 N
390004	CRLSM10EG	23	35	13	M10	P1	100	3750 N	1750 N



HM



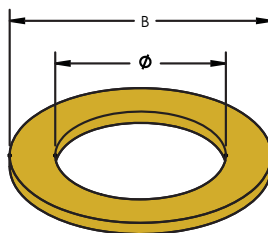
Icon	Icon	M	Icon
🌐	📖	M	📦
P1			
592040	HM6	M6	100
592050	HM8	M8	100
592060	HM10	M10	100
592070	HM12	M12	100
P2			
592130	HM6-2	M6	100
592140	HM8-2	M8	100
592150	HM10-2	M10	100
592160	HM12-2	M12	100



MU



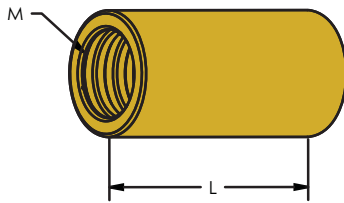
Icon	Icon	B (mm)	Ø (mm)	Icon
🌐	📖	B (mm)	Ø (mm)	📦
P1				
592390	MU06	12	6	100
592400	MU08	16	8	100
592410	MU10	20	10	100
592420	MU12	24	12	100
P2				
592480	MU06-2	12	6	100
592490	MU08-2	16	8	100
592500	MU10-2	20	10	100
592510	MU12-2	24	12	100



EM



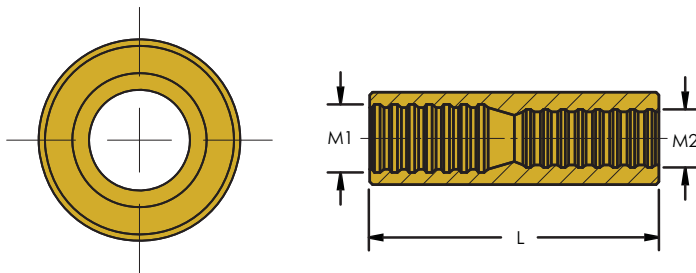
Icon	Icon	L (mm)	M	P	Icon
592300	EM6	30	M6	P1	100
592310	EM8	30	M8	P1	100
592320	EM10	30	M10	P1	100
592330	EM12	30	M12	P1	100



RFF



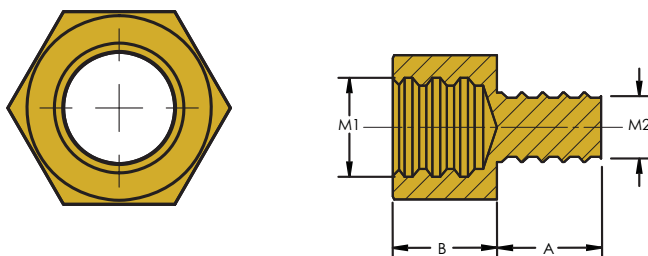
Icon	Icon	L (mm)	M1 x M2	P	Icon
583870	RFF 8-10	40	M8 x M10	P1	100
583880	RFF 8-12	40	M8 x M12	P1	100
583890	RFF 10-12	40	M10 x M12	P1	100



RMF

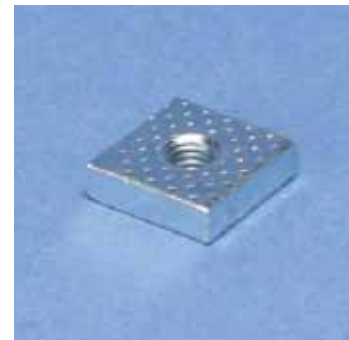
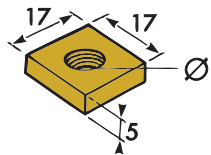


Icon	Icon	A (mm)	B (mm)	M1 x M2	P	Icon
583710	RMF 6-8	8	12	M6 x M8	P1	100
583720	RMF 8-6	8	12	M8 x M6	P1	100
583730	RMF 8-10	9	13	M8 x M10	P1	100
583740	RMF 8-12	10	13	M8 x M12	P1	100
583750	RMF 10-8	8	14	M10 x M8	P1	100
583760	RMF 10-12	10	14	M10 x M12	P1	100
583770	RMF 12-8	8	14	M12 x M8	P1	100
583780	RMF 12-10	10	15	M12 x M10	P1	100





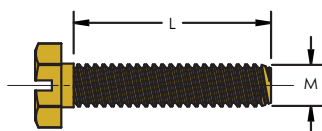
Icon	Icon	Ø	P	Icon
187310	VKM6	M6	P1	100
187320	VKM8	M8	P1	100
187330	VKM10	M10	P1	100



THMF



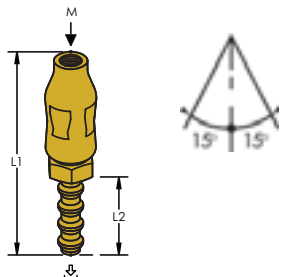
Icon	Icon	L (mm)	M	P	Icon
592850	THMF 8x16	16	M8	P1	100
592860	THMF 10x25	25	M10	P1	100
592870	THMF 10x30	30	M10	P1	100



RTU-C



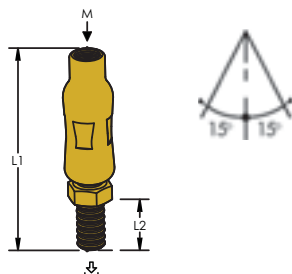
Icon	Icon	L1 (mm)	L2 (mm)	M	P	Icon	Icon
583580	RTUM8C	49.5	15	M8 x 15	P1	100	2,500 N
583590	RTUM10C	70	18	M10 x 18	P1	100	2,500 N



RTU-L



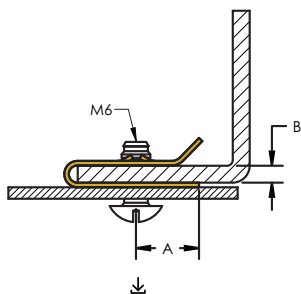
Icon	Icon	L1 (mm)	L2 (mm)	M	P	Icon	Icon
583600	RTUM8L15	59.5	15	M8 x 15	P1	100	2500 N
583610	RTUM10L18	80	18	M10 x 18	P1	100	2500 N
583620	RTUM12L20	89	20	M12 x 20	P1	100	2500 N
583630	RTUM10L30	85	30	M10 x 30	P1	100	2500 N
583640	RTUM10L60	115	60	M10 x 60	P1	100	2500 N



T4



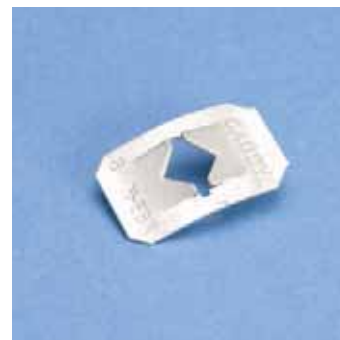
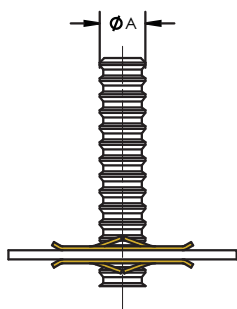
Icon	Icon	A (mm)	B (mm)	P	Icon	Icon
177450	T4	11	≤3.2	P21	100	400 N



EBN



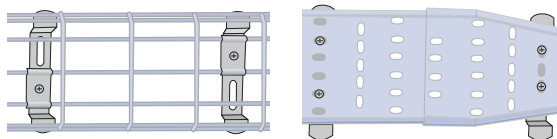
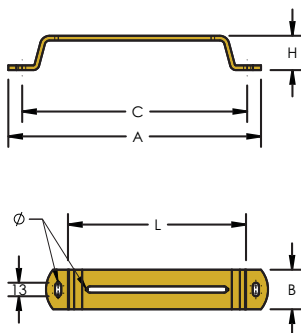
Icon	Icon	A (mm)	P	Icon
172100	4MEBN	M4	P21	100
172120	6MEBN	M6	P21	100
172130	8MEBN	M8	P21	100
172141	10MEBN	M10	P21	100



ECTB



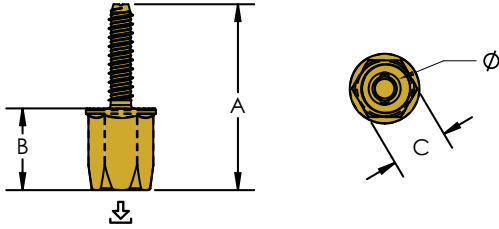
Icon	Icon	A (mm)	B (mm)	C (mm)	Ø (mm)	H (mm)	L (mm)	P	Icon
175640	ECTB1	122	38	96.5	6.5	25	63.5	P1	25
175650	ECTB2	186	38	160.5	6.5	25	127.0	P1	25
175660	ECTB3	283	38	257.5	6.5	25	225.0	P1	14
175670	ECTB4	360	38	333.5	6.5	25	298.5	P1	14
175950	ECTB5	520	38	494.5	6.5	25	460.0	P1	14



CADDY® ROD LOCK - A



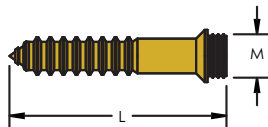
📖	🌐	A (mm)	B (mm)	C (mm)	⌀ (mm)	⊕ (mm)	∅	P	📦	↓
390009	CRLAM8EG	72	32	22	50	8	M8	P1	25	8800 N
390010	CRLAM10EG	72	32	22	50	8	M10	P1	25	8800 N



VDF-C



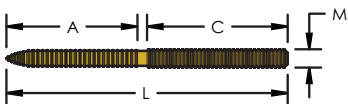
🌐	📖	L (mm)	M (mm)	P	📦
583850	VDF 8x40C	40	M8	P1	100
593320	VDF 8x50C	50	M8	P1	100
583860	VDF 10x45C	45	M10	P1	100



VDF



🌐	A (mm)	C (mm)	L (mm)	M (mm)	📦
P1					
593270	40	10	50	M8	100
593280	30	20	60	M8	100
593290	30	25	70	M8	100
593300	40	30	80	M8	100
593310	40	40	100	M8	100
593400	50	50	120	M8	100
593410	45	50	150	M8	100
593420	50	50	200	M8	100
593560	30	18	50	M10	100
593330	30	18	60	M10	100
593340	40	30	80	M10	100
593350	60	30	100	M10	100
593360	60	40	110	M10	100
593370	60	50	120	M10	100
593570	60	50	150	M10	100
593580	60	50	200	M10	100
P2					
400477	40	10	50	M8	50
400478	30	20	80	M8	50



CTF



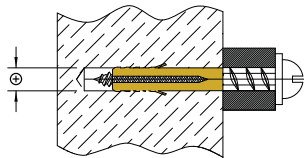
Icon	Icon	⊕ (mm)	L (mm)	P	Icon
571310	CTF 5 x 25	5	25	P1+P5	200



FPN



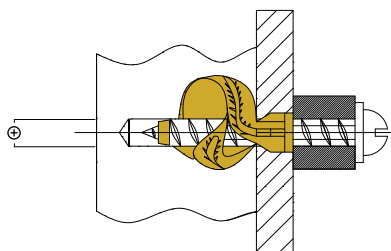
Icon	Icon	⊕ (mm)	P	Icon
570700	FPN5	5	P5	100
570710	FPN6	6	P5	100
570720	FPN8	8	P5	100
570730	FPN10	10	P5	50
570740	FPN12	12	P5	25



UPN



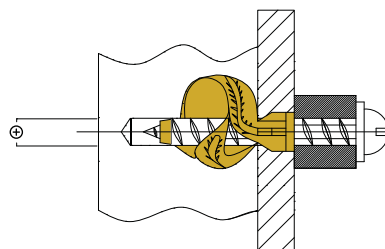
Icon	Icon	⊕ (mm)	P	Icon
570750	UPN6	6	P5	100
570760	UPN8	8	P5	50
570770	UPN10	10	P5	50
570780	UPN12	12	P5	50



NPN



Icon	Icon	⊕ (mm)	L (mm)	P	Icon
570800	NPN640	6	40	P1+P5	100
570810	NPN660	6	60	P1+P5	100
570820	NPN680	6	80	P1+P5	100
570830	NPN860	8	60	P1+P5	100
570840	NPN880	8	80	P1+P5	100
570850	NPN8100	8	100	P1+P5	100
570860	NPN8120	8	120	P1+P5	100



RING FRF



🌐	📖	Fig. #	∅ (mm)	⊕ (mm)	L (mm)	P	📦
571130	RING FRF 014/1	1	1 x 14	8	30	P5	100
571140	RING FRF 016/1	1	1 x 16	8	30	P5	100
571150	RING FRF 018/1	1	1 x 18	8	30	P5	100
571160	RING FRF 020/1	1	1 x 20	8	30	P5	100
571170	RING FRF 022/1	1	1 x 22	8	30	P5	100
571180	RING FRF 025/1	1	1 x 25	8	30	P5	100
571190	RING FRF 028/1	1	1 x 28	8	30	P5	100
571200	RING FRF 016/2	2	2 x 16	8	30	P5	100
571210	RING FRF 018/2	2	2 x 18	8	30	P5	100
571220	RING FRF 020/2	2	2 x 20	8	30	P5	100
571230	RING FRF 022/2	2	2 x 22	8	30	P5	100
571240	RING FRF 025/2	2	2 x 25	8	30	P5	100
571250	RING FRF 028/2	2	2 x 28	8	30	P5	100
571260	RING FRF 020/4	3	4 x 20	8	30	P5	100

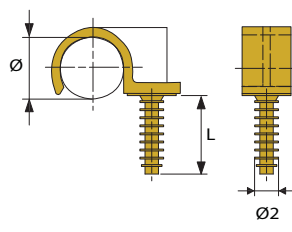


Fig. #1

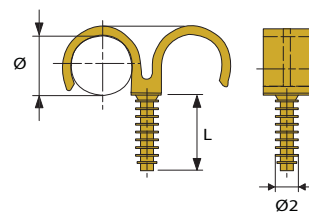


Fig. #2

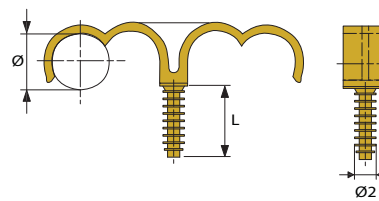
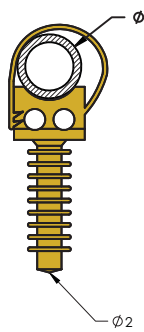


Fig. #3

RING PLUS



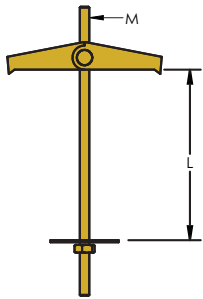
🌐	📖	∅ (mm)	⊕ (mm)	P	📦
571550	RING PLUS FRF 16	16	8	P5	100
571560	RING PLUS FRF 20	20	8	P5	100
571570	RING PLUS FRF 25	25	8	P5	100



MTSB



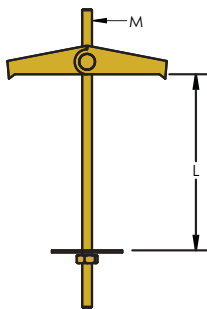
		(mm)	(mm)			
584400	MTSB3	10	85	M3	P1	100
584410	MTSB4	14	90	M4	P1	50



MTSH



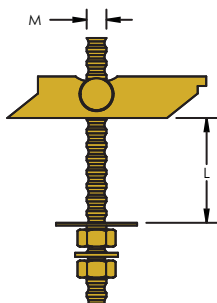
		(mm)	(mm)			
584420	MTSH3	10	70	M3	P1	50
584430	MTSH4	14	70	M4	P1	50



MTGB



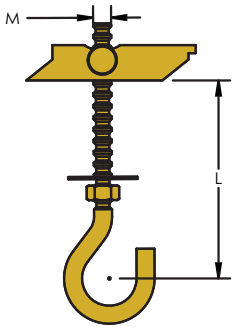
		(mm)	(mm)			
584440	MTGB8	16	100	M8	P1	100



MTGH



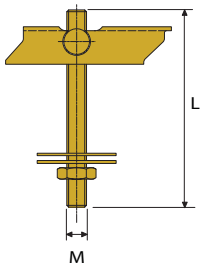
🌐	📖	⊕ (mm)	L (mm)	M	P	📦
584450	MTGH8	18	90	M8	P1	50



MTVB



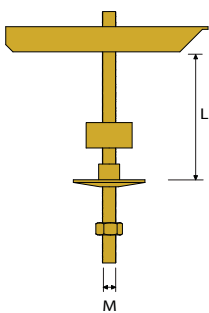
🌐	📖	⊕ (mm)	L (mm)	M	P	📦	↓
584455	MTVB8 (VDS)	22	100	M8	P1	25	20000 N
584465	MTVB10 (FM)	22	100	M10	P1	25	20000 N



MTGD



🌐	📖	⊕ (mm)	L (mm)	M	P	📦	↓
584460	MTGD10	32	95	M10	P1	25	20000 N



PWM



Icon	Icon	Fig. #	L (mm)	P	Icon
🌐	📖	1	36	P1	📦
571270	PWM	1	36	P1	100
571280	PWMS	2	36	P1	100

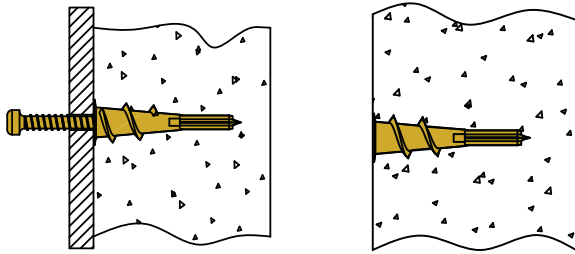


Fig. #1

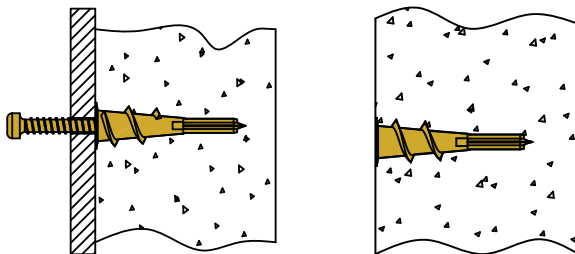


Fig. #2

PWN



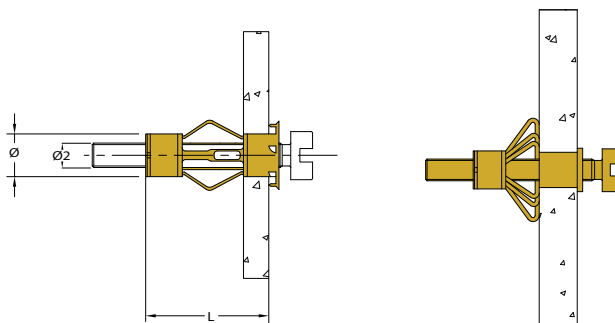
Icon	Icon	L (mm)	P	Icon
🌐	📖	38	P1+P5	📦
571290	PWN	38	P1+P5	100
571300	PWNS	38	P5	100



MFV



Icon	Icon	Ø (mm)	⊕ (mm)	L (mm)	P	Icon
🌐	📖	10	4	33	P1	📦
571460	MFV433	10	4	33	P1	100
571470	MFV537	12	5	37	P1	100
571480	MFV550	12	5	50	P1	100
571490	MFV565	12	5	65	P1	100
571500	MFV640	12	6	40	P1	100
571510	MFV650	12	6	50	P1	100



MFT



Icon	Icon	Fig. #	P	Icon
🌐	📖	1	P1	📦
571520	MFT1	1	P1	1
571530	MFT2	2	P1	1



Fig. #1



Fig. #2

CL



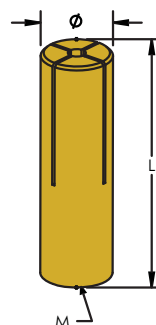
Icon	Icon	Ø (mm)	L (mm)	M	P	Icon
🌐	📖	8	30	M6	P18	100
593090	CL6	8	30	M6	P18	100
593100	CL8	11	40	M8	P18	100
593110	CL10	13	40	M10	P18	100



CA



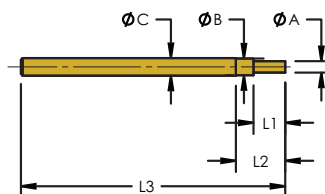
Icon	Icon	Ø (mm)	L (mm)	M	P	Icon
🌐	📖	8	30	M6	P1	100
593180	CA6	8	30	M6	P1	100
593190	CA8	10	30	M8	P1	100
593200	CA10	12	40	M10	P1	50



TCA

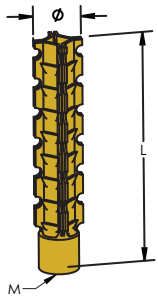


Icon	Icon	Ø A (mm)	Ø B (mm)	Ø C (mm)	L1 (mm)	L2 (mm)	L3 (mm)	P	Icon
🌐	📖	5.0	7.5	10	17	27	140	P1	1
593150	TCA6	5.0	7.5	10	17	27	140	P1	1
593160	TCA8	6.5	9.5	10	18	28	150	P1	1
593170	TCA10	8.0	11.5	12	24	34	160	P1	1





Icon	Icon	Ø (mm)	L (mm)	M (mm)	P	Icon
593210	CF8	10	38	8	P1	100
593220	CF10	12	60	10	P1	100



TRN

Icon	Icon	Fig. #	Ø (mm)	L (mm)	P	Icon
188130	TRN290N	1	75	290	P10	100
188150	TRN370N	1	100	370	P10	100
188140	TRN290B	2	75	290	P10	100
188160	TRN370B	2	100	370	P10	100

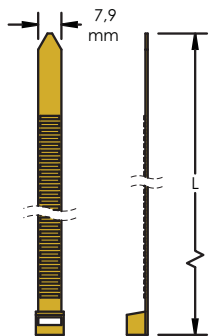


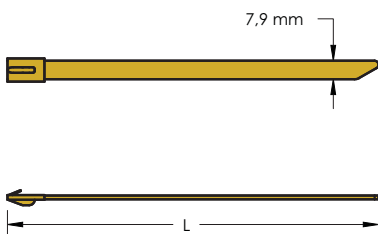
Fig. #1






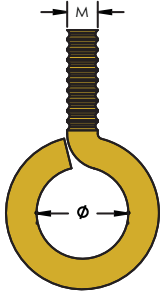
Fig. #2

MLT2H

Icon	Icon	Ø (mm)	L (mm)	P	Icon
188100	MLT2H-2	50	200	P2	100



		\varnothing (mm)	M	P	
336050	OSM8x25	12	M8	P1	100
336060	OSM10x30	14	M10	P1	100



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13.1 The CADDY® Fixings & Fasteners Story

RESEARCH AND DEVELOPMENT

The ERICO Research and Development department is constantly working on new fixings and fasteners and, at the same time, improving the present product range. Starting with six basic fasteners, the product range now has several hundred basic types. The majority of the CADDY product range is the result of ERICO development of fixings and fasteners to provide a solution for a customer's problem.

The following is the story of how we manufacture these quality spring steel fixings.

NOTE: Special applications not specified MUST be submitted to ERICO for engineering approval and load rating.

All cULus Listed CADDY fixings and fasteners meet the requirements of one of the following UL® standards: UL1565, UL2239 or UL514B.

MANUFACTURING

The steel for CADDY fixings and fasteners is procured in mill lots to AISI and ERICO standards; other materials are equally controlled.

PRODUCTION PRESSES

CADDY fixings and fasteners are produced with modern presses and precision tooling. Presses and tools are designed for close tolerance stamping.

HEAT TREATING

CADDY spring steel fixings are heat treated in modern shaker hearth furnaces. Precision controls maintain heat treat operations within the established limits developed by ERICO for CADDY fixings. ERICO standards incorporate consideration of fastener material and application.

CADDY fixings and fasteners are conveyed directly from the high temperature furnace to the quench tank, through a cleaning cycle and into the tempering furnace. The complete heat treat cycle is automatically controlled.

QUALITY CONTROL

CADDY® fixings and fasteners, manufactured by ERICO, are produced from spring steel, galvanized steel and plastic, as well as other materials. We are recognised in the industry as a leader in the design and production of spring steel fixings.

QUALITY ASSURANCE

Incoming steel is sampled and inspected for conformance to AISI specifications and ERICO standards. Test fixtures and procedures for development and quality control are designed to simulate normal field applications. Fixings are tested, on a sample basis, to ERICO standards by certified inspectors. Testing of specific quantities of fixings and fasteners to destruction in special statistical audits ensures a continuous high level of quality.

Innovative Ideas

ERICO Research and Development is continually working with contractor suggestions to develop new fixings and improve the current product offering. Thanks to your help, our focus on continuous product innovation is moving forward. Your suggestions have resulted in exciting improvements to many of our existing fasteners. In fact, the majority of CADDY® fixings and fasteners are the result of providing solutions for customers' problems.

We always welcome your ideas and suggestions. To submit an idea go to www.erico.com.



13.2 Quality Assurance

Quality Assurance

Quality Assurance ISO 9001:2008

All ERICO products in the CADDY® product range are subject to strict and continuous quality control. The quality control includes material test, heat treatment in the production, corrosion protection, finished and packaged parts.

All ERICO affiliates are certified according DIN ISO 9001.

Test and Control Procedure

ERICO systematically conducts tests on finished products according to the procedures of the ERICO quality assurance manual.

The test methodology is confirmed by independent laboratory tests, which have issued certificates according to DIN 18168 for the tested CADDY products (Ref. see below).



13.3 Fire Rating Classification

The Fire-Test

ERICO conducted several tests on CADDY® fixings and fasteners installed within cable tray systems and other applications. These tests were conducted within a calibrated fire-chamber to obtain appropriate Fire-Rating Classification approvals.

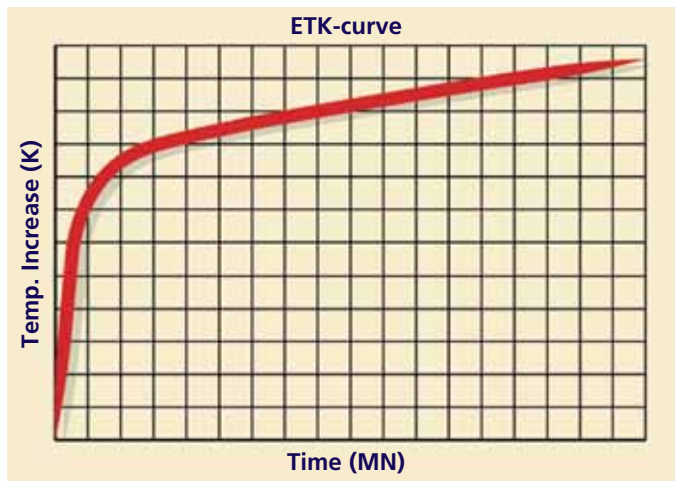
The fire chamber tests were conducted in accordance to DIN4102-12. The temperature increase is according to the graph curve as detailed.

The Fire Rating is achieved providing that the installation does not collapse or there is no "short circuit" within the system.

E30: 30 minutes without deviation.

E60: 60 minutes without deviation.

E90: 90 minutes without deviation.



Temperature-curve



The tests were conducted in association with the following manufacturers:

- Daetwyler: Swiss manufacturer of cables.
- PUK: German manufacturer of cable trays.



Installation within fire chamber.



Chains applied as weight simulation.



FIRE

The tests were successfully concluded within the specified norms.



The systems after the fire-test.



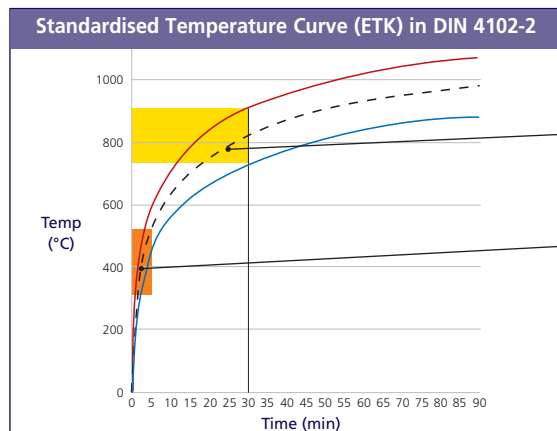
13.3 Fire Rating Classification

CADDY® SPEED LINK Fire Rating

CADDY SPEED LINK from ERICO is a universal wire rope system manufactured exclusively from steel.

Reaction to Fire

Since the system is nonflammable, no smoke is generated. The classification for reaction to fire shall be defined as specified in DIN EN 13501-1:A1.



Temperature range after 30 minutes of testing

Melting temperature range of non-ferrous metal

- + Tolerance
- - - ETK = Standardized Temperature Curve
- - Tolerance

Resistance to Fire

CADDY SPEED LINK wire rope systems are tested based on DIN 4102-2. The standardised temperature curve (ETK) shows the temperature/burn time relationship in a real fire. After 30 minutes, the temperature may rise to 900° C. Under these circumstances, the test specimen must support the load and remain in place.

Wire Rope Diameter	Burn Time	Test Load	ETK Temperature
1.5mm	30 min	60N	825°C
1.5mm stainless steel	30 min	60N	825°C
2mm	30 min	135N	825°C
3mm	30 min	270N	825°C

Intertek® Testing Services NA LTD, and independent third-party testing laboratory, performed the tests.

F30 Certification for:

- CADDY® SPEED LINK
- CADDY® SPEED LINK LD

Meets the fire rating requirements of DIN 4102-2 for 30 minutes at 30 percent of rated load.



E30 Certification for:

- CADDY® CAT LINKS

Meets the fire rating requirements of DIN 4102-12 for 30 minutes at 30 percent of rated load.



ABP certificate

Nr. P-3414/1904-MPA BS

(according to German standards)

E90 Certification for:

- Strut channels and cantilever arms 41x41x2,5 mm
- CADDY® SLICK NUT
- ISN-nut
- ISSP-plate
- PLN-plate
- C-EC Clamp
- RIGD
- Several products used in combination within these systems



CADDY® CAT LINKS



RIGD



CADDY® ERISTRUT STRUT + TFZ + ISSP



ISN + TFZ + C-EC



CADDY® SLICK NUT



C-EC + SKR + CADDY SLICK NUT + PLN



ISSP

13.4 Materials & Finishes

P1 Electro Zinc Plated

The anti-corrosion protection consists of an electrolytically applied zinc coating with a layer thickness of 5-8 micron or an equivalent treatment.

This protection will withstand 90 hours saltspray test to SS-DIN 50021, ISO/R 1456-1970, ASTM B 117-90.

P2 Stainless Steel

Spring steel stainless steel fasteners are made of austenitic stainless steel type X12.

Cr Ni 17-7 (AISI 302, Standard no. 1.4310, according to DIN 17224).

CADDY® components C20, C30, C45, 5000, 6000 and all CR clamps are made of austenitic stainless steel type X5 Cr Ni 18-10 (AISI 304, standard n° 1.4301).

CADDY profiles, the associated fixing component and the strut nuts are normally made of standard n° 1.4571.

Fixoband and buckles are made of austenitic stainless steel type AISI 201. ERICO fixing products made of stainless steel are intended for indoor and outdoor use in non-corrosive environments.

NOTE: Because stainless steel is susceptible to stress corrosion in chloride environments, it is forbidden to use these ERICO fixing products in chloride environments (indoor swimming pools, etc.).

When selecting ERICO stainless steel products for a corrosive environment, it is always best to consult with a corrosion engineer and, if possible, conduct tests in the environment involved under actual operating conditions or ask ERICO for engineering approval and load rating.

P3 Hot Dip Galvanised Zinc

Protection against corrosion is provided by hot dip galvanising in accordance with DIN 50976+Zn-D, NFA 91-121; NEN 1275.

The zinc layer thickness is 50-70 micron (350-500 g/m²).

The finish can be used for indoor and outside applications and is suitable for use in humid and mildly corrosive environments.

P5 Nylon

P6 Laquered

6.1 White Laquer

The white laquered finish (RAL 9010) is intended for indoor use in non-corrosive environments. The corrosion resistance of the layer is 192 hours for a salt spray test as per DIN 50021, ISO/R 1456-1970 and ASTM B 117/90.

6.2 Red Paint

6.3 Black Paint

6.4 White Paint

P9 Polyurethane (PU)

Injection moulded elastomeric. UV/resistant. Very good chemical resistance.

P10 Polyamide (PA)

Injection moulded thermoplastic. 10+ long glass fibres have been added to enhance strength and thermal stability.

Not recommended in chemically aggressive environments.

UV-stabilised in black colour.

P11 Polyvinylchloride (PVC)

Extruded or injection moulded thermo-plastic.

Economical price, but only moderate strength characteristics. UV-stabilised. Good chemical resistance.

These materials are intended for corrosive environments.

However, there are chemicals that may affect one or more of these materials. For specific applications, it is recommended to contact ERICO for a chemical compatibility chart and other relevant data sheets.

P12 Polypropylene (PP)

P13 Polyethylene (PE)

P17 Nickel Plated

P21 CADDY® ARMOUR

The CADDY® ARMOUR coating system features bi-metallic corrosion protection with an inorganic basecoat for sacrificial protection and an organic topcoat for barrier protection. The ERICO standard for CADDY ARMOUR includes at least 1,000 hours resistance against red rust when tested per the ASTM B117, DIN 50021, or ISO/R 1456 salt spray tests.

The CADDY ARMOUR manufacturing line is optimised to control heat energy, thereby minimising fossil fuel use. Our energy-efficient coating process minimises waste by reusing coatings in the process, rather than by burning off excess coatings, into the air. The entire coating process has been designed with a waste minimisation approach, which allows the reuse of water and process streams.

CADDY ARMOUR is RoHS compliant.

P22 Multi-Layer Corrosion Protection (MCP)

This highly-effective multi-layer anti corrosion protection consists of an SC3 zinc base coating with an electrostatically applied polyester top coat.

This coating provides superior corrosion protection as compared to Hot Dip Galvanised Zinc coatings, can be used for indoor and outside applications, and is suitable for use in humid and mildly corrosive environments.

P24 EPDM

P25 Polyester



13.5 Load Rating

CADDY® fixing products from ERICO are designed with two load limits:

5a. Static Load in NEWTON



- Static load limit values specify maximum allowable installed loads for user application.
- If no direction is indicated or a zero load rating is given, the product is to be used for positioning purposes only.

5b. Ultimate Static Load in NEWTON



- If this rating is exceeded, failure of the fixing product may occur.

5c. Safety Factor (SF)

SF

- ERICO standards require that CADDY® spring steel fixings withstand a load equal to four times (4:1) this catalogue rating, unless stated otherwise with an SF.

For Example:

- CADDY® SPEED LINK - 5:1
- Spring Steel Fasteners - 4:1
- CADDY® CAT LINKS - 3:1

CADDY fasteners are designed with two load limits:

1. **Static load limit** is a rated stationary load limit for a fastener. ERICO standards require that test samples withstand a load equal to four times this catalogue rating.
2. The **ultimate static load limit** is the rated stationary load limit which, if exceeded, may cause failure of the fastener. ERICO standards require that test samples withstand this catalogue rating. Some CADDY fixings and fasteners also are designed with an undefined rating and are to be used for positioning only with no loading on them.
3. Applications and load ratings may change without notice. Refer to instruction sheet in box or contact ERICO for current load and application information.

Static load limit and ultimate static load limit values specify maximum allowable installed loads for user applications. These values are for loads applied VERTICALLY to the normal fastener installation except as may be diagrammed otherwise. Where the load rating of the CADDY fixings and fasteners exceeds that of the structural member, the lowest rated item must set the load limit.

Load ratings are only valid within +5 to +35°C unless otherwise specified in this catalogue. If no direction is indicated or a zero load rating is given, the product is to be used for positioning purposes only.

A load rating in this catalogue is only applicable if the load-bearing capacity of the supporting element (purlin, angle beam, flange, bar, etc.) is adequate.

Any repositioning, deformation, or cracking of the supporting element should be a warning that the load bearing capacity of the element is exceeded.

In such situations, take preventive measures: consult a structural engineer, or consult ERICO for advice.

NOTE: ERICO will be pleased to advise on special applications or loading situations. CADDY fixings and fasteners are intended for support of electrical components at stationary loads. Not to be used for dynamic loads such as fluid and gas distribution components, etc.

1kg = 10N

2a. Spring Steel Clips

1a. Description

CADDY® clips from ERICO are manufactured from heat treated spring steel and, as a single or combined fixing system will primarily apply to steel beam applications.

The fixing method relies on the use of the spring retention force, loads of up to 90 kg (with a 4:1 safety factor unless stated otherwise) can be carried through the clamping force.

1b. Installation Advice

The installation of CADDY brand of spring steel clips is simple and easy:

In each box of product you will find an instruction sheet with appropriate technical information.

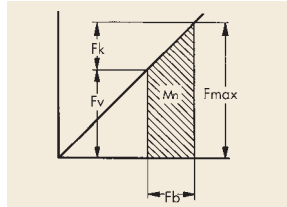
1c. Basic Guidelines

ERICO DOES NOT RECOMMEND THE INSTALLATION OF CADDY CLIPS ONTO ALUMINIUM SECTION:

- Because aluminium is a softer material, the clamping effect would be reduced.
- The bi-metal connection between the aluminium and zinc coated clips would create a galvanic corrosive reaction causing the aluminium to corrode.
- Spring steel fasteners are for indoor use in non-corrosive environments. Mild steel fasteners can be used outdoors in humid or mildly corrosive environments. Not to be used in certain areas such as over indoor pools, etc. CADDY® Clips should not be re-used after removal

NEVER APPLY ADDITIONAL HOT DIP GALVANISING TO SPRING STEEL CLIPS:

- This would reduce or eliminate the spring steel retention force.
- The appropriate corrosion protection has already been applied.

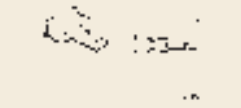


Explanation of the diagram:

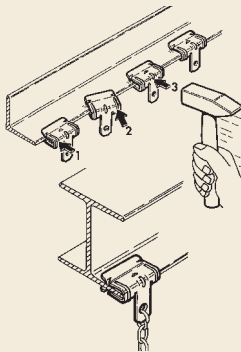
- pre-tension - Fv
- clamping force - Fk
- max. spring tension - Fmax
- clamping range - Fb
- usable action of spring - Mn



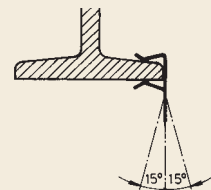
Code	A (mm)	N
2H4	2-3	700
4H24	3-8	900
4H58	8-14	900
4H912	14-20	900



Code	A (mm)	M	N
4H24i	3-8	M6	150
4H58i	8-14	M6	150



Do not insert any secondary component between the beam and the CADDY clip.



Up to a 15 degree inclination from the vertical axis is acceptable.

2b. "Bolt on"

2a. Description

For the installation of this type of CADDY fixing, some technical details have to be taken into consideration.

In particular the torque required, as indicated on the required technical information.

2b. Installation Advice

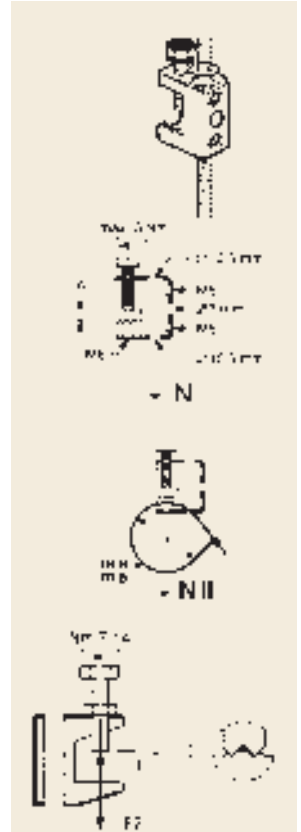
The 8.8 grade high tensile steel screw has a cupped or hollow cone point of contact to DIN 78.

This ensures a constant contact pressure with a high resistance to loosening or unscrewing.

The endurance of a clamped connection is determined by the torque required.

By tightening the bolt, an initial stress F1 is applied to the clamp.

If the initial stress F1 and the load F2 are on or close to the same axis or close to each other, the following formula applies:



Bolt grade 8.8 high tensile steel, DIN EN 20898-1 : 1991

$$\downarrow = 4X \quad \downarrow = F_1 + F_2$$

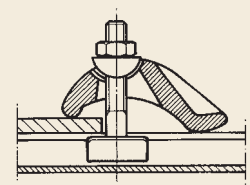
Ultimate load = useful load + safety factor 4:1

2c. Indirect Clamp

In this application, the bolt setting forces are transferred to the clamping component.

Bolts to tensile stress are 8.8 grade high tensile steel, to DIN ISO 939.

In most applications, CADDY clamping components are tightened with an open-ended or ring spanner. The table below gives a "guideline value" derived from experience for the force and leverage length required for grades 6.8 and 8.8.



Screw Size	Manual Force N	Wrench Length mm
M6	375	110
M8	380	120
M10	390	170
M12	400	260
M16	430	530

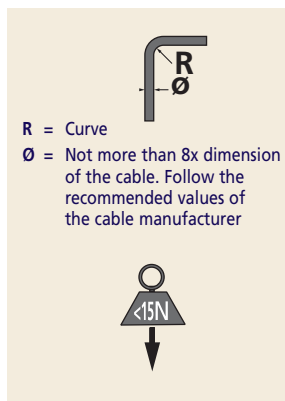


13.7 CADDY® CAT LINKS

a. How data cabling professionals install high performance, data cabling (CAT 5,... fibre optic,...).

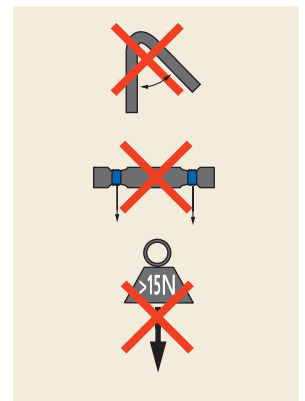
DO

- Investigate cable route & wiring
- Plan for moves and changes
- Select open installation
- Follow codes & standards for cable specifications
- Bend radius: keep radius as large as possible
- Pull strength: keep below manufacturer's recommended maximum pull load
- Pull gradually



DON'T

- Run parallel to power cables
- Limit future expansion
- Pull cable around sharp edges
- Kink or crimp cables
- Use tight cable ties
- Overload / overstress (pull)
- Lay cables directly on suspended ceilings

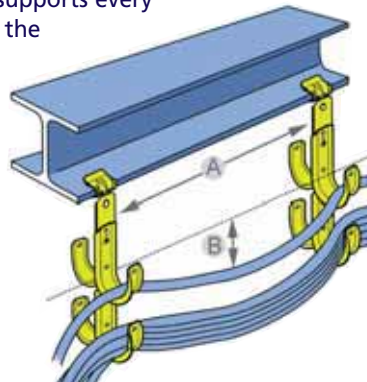


b. Tip

For all CADDY® CAT LINKS and CADDY® CABLE CAT supports, make sure cable sag between fixings is no more than 300 mm at midspan.

(Actual sag will depend on the number of cables in each bundle and the weight of the cable.)

To achieve this locate the supports every 1.2 to 1.5 m to stay within the 300 mm sag criteria.



A = 1,20 - 1,50 m
 B < 300 mm

c. EN 50174 (current edition)

CADDY CAT LINKS

Cable management products comply with the provisions of EN 50174 (current edition) "Information Technology – Cabling Installation; Part 1: Specification and quality assurance", e.g., clause 5.8 (sharpness of edges, bend radii, accessibility).

They support the installation practices described in EN 50174 current edition "Information Technology – Cabling Installation; Part 2: Installation planning and practices inside buildings".

Icon	Ø (mm)
CAT16HPE	25
CAT32HPE	50
CAT48HPE	75
CAT64HPE	100
CAT425	100/150

d. TIA 569 (current edition)

4.6.2 Design guidelines

4.6.2.1 Planning — The design shall provide a suitable means and method for supporting cables from the telecommunications closet to the work areas to be served. Cables shall not be laid directly on the ceiling tile or rails.

4.6.2.2 Clearance — A minimum of 75 mm (3 in) clear vertical space shall be available above the ceiling tiles for the horizontal cabling and pathway.

4.6.5.2 A suspended ceiling support rod or wire may be used to mount appropriate cable fasteners loaded with multiple cables up to the total weight for which the fastener is

approved. The T-bar rail of a suspended ceiling may be used to mount appropriate cable fasteners loaded with cable up to a total weight of 7 N/m.

The fastener design shall not interfere with the inserting or removing of the ceiling tile.

NOTES:

1. A weight of 1 kg or 10 N/m with spacing of support wire/rod at 1.5 m is equivalent to a bundle of sixteen 4-pair 24 AWG UTP cables, including fasteners.
2. If any side pull is exerted on the support wire, like a turn in direction of the cables, the level of ceiling tee rail could be affected.



13.7 CADDY® PYRAMID



CADDY® PYRAMID - Rooftop Pipe Supports

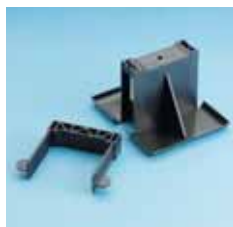
ERICO is committed to offering high-quality, innovative products and services for the roofing, electrical and mechanical markets. To provide installers with a more extensive range of products for roofing applications, ERICO has expanded its already popular CADDY® PYRAMID programme of rooftop pipe supports.

- **CADDY® PYRAMID:** The original design provides lightweight support with roof-friendly materials.
- **CADDY® PYRAMID EZ Series:** EPDM rubber-based; requires no tools or fittings, making installations easier than ever.
- **CADDY® PYRAMID ST Series:** A strut-based support utilising an engineered thermoplastic base with a UV stabiliser. The CADDY PYRAMID ST Series offers excellent load distribution with high load ratings.

All CADDY PYRAMID products are designed with a wide variety of high-quality, user-friendly features:

- **Versatile:** CADDY PYRAMID products offer superior load capacity and dramatically reduce installation time by replacing slow, heavy and labour-intensive methods to support pipe, conduit, duct, cable tray, ladder rack and equipment.
- **Durable:** CADDY PYRAMID has passed a variety of rigorous tests, such as extreme temperature. Unique materials and finishes offer superior corrosion protection.
- **Roof friendly:** CADDY PYRAMID products are specifically designed for rooftop applications. Unlike wood blocks or concrete slabs, CADDY PYRAMID is designed to protect roof membranes by dampening shock or vibration. The CADDY PYRAMID EZ Series is made from EPDM, the same material as many roof membranes. The base design of the CADDY PYRAMID ST Series helps distribute loads evenly to avoid stress concentration on membranes. The original CADDY PYRAMID polyethylene closed-cell foam is one of the most roof-friendly materials on the market today.

CADDY® PYRAMID



CADDY® PYRAMID 25



CADDY® PYRAMID 50



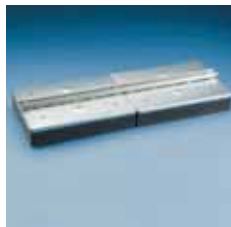
CADDY® PYRAMID Plenum



CADDY® PYRAMID 150



CADDY® PYRAMID 300



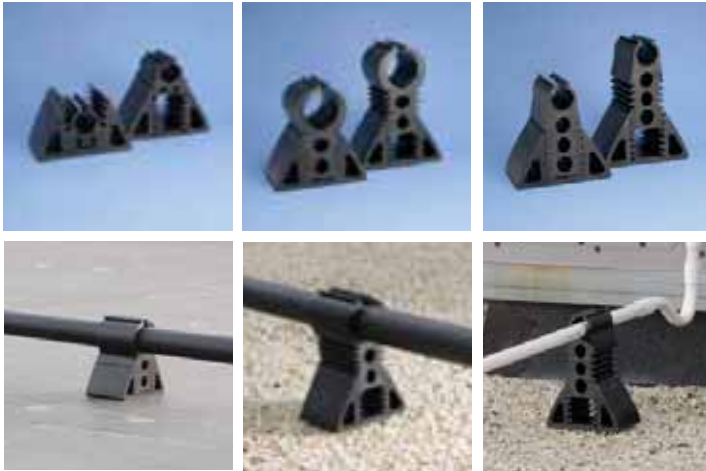
CADDY® PYRAMID 600

- Dramatically reduces installation time by replacing slow and labour-intensive methods for supporting pipes, conduits, cable tray, ladder rack and equipment on roofs and below raised floors.
- Supports a wide range of concentrated loads from 220N to 2700N (5:1 Safety Factor)
- Easily increases load capacity by combining similar CADDY PYRAMID supports (two CADDY PYRAMID 50 units = 440N).
- Designed to help protect the roof membrane while absorbing shock and vibration, but will not absorb water.
- Corrosion protected metal cover is designed to protect against weather and other environmental conditions, such as damage caused by birds.
- Features a standard electro-galvanised finish for corrosion protection.
- Passed ASTM® A370-30A for mechanical pull testing between -40 C (-40 F) and +65 C (+150 F)
- Passed ASTM G154 on foam construction for accelerated UV exposure test



13.7 CADDY® PYRAMID

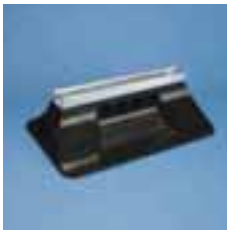
CADDY® PYRAMID EZ Series - Adjustable-Height Tool-Free Rooftop Pipe Supports



- **Quick and easy:** No tools or fasteners needed; fast snap-on installation
- **Roof friendly:** Made of UV-stabilised EPDM material
- **Height adjustable:** Multiple models allow for height adjustment from 40 mm to 100 mm, 100 mm to 150 mm, or 125 mm to 175 mm
- **Convenient:** Models can accommodate up to 2" Sch. 40 steel pipe or rigid conduit

Contact project or roofing engineer for maximum allowable load on individual project roof system. For more information, visit www.erico.com

CADDY® PYRAMID ST Series - Strut-Based Thermoplastic Supports



Fixed Strut Supports

- Provide fixed-height mounting platform 100 mm or 150 mm above the roof surface and 250 mm or 400 mm of usable strut length
- Maximum recommended load is up to 6670N
- Hot-dip galvanised finish provides superior corrosion protection



Adjustable-Height Strut Supports

- Allow elevation change up to 400 mm off the roof surface with 250 mm or 400 mm of usable strut length
- Maximum recommended load is up to 6670N
- Hot-dip galvanised finish provides superior corrosion protection

- **Versatile:** Ideal for a variety of rooftop applications; provides superior support for pipe, conduit, duct, cable tray, ladder rack and equipment
- **High load capacity:** Structurally engineered to support up to 150 mm pipes and electrical equipment up to 6670N.
- **Roof friendly:** Unique design and continuous bottom surface provide uniform load distribution and are designed to help protect the roof membrane from damage caused by concentrated pressure.
- **Height adjustable:** Designed to accommodate elevation changes on the roof. Installation at a greater distance from the roof may be required by some standards. In addition, height adjustment minimizes de-rating in some instances.
- **Long-lasting performance:** Engineered thermoplastic material is UV stabilised and weather resistance. All strut and accessories feature hot-dip galvanised finish for superior corrosion resistance.
- **Supports green building requirements:** All thermoplastic bases are made from recycled material and will earn LEED credit.

Contact project or roofing engineer for maximum allowable load on individual project roof system.

For more information, visit www.erico.com



13.7 CADDY® ROD LOCK



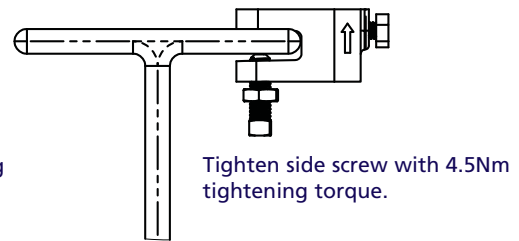
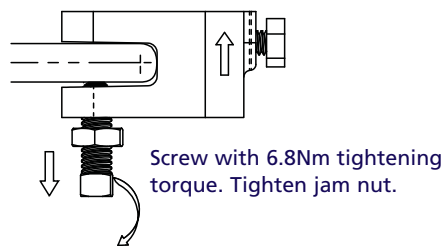
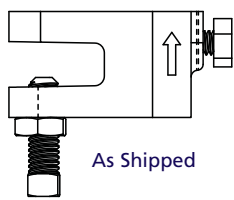
CADDY® ROD LOCK System

CADDY® ROD LOCK is an innovative threaded rod mounting system that provides a quick and economical solution for installing electrical and mechanical systems supported by threaded rod. The CADDY ROD LOCK product family features the CADDY ROD LOCK Beam Clamp and CADDY ROD LOCK Channel Nut.

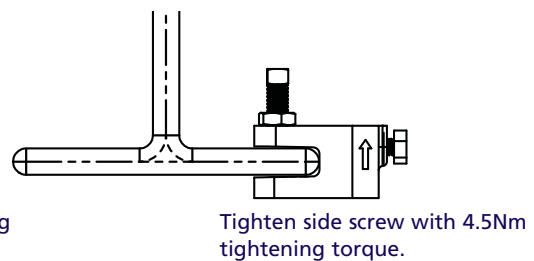
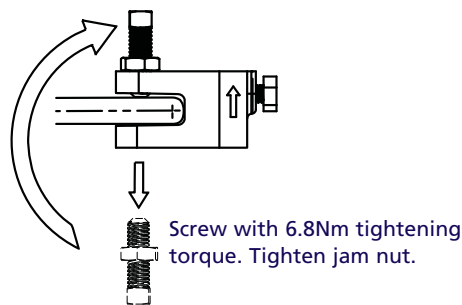
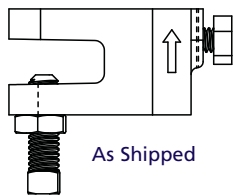
With its breakthrough 'push-install' design, CADDY ROD LOCK

makes it easier and faster to install threaded rod. Just simply push the threaded rod through the mounting hole, and it's instantly locked into position. It even works with slightly damaged threads and minor burrs on threaded rod, minimizing the amount of deburring required prior to installation. NOTE: CADDY ROD LOCK is not to be used with Hot-Dip Galvanised hardware/components.

Bottom Mount



Top Mount



Article #	Description	Rod Size	Flange Thickness (mm)	Max. Recommended Load (N)
390001	CRLBM8EG	M8	3-9	1100
390001	CRLBM8EG	M8	9.5-11.5	1400
390002	CRLBM10EG	M10	3-9	1100
390002	CRLBM10EG	M10	9.5-11.5	2200

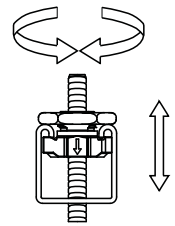
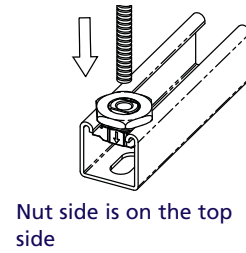
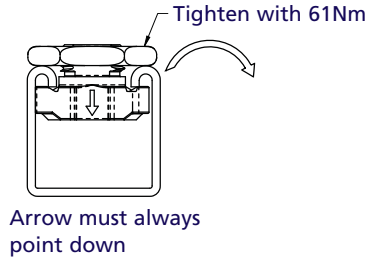
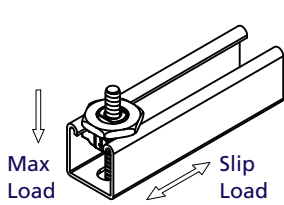
- The 390002 CRLBM10EG CADDY ROD LOCK Beam Clamps are FM® Approved when installed in the bottom mount orientation.
- The 390002 CRLBM10EG CADDY ROD LOCK Beam Clamps are UL® Listed for fire sprinkler applications when a lock nut is installed on the threaded rod on the bottom side of the beam clamp.
- Not for use with Hot-Dip Galvanised hardware/components.



13.7 CADDY® ROD LOCK



CADDY® ROD LOCK Channel Nut

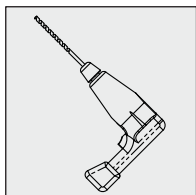


Article #	Description	Rod Size	Max Recommended Load	Slip Load
390003	CRLSM8EG	M8	2750N	1750N
390004	CRLSM10EG	M10	3750N	1750N

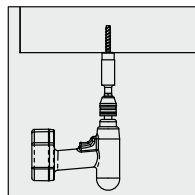
ASTM A307 Grades A-C, ISO 898 Grades 4-6



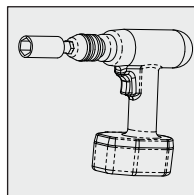
CADDY® ROD LOCK Anchor Screw



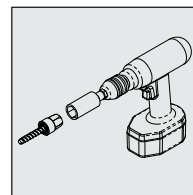
Use a 8 mm drill bit



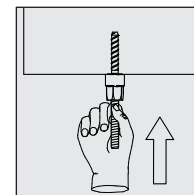
Suggested speed:
1000-1300 rpm
Drill hole depth:
50mm



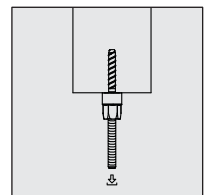
Use a 22 mm socket



CADDY® ROD LOCK
anchor screw



Push in threaded rod,
fully tighten threaded
rod



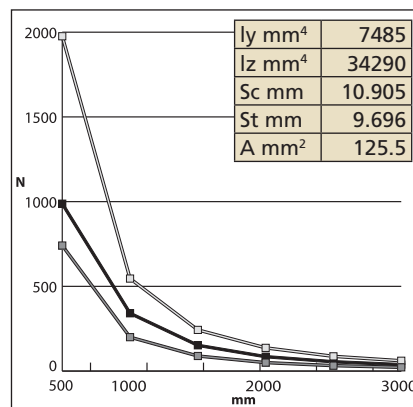
Max Recommended
Load

Article #	Description	Rod Size	Drill Bit Size	Drill Hole Depth	Socket Size	Max. Recommended Load
390009	CRLA37EG	M8	8	50	22	8800N
390010	CRLAM10EG	M10	8	50	22	8800N

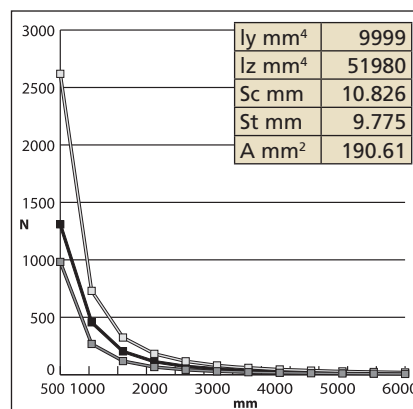
Note: Not to be used with hot dip galvanised hardware/components.

13.8 Load Values for CADDY® ERISTRUT Channels

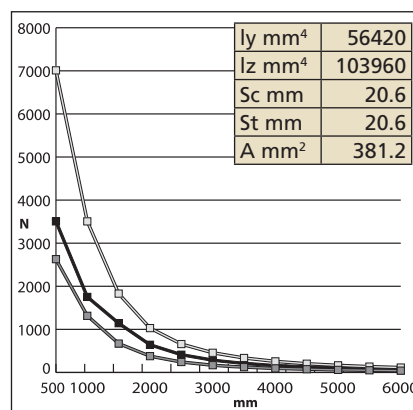
LDC	loading case A			loading case B			loading case C		
	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]
500	988	1365	988	1976	2184	1976	741	801	741
1000	494	341	341	988	546	546	371	200	200
1500	329	152	152	659	243	243	247	89	89
2000	247	85	85	494	137	137	185	50	50
2500	198	55	55	395	87	87	148	32	32
3000	165	38	38	329	61	61	124	22	22
3500	141	28	28	282	45	45	106	16	16
4000	124	21	21	247	34	34	93	13	13
4500	110	17	17	220	27	27	82	10	10
5000	99	14	14	198	22	22	74	8	8
5500	90	11	11	180	18	18	67	7	7
6000	82	9	9	165	15	15	62	6	6



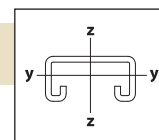
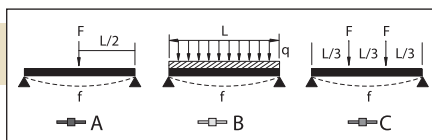
DC	loading case A			loading case B			loading case C		
	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]
500	1309	1824	1309	2619	2918	2619	982	1070	982
1000	655	456	456	1309	730	730	491	268	268
1500	436	203	203	873	324	324	327	119	119
2000	327	114	114	655	182	182	245	67	67
2500	262	73	73	524	117	117	196	43	43
3000	218	51	51	436	81	81	164	30	30
3500	187	37	37	374	60	60	140	22	22
4000	164	28	28	327	46	46	123	17	17
4500	145	23	23	291	36	36	109	13	13
5000	131	18	18	262	29	29	98	11	11
5500	119	15	15	238	24	24	89	9	9
6000	109	13	13	218	20	20	82	7	7



DDC	loading case A			loading case B			loading case C		
	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]
500	3506	10291	3506	7011	16466	7011	2629	6040	2629
1000	1753	2573	1753	3506	4116	3506	1315	1510	1315
1500	1169	1143	1143	2337	1830	1830	876	671	671
2000	876	643	643	1753	1029	1029	657	378	378
2500	701	412	412	1402	659	659	526	242	242
3000	584	286	286	1169	457	457	438	168	168
3500	501	210	210	1002	336	336	376	123	123
4000	438	161	161	876	257	257	329	94	94
4500	390	127	127	779	203	203	292	75	75
5000	351	103	103	701	165	165	263	60	60
5500	319	85	85	637	136	136	239	50	50
6000	292	71	71	584	114	114	219	42	42



All load ratings in NEWTON [N]

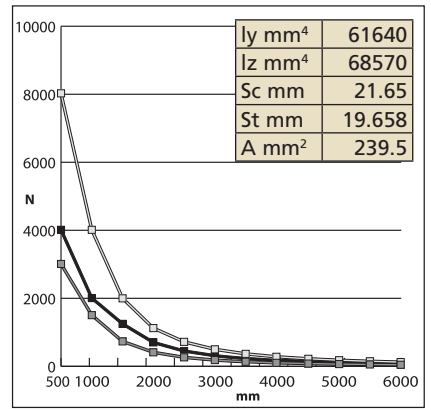


$\sigma_{max} = 160 \text{ N/mm}$
 $f_{max} = l/200$

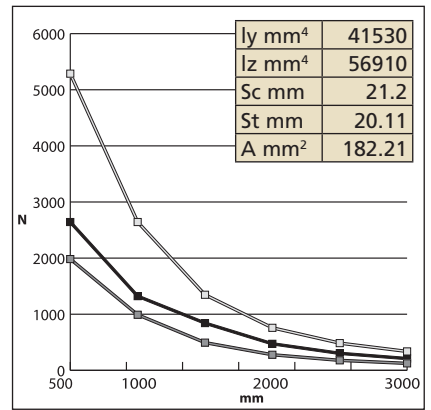


13.8 Load Values for CADDY® ERISTRUT Channels

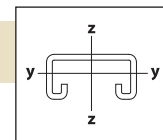
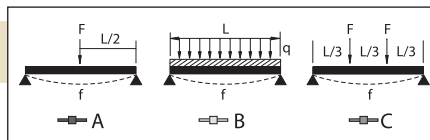
AS	loading case A			loading case B			loading case C		
	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]
500	4014	11243	4014	8027	17989	8027	3010	6599	3010
1000	2007	2811	2007	4014	4497	4014	1505	1650	1505
1500	1338	1249	1249	2676	1999	1999	1003	733	733
2000	1003	703	703	2007	1124	1124	753	412	412
2500	803	450	450	1605	720	720	602	264	264
3000	669	312	312	1338	500	500	502	183	183
3500	573	229	229	1147	367	367	430	135	135
4000	502	176	176	1003	281	281	376	103	103
4500	446	139	139	892	222	222	334	81	81
5000	401	112	112	803	180	180	301	66	66
5500	365	93	93	730	149	149	274	55	55
6000	334	78	78	669	125	125	251	46	46



LAC	loading case A			loading case B			loading case C		
	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]
500	2643	7575	2643	5287	12120	5287	1983	4446	1983
1000	1322	1894	1322	2643	3030	2643	991	1112	991
1500	881	842	842	1762	1347	1347	661	494	494
2000	661	473	473	1322	758	758	496	278	278
2500	529	303	303	1057	485	485	397	178	178
3000	441	210	210	881	337	337	330	124	124
3500	378	155	155	755	247	247	283	91	91
4000	330	118	118	661	189	189	248	69	69
4500	294	94	94	587	150	150	220	55	55
5000	264	76	76	529	121	121	198	44	44
5500	240	63	63	481	100	100	180	37	37
6000	220	53	53	441	84	84	165	31	31



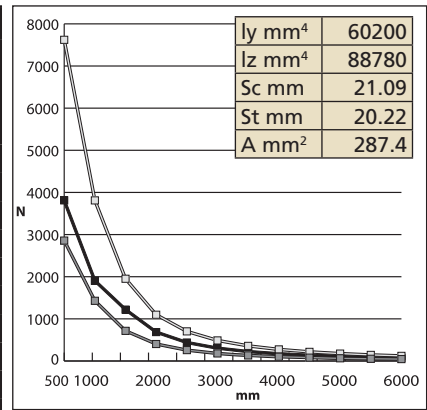
All load ratings in NEWTON [N]



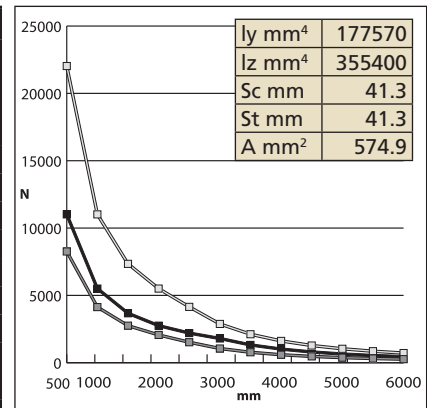
$\sigma_{max} = 160 \text{ N/mm}$
 $f_{max} = l/200$

13.8 Load Values for CADDY® ERISTRUT Channels

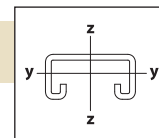
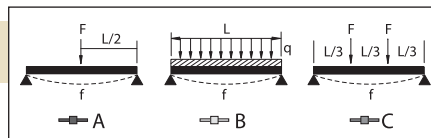
AC	loading case A			loading case B			loading case C		
	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]
500	3811	10980	3811	7622	17569	7622	2858	6445	2858
1000	1905	2745	1905	3811	4392	3811	1429	1611	1429
1500	1270	1220	1220	2541	1952	1952	953	716	716
2000	953	686	686	1905	1098	1098	715	403	403
2500	762	439	439	1524	703	703	572	258	258
3000	635	305	305	1270	488	488	476	179	179
3500	544	224	224	1089	359	359	408	132	132
4000	476	172	172	953	275	275	357	101	101
4500	423	136	136	847	217	217	318	80	80
5000	381	110	110	762	176	176	286	64	64
5500	346	91	91	693	145	145	260	53	53
6000	318	76	76	635	122	122	238	45	45



AAC	loading case A			loading case B			loading case C		
	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]
500	11015	64825	11015	22030	103720	22030	8261	38049	8261
1000	5507	16206	5507	11015	25930	11015	4131	9512	4131
1500	3672	7203	3672	7343	11524	7343	2754	4228	2754
2000	2754	4052	2754	5507	6482	5507	2065	2378	2065
2500	2203	2593	2203	4406	4149	4149	1652	1522	1522
3000	1836	1801	1801	3672	2881	2881	1377	1057	1057
3500	1574	1323	1323	3147	2117	2117	1180	777	777
4000	1377	1013	1013	2754	1621	1621	1033	595	595
4500	1224	800	800	2448	1280	1280	918	470	470
5000	1101	648	648	2203	1037	1037	826	380	380
5500	1001	536	536	2003	857	857	751	314	314
6000	918	450	450	1836	720	720	688	264	264



All load ratings in NEWTON [N]

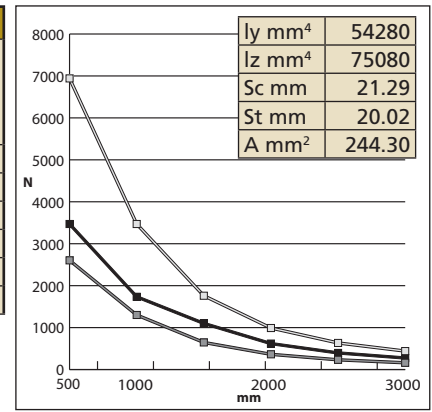


$\sigma_{max} = 160 \text{ N/mm}$
 $f_{max} = l/200$

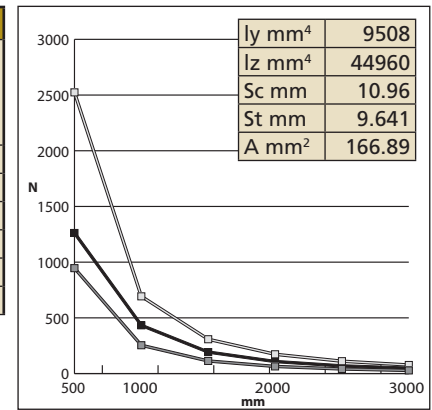


13.8 Load Values for CADDY® ERISTRUT Channels

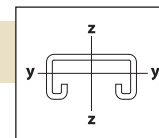
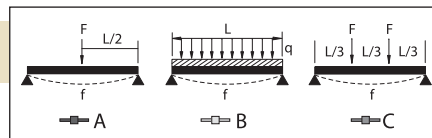
MAC	loading case A			loading case B			loading case C		
	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]
500	3470	9901	3470	6941	15841	6941	2603	5811	2603
1000	1735	2475	1735	3470	3960	3470	1301	1453	1301
1500	1157	1100	1100	2314	1760	1760	868	646	646
2000	868	619	619	1735	990	990	651	363	363
2500	684	396	396	1388	634	634	521	232	232
3000	578	275	275	1157	440	440	434	161	161



MDC	loading case A			loading case B			loading case C		
	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]
500	1262	1734	1262	2524	2774	2524	946	1018	946
1000	631	433	433	1262	693	693	473	254	254
1500	421	193	193	841	308	308	315	113	113
2000	315	108	108	631	173	173	237	64	64
2500	252	69	69	505	111	111	189	41	41
3000	210	48	48	421	77	77	158	28	28



All load ratings in NEWTON [N]

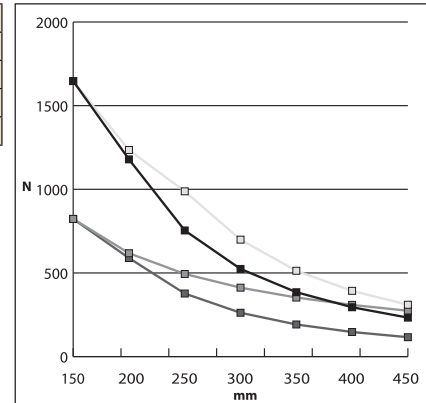


$\sigma_{\max} = 160 \text{ N/mm}$
 $f_{\max} = l/200$

13.8 Load Values for CADDY® ERISTRUT Cantilever Arms

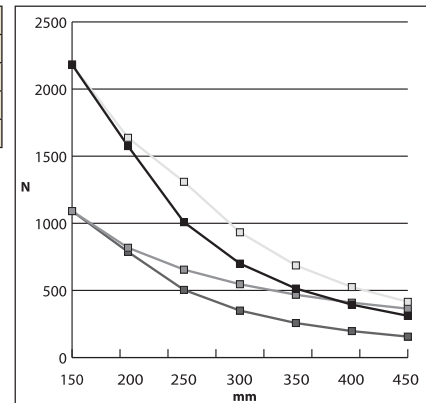
CLDC	loading case A			loading case B			loading case C			loading case D		
L [mm]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]
150	1647	2096	1647	1647	2794	1647	823	3555	823	823	1048	823
200	1235	1179	1179	1235	1572	1235	618	2000	618	618	589	589
250	988	754	754	988	1006	988	494	1280	494	494	377	377
300	823	524	524	823	699	699	412	889	412	412	262	262
350	706	385	385	706	513	513	353	653	353	353	192	192
400	618	295	295	618	393	393	309	500	309	309	147	147
450	549	233	233	549	310	310	274	395	274	274	116	116

ly mm ⁴	7485
lz mm ⁴	34290
Sc mm	10.905
St mm	9.696
A mm ²	125.5

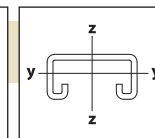
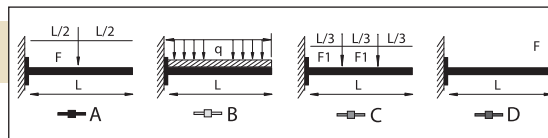


CDC	loading case A			loading case B			loading case C			loading case D		
L [mm]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]
150	2182	2800	2182	2182	3733	2182	1091	4750	1091	1091	1400	1091
200	1637	1575	1575	1637	2100	1637	818	2672	818	818	787	787
250	1309	1008	1008	1309	1344	1309	655	1710	655	655	504	504
300	1091	700	700	1091	933	933	546	1187	546	546	350	350
350	935	514	514	935	686	686	468	872	468	468	257	257
400	818	394	394	818	525	525	409	668	409	409	197	197
450	727	311	311	727	415	415	364	528	364	364	156	156

ly mm ⁴	9999
lz mm ⁴	51980
Sc mm	10.826
St mm	9.775
A mm ²	190.61



All load ratings in NEWTON [N]



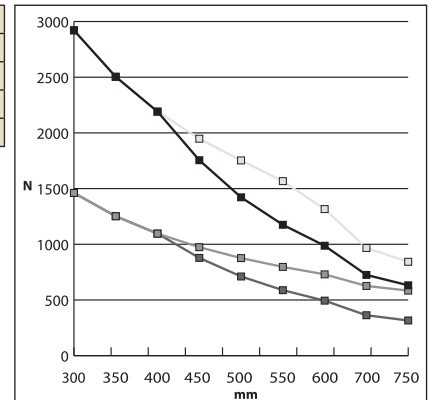
$\sigma_{max} = 160 \text{ N/mm}$
 $f_{max} = l/200$



13.8 Load Values for CADDY® ERISTRUT Cantilever Arms

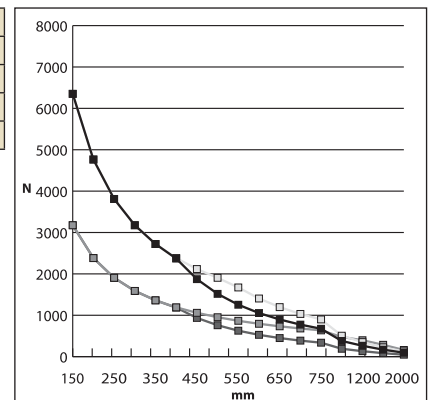
CDDC	loading case A			loading case B			loading case C			loading case D			
	L [mm]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]
	300	2921	3949	2921	2921	5266	2921	1461	6700	1461	1461	1975	1461
	350	2504	2902	2504	2504	3869	2504	1252	4922	1252	1252	1451	1252
	400	2191	2222	2191	2191	2962	2191	1096	3769	1096	1096	1111	1096
	450	1948	1755	1755	1948	2340	1948	974	2978	974	974	878	878
	500	1753	1422	1422	1753	1896	1753	876	2412	876	876	711	711
	550	1594	1175	1175	1594	1567	1567	797	1993	797	797	588	588
	600	1461	987	987	1461	1316	1316	730	1675	730	730	494	494
	700	1252	725	725	1252	967	967	626	1231	626	626	363	363
	750	1169	632	632	1169	843	843	584	1072	584	584	316	316

ly mm ⁴	56420
lz mm ⁴	103960
Sc mm	20.6
St mm	20.6
A mm ²	381.2



CAC	loading case A			loading case B			loading case C			loading case D			
	L [mm]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]
	150	6351	16856	6351	6351	22475	6351	3176	28595	3176	3176	8428	3176
	200	4764	9482	4764	4764	12642	4764	2382	16085	2382	2382	4741	2382
	250	3811	6068	3811	3811	8091	3811	1905	10294	1905	1905	3034	1905
	300	3176	4214	3176	3176	5619	3176	1588	7149	1588	1588	2107	1588
	350	2722	3096	2722	2722	4128	2722	1361	5252	1361	1361	1548	1361
	400	2382	2370	2370	2382	3161	2382	1191	4021	1191	1191	1185	1185
	450	2117	1873	1873	2117	2497	2117	1059	3177	1059	1059	936	936
	500	1905	1517	1517	1905	2023	1905	953	2574	953	953	759	759
	550	1732	1254	1254	1732	1672	1672	866	2127	866	866	627	627
	600	1588	1054	1054	1588	1405	1405	794	1787	794	794	527	527
	650	1466	898	898	1466	1197	1197	733	1523	733	733	449	449
	700	1361	774	774	1361	1032	1032	681	1313	681	681	387	387
	750	1270	674	674	1270	899	899	635	1144	635	635	337	337
	1000	953	379	379	953	506	506	476	643	476	476	190	190
	1200	794	263	263	794	351	351	397	447	397	397	132	132
	1500	635	169	169	635	225	225	318	286	286	318	84	84
	2000	476	95	95	476	126	126	238	161	161	238	47	47

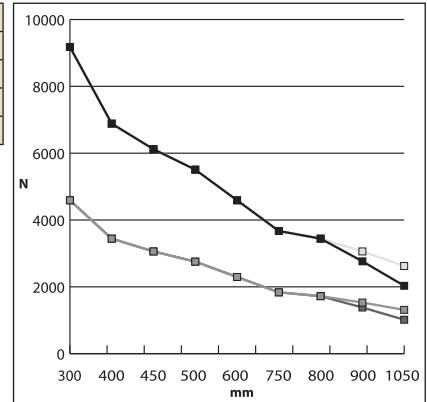
ly mm ⁴	60200
lz mm ⁴	88780
Sc mm	21.09
St mm	20.22
A mm ²	287.4



13.8 Load Values for CADDY® ERISTRUT Cantilever Arms

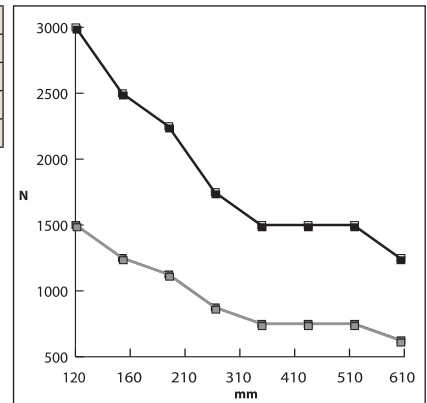
CAAC	loading case A			loading case B			loading case C			loading case D		
	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]
300	9179	24878	9179	9179	33171	9179	4590	42204	4590	4590	12439	4590
400	6884	13994	6884	6884	18659	6884	3442	23740	3442	3442	6997	3442
450	6119	11057	6119	6119	14743	6119	3060	18757	3060	3060	5528	3060
500	5507	8956	5507	5507	11941	5507	2754	15193	2754	2754	4478	2754
600	4590	6220	4590	4590	8293	4590	2295	10551	2295	2295	3110	2295
750	3672	3980	3672	3672	5307	3672	1836	6753	1836	1836	1990	1836
800	3442	3498	3442	3442	4665	3442	1721	5935	1721	1721	1749	1721
900	3060	2764	2764	3060	3686	3060	1530	4689	1530	1530	1382	1382
1050	2623	2031	2031	2623	2708	2623	1311	3445	1311	1311	1015	1015

ly mm ⁴	177570
lz mm ⁴	355400
Sc mm	41.3
St mm	41.3
A mm ²	574.9

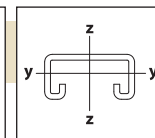
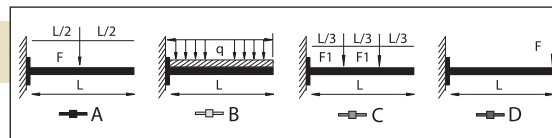


CTRI	loading case A			loading case B			loading case C			loading case D		
	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]
120	9179	24878	3000	9179	33171	3000	4590	42204	1500	4590	12439	1500
160	6884	13994	2500	6884	18659	2500	3442	23740	1250	3442	6997	1250
210	6119	11057	2250	6119	14743	2250	3060	18757	1125	3060	5528	1125
260	5507	8956	1750	5507	11941	1750	2754	15193	875	2754	4478	875
310	4590	6220	1500	4590	8293	1500	2295	10551	750	2295	3110	750
410	3672	3980	1500	3672	5307	1500	1836	6753	750	1836	1990	750
510	3442	3498	1500	3442	4665	1500	1721	5935	750	1721	1749	750
610	3060	2764	1250	3060	3686	1250	1530	4689	625	1530	1382	625

ly mm ⁴	
lz mm ⁴	
Sc mm	
St mm	
A mm ²	



All load ratings in NEWTON [N]

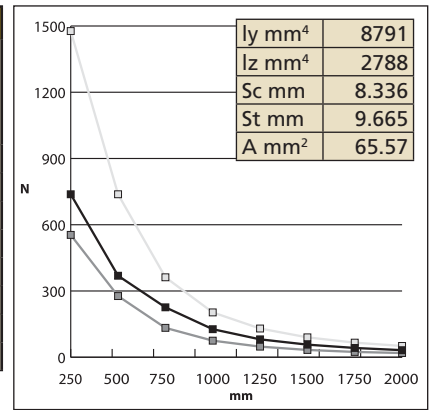


$\sigma_{max} = 160 \text{ N/mm}$
 $f_{max} = l/200$

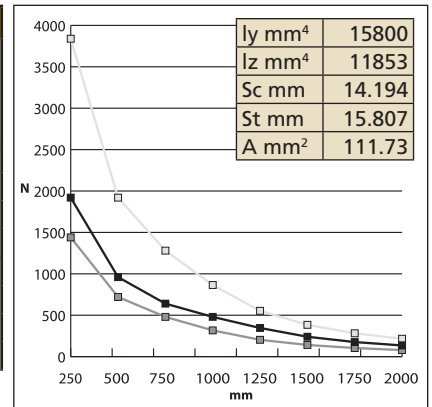


13.8 Load Values for C-channels

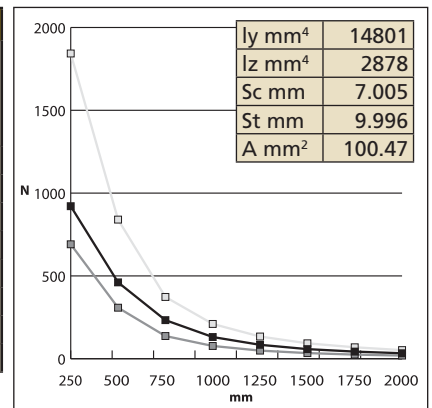
E0L	loading case A			loading case B			loading case C		
L [mm]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]
250	738	2034	738	1477	3255	1477	554	1194	554
500	369	509	369	738	814	738	277	298	277
750	246	226	226	492	362	362	185	133	133
1000	185	127	127	369	203	203	138	75	75
1250	148	81	81	295	130	130	111	48	48
1500	123	57	57	246	90	90	92	33	33
1750	105	42	42	211	66	66	79	24	24
2000	92	32	32	185	51	51	69	19	19



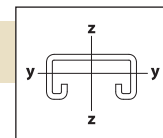
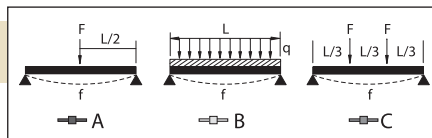
E0	loading case A			loading case B			loading case C		
L [mm]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]
250	1920	8648	1920	3839	13837	3839	1440	5076	1440
500	960	2162	960	1920	3459	1920	720	1269	720
750	640	961	640	1280	1537	1280	480	564	480
1000	480	540	480	960	865	865	360	317	317
1250	384	346	346	768	553	553	288	203	203
1500	320	240	240	640	384	384	240	141	141
1750	274	176	176	548	282	282	206	104	104
2000	240	135	135	480	216	216	180	79	79



E1	loading case A			loading case B			loading case C		
L [mm]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]
250	921	2100	921	1843	3360	1843	691	1232	691
500	461	525	461	921	840	840	346	308	308
750	307	233	233	614	373	373	230	137	137
1000	230	131	131	461	210	210	173	77	77
1250	184	84	84	369	134	134	138	49	49
1500	154	58	58	307	93	93	115	34	34
1750	132	43	43	263	69	69	99	25	25
2000	115	33	33	230	52	52	86	19	19



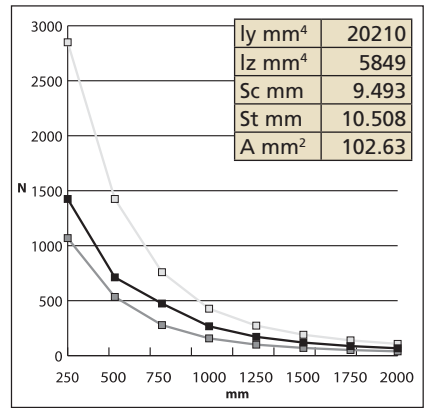
All load ratings in NEWTON [N]



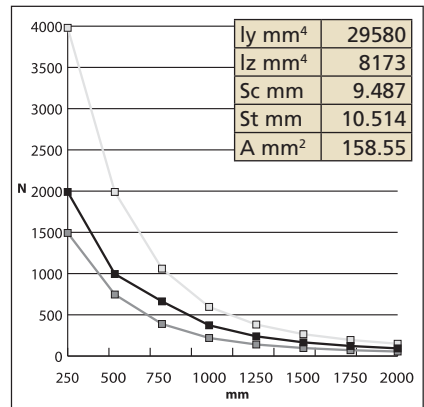
$\sigma_{max} = 160 \text{ N/mm}$
 $f_{max} = l/200$

13.8 Load Values for C-channels

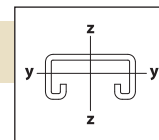
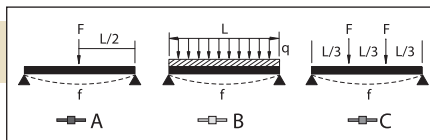
E2L	loading case A			loading case B			loading case C		
	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]
250	1425	4267	1425	2850	6828	2850	1069	2505	1069
500	712	1067	712	1425	1707	1425	534	626	534
750	475	474	474	950	759	759	356	278	278
1000	356	267	267	712	427	427	267	157	157
1250	285	171	171	570	273	273	214	100	100
1500	237	119	119	475	190	190	178	70	70
1750	204	87	87	407	139	139	153	51	51
2000	178	67	67	356	107	107	134	39	39



E2	loading case A			loading case B			loading case C		
	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]
250	1990	5963	1990	3980	9541	3980	1493	3500	1493
500	995	1491	995	1990	2385	1990	746	875	746
750	663	663	663	1327	1060	1060	498	389	389
1000	498	373	373	995	596	596	373	219	219
1250	398	239	239	796	382	382	299	140	140
1500	332	166	166	663	265	265	249	97	97
1750	284	122	122	569	195	195	213	71	71
2000	249	93	93	498	149	149	187	55	55



All load ratings in NEWTON [N]

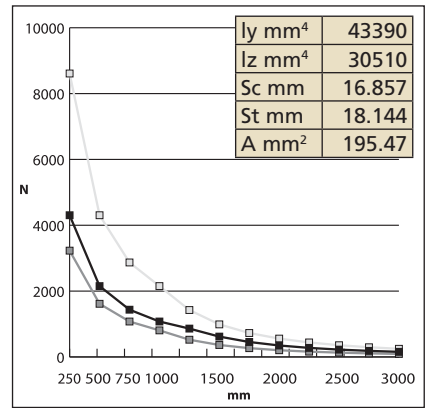


$\sigma_{max} = 160 \text{ N/mm}$
 $f_{max} = l/200$

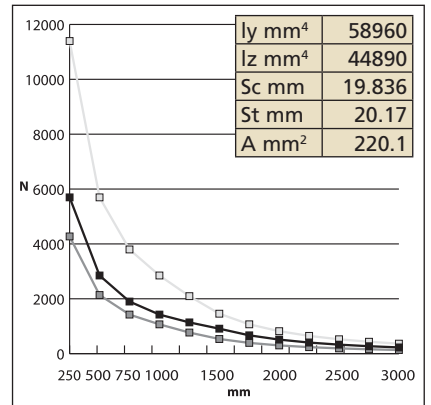


13.8 Load Values for C-channels

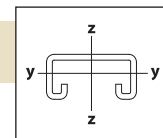
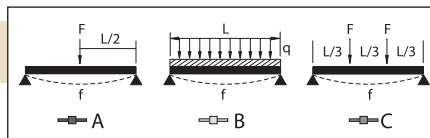
E3	loading case A			loading case B			loading case C		
	L [mm]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]	F from allowable tension [N]	F from allowable deflection [N]
250	4305	22260	4305	8610	35616	8610	3229	13066	3229
500	2152	5565	2152	4305	8904	4305	1614	3266	1614
750	1435	2473	1435	2870	3957	2870	1076	1452	1076
1000	1076	1391	1076	2152	2226	2152	807	817	807
1250	861	890	861	1722	1425	1425	646	523	523
1500	717	618	618	1435	989	989	538	363	363
1750	615	454	454	1230	727	727	461	267	267
2000	538	348	348	1076	557	557	404	204	204
2250	478	275	275	957	440	440	359	161	161
2500	430	223	223	861	356	356	323	131	131
2750	391	184	184	783	294	294	294	108	108
3000	359	155	155	717	247	247	269	91	91



E4	loading case A			loading case B			loading case C		
	L [mm]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]	F from allowable tension [N]	F from allowable deflection [N]
250	5697	32752	5697	11395	52403	11395	4273	19224	4273
500	2849	8188	2849	5697	13101	5697	2137	4806	2137
750	1899	3639	1899	3798	5823	3798	1424	2136	1424
1000	1424	2047	1424	2849	3275	2849	1068	1201	1068
1250	1139	1310	1139	2279	2096	2096	855	769	769
1500	950	910	910	1899	1456	1456	712	534	534
1750	814	668	668	1628	1069	1069	610	392	392
2000	712	512	512	1424	819	819	534	300	300
2250	633	404	404	1266	647	647	475	237	237
2500	570	328	328	1139	524	524	427	192	192
2750	518	271	271	1036	433	433	388	159	159
3000	475	227	227	950	364	364	356	133	133



All load ratings in NEWTON [N]

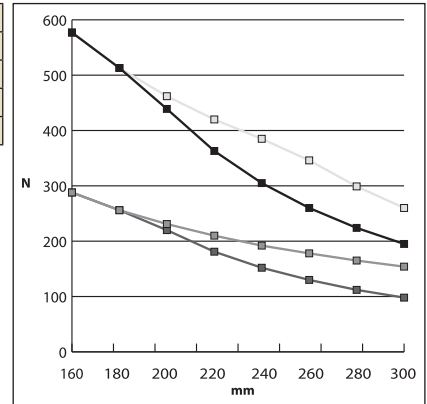


$\sigma_{max} = 160$ N/mm
 $f_{max} = l/200$

13.8 Load Values for C-cantilever Arms

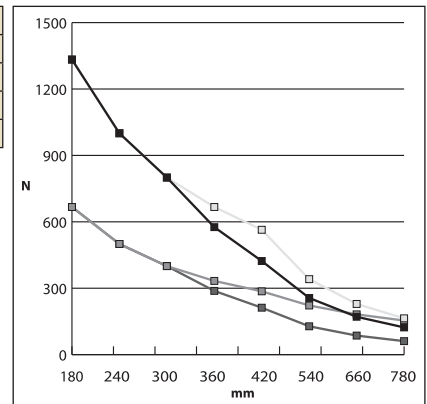
C-EOL	loading case A			loading case B			loading case C			loading case D		
	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]
160	577	686	577	577	915	577	288	1164	288	288	343	288
180	513	542	513	513	723	513	256	920	256	256	271	256
200	462	439	439	462	585	462	231	745	231	231	220	220
220	420	363	363	420	484	420	210	616	210	210	181	181
240	385	305	305	385	407	385	192	517	192	192	152	152
260	355	260	260	355	346	346	178	441	178	178	130	130
280	330	224	224	330	299	299	165	380	165	165	112	112
300	308	195	195	308	260	260	154	331	154	154	98	98

ly mm ⁴	8791
lz mm ⁴	2788
Sc mm	8.336
St mm	9.665
A mm ²	65.57

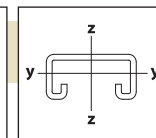
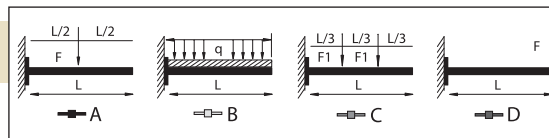


C-EO	loading case A			loading case B			loading case C			loading case D		
	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]
180	1333	2305	1333	1333	3073	1333	667	3910	667	667	1152	667
240	1000	1296	1000	1000	1729	1000	500	2199	500	500	648	500
300	800	830	800	800	1106	800	400	1408	400	400	415	400
360	667	576	576	667	768	667	333	977	333	333	288	288
420	571	423	423	571	564	564	286	718	286	286	212	212
540	444	256	256	444	341	341	222	434	222	222	128	128
660	364	171	171	364	229	229	182	291	182	182	86	86
780	308	123	123	308	164	164	154	208	154	154	61	61

ly mm ⁴	15800
lz mm ⁴	11853
Sc mm	14.194
St mm	15.807
A mm ²	111.73



All load ratings in NEWTON [N]



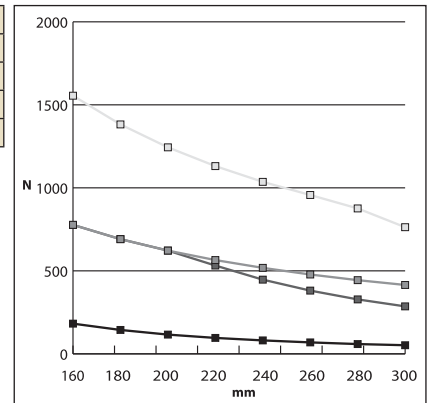
$\sigma_{max} = 160 \text{ N/mm}$
 $f_{max} = l/200$



13.8 Load Values for C-cantilever Arms

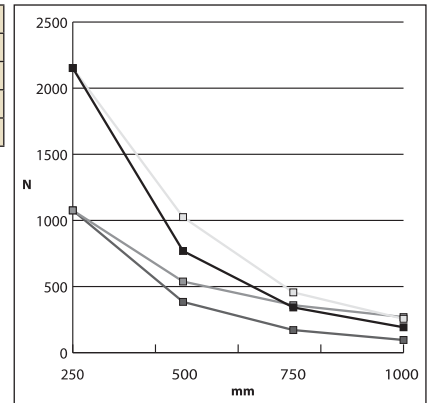
C-E2	loading case A			loading case B			loading case C			loading case D		
L [mm]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]
160	4068	182	182	1555	2682	1555	777	3412	777	777	1006	777
180	3616	144	144	1382	2119	1382	691	2696	691	691	795	691
200	3255	116	116	1244	1716	1244	622	2184	622	622	644	622
220	2959	96	96	1131	1418	1131	565	1805	565	565	532	532
240	2712	81	81	1036	1192	1036	518	1516	518	518	447	447
260	2504	69	69	957	1016	957	478	1292	478	478	381	381
280	2325	59	59	888	876	876	444	1114	444	444	328	328
300	2170	52	52	829	763	763	415	971	415	415	286	286

ly mm ⁴	29580
lz mm ⁴	8173
Sc mm	9.487
St mm	10.514
A mm ²	158.55

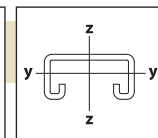
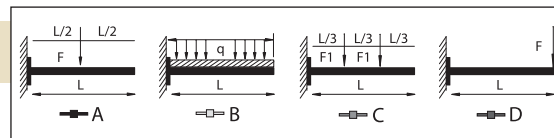


C-E3	loading case A			loading case B			loading case C			loading case D		
L [mm]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]
250	2152	3075	2152	2152	4101	2152	1076	5217	1076	1076	1538	1076
500	1076	769	769	1076	1025	1025	538	1304	538	538	384	384
750	717	342	342	717	456	456	359	580	359	359	171	171
1000	538	192	192	538	256	256	269	326	269	269	96	96

ly mm ⁴	43390
lz mm ⁴	30510
Sc mm	16.857
St mm	18.144
A mm ²	195.47



All load ratings in NEWTON [N]

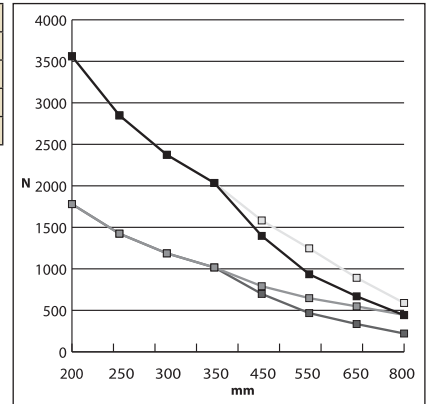


$\sigma_{max} = 160 \text{ N/mm}$
 $f_{max} = l/200$

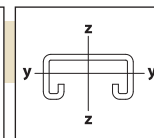
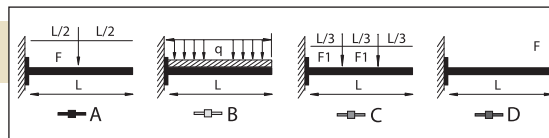
13.8 Load Values for C-cantilever Arms

C-E4	loading case A			loading case B			loading case C			loading case D		
	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]	F from allowable tension [N]	F from allowable deflection [N]	allowable load [N]
200	3561	7070	3561	3561	9427	3561	1780	11994	1780	1780	3535	1780
250	2849	4525	2849	2849	6033	2849	1424	7676	1424	1424	2262	1424
300	2374	3142	2374	2374	4190	2374	1187	5331	1187	1187	1571	1187
350	2035	2309	2035	2035	3078	2035	1017	3916	1017	1017	1154	1017
450	1583	1397	1397	1583	1862	1583	791	2369	791	791	698	698
550	1295	935	935	1295	1247	1247	647	1586	647	647	467	467
650	1096	669	669	1096	892	892	548	1136	548	548	335	335
800	890	442	442	890	589	589	445	750	445	445	221	221

ly mm ⁴	58960
lz mm ⁴	44890
Sc mm	19.836
St mm	20.17
A mm ²	220.1



All load ratings in NEWTON [N]



$\sigma_{\max} = 160 \text{ N/mm}$
 $f_{\max} = l/200$



337050	C32ES	60	337720	C60EC	159	339680	C94LW	58	387770	ZUA 402	150
337060	C36ES	60	337730	C64EC	159	339690	C100LW	58	387780	ZUA 403	150
337070	C40ES	60	337740	C70EC	159	350000	4H24DI	40	387790	ZUA 404	151
337080	C44ES	60	337750	C76EC	159	350100	42020-2	178	387800	ZUA 405	151
337090	C48ES	60	337760	C82EC	159	350110	42021-2	178	387810	ZUA 406	151
337100	C52ES	60	337770	C88EC	159	350120	42022-2	178	387820	ZUA 407	151
337110	C56ES	60	337780	C94EC	159	350130	42023-2	178	387830	ZUA 408	151
337120	C60ES	60	337790	C100EC	159	350140	42024-2	178	387850	ZWA 218	155
337130	C64ES	60	337800	C12GW	59	350150	42025-2	178	387870	ZWA 212	154
337140	C70ES	60	337810	C16GW	59	360400	RPS360400	31	387880	ZWA 213	154
337150	C76ES	60	337820	C20GW	59	360401	RPS360401	31	387890	ZWA 214	154
337160	C82ES	60	337830	C24GW	59	360402	RPS360402	31	387900	ZWA 215	154
337170	C88ES	60	337840	C28GW	59	360403	RPS360403	31	387910	ZWA 216	155
337180	C94ES	60	337850	C32GW	59	360404	RPS360404	31	387920	ZWA 219 45°	155
337190	C100ES	60	337860	C36GW	59	360405	RPS360405	31	387930	ZWA 217	155
337200	C14ERU	59	337870	C40GW	59	380050	KN30	179	387960	ZSA 302	148
337210	C20ERU	59	337890	C48GW	59	380060	KN40	179	387970	ZSA 303	148
337220	C26ERU	59	337900	C56GW	59	380070	KN50	179	387980	ZWA 220	156
337230	C32ERU	59	337940	C70GW	59	385505	AC20-1 2M	130	388005	ZTA 602 62-83	148
337240	C38ERU	59	337950	C76GW	59	385860	CHK22K	178	388120	ZGA 500	145
337250	C44ERU	59	337960	C82GW	59	385870	CHK25K	178	388270	ZGA 501	145
337260	C52ERU	59	337970	C88GW	59	385880	CHK27K	178	388350	SWIVEL 6000HB	108
337270	C60ERU	59	337980	C94GW	59	385890	CHK30K	178	388360	ZGA 502	145
337280	C70ERU	59	337990	C100GW	59	385900	CHK32K	178	388370	ZGA 503	146
337300	C12EU	58	338000	C64GW	59	385910	CHN15K	178	388380	ZGA 504	146
337305	C12-2EU	57	338001	C20HW	57	385920	CHN17K	178	388390	ZZA 700	156
337306	C12-3EU	57	338002	C32HW	57	386780	CHN13K	178	388400	ZZA 701	156
337310	C16EU	58	338003	C44HW	57	386805	TKN M6	53	388421	ZZA 705	157
337315	C16-2EU	57	338004	C56HW	57	386810	TKN M8	53	388422	ZZA 706	157
337316	C16-3EU	57	338100	C12EB	165	386820	TKN M10	53	388670	ZWA200-2	151
337320	C20EU	58	338110	C16EB	165	386830	TK M12	53	388701	ZEA 108	144
337325	C20-2EU	57	338120	C20EB	165	387190	ZTA 605-2	149	388710	ZEA100 P2	142
337326	C20-3EU	57	338130	C24EB	165	387365	DC20-1 2M	129	388761	ZWA205-2	153
337330	C24EU	58	338140	C28EB	165	387450	ZEA 110	145	388890	BTK M12	53
337340	C28EU	58	338150	C32EB	165	387500	ZEA 100	142	389001	CADDY® SUPERKLIP 12MM G	99
337350	C32EU	58	338160	C36EB	165	387510	ZEA 101	142	389002	CADDY SUPERKLIP 15MM G	99
337355	C32-2EU	57	338170	C40EB	165	387520	ZEA 102	143	389003	CADDY SUPERKLIP 17MM G	99
337356	C32-3EU	57	338180	C44EB	165	387522	ZEA 102	143	389004	CADDY SUPERKLIP 20MM G	99
337360	C36EU	58	338190	C48EB	165	387530	ZEA 103	143	389005	CADDY SUPERKLIP 22MM G	99
337366	C44-3EU	57	338200	C52EB	165	387532	ZEA 103	143	389006	CADDY SUPERKLIP 25MM G	99
337370	C40EU	58	338210	C56EB	165	387540	ZEA 104	143	389007	CADDY SUPERKLIP 28MM G	99
337380	C44EU	58	338220	C60EB	165	387542	ZEA 104	143	389008	CADDY SUPERKLIP 32MM G	99
337385	C44-2EU	57	338230	C64EB	165	387550	ZEA 105	143	389009	CADDY SUPERKLIP 36MM G	99
337390	C48EU	58	338240	C70EB	165	387560	ZEA 106	144	389011	CADDY SUPERKLIP 40MM G	99
337400	C52EU	58	338300	C14/2 ERU	60	387570	ZEA 107	144	389012	CADDY SUPERKLIP 47MM G	99
337410	C56EU	58	338310	C20/2 ERU	60	387572	ZEA 107	144	389013	CADDY SUPERKLIP 51MM G	99
337415	C52-2EU	57	338320	C26/2 ERU	60	387580	ZEA 108	144	389014	CADDY SUPERKLIP 59MM G	99
337416	C52-3EU	57	338330	C32/2 ERU	60	387590	ZEA 109	144	389017	CADDY SUPERKLIP 8MM G	99
337420	C60EU	58	339100	D2	62	387600	ZWA 200	151	389018	CADDY SUPERKLIP 10MM G	99
337430	C64EU	58	339110	D3	62	387610	ZWA 201	152	389500	TKN8	53
337440	C70EU	58	339500	C12LW	58	387620	ZWA 202	152	389510	TKN10	53
337450	C76EU	58	339510	C16LW	58	387625	ZWA202-2	152	389520	TK12	53
337460	C82EU	58	339520	C20LW	58	387630	ZWA 203	152	389890	BTK M10	53
337470	C88EU	58	339530	C24LW	58	387640	ZWA 204	152	390001	CRLBM8EG	52
337480	C94EU	58	339540	C28LW	58	387650	ZWA 205	153	390002	CRLBM10EG	52
337490	C100EU	58	339550	C32LW	58	387660	ZWA 206	153	390003	CRLSM8EG	180
337600	C12EC	159	339560	C36LW	58	387670	ZWA 207	153	390004	CRLSM10EG	180
337610	C16EC	159	339570	C40LW	58	387675	ZWA 207L	153	390005	SNM6	180
337620	C20EC	159	339580	C44LW	58	387690	ZWA 209	153	390006	SNM8	180
337630	C24EC	159	339590	C48LW	58	387700	ZTA 601 21-41	148	390007	SNM10	180
337640	C28EC	159	339600	C52LW	58	387710	ZTA 601-2	148	390008	SNM12	180
337650	C32EC	159	339610	C56LW	58	387720	ZZA 702	156	390009	CRLAM8EG	184
337660	C36EC	159	339620	C60LW	58	387730	ZSA 300	147	390010	CRLAM10EG	184
337670	C40EC	159	339630	C64LW	58	387731	ZSA 300	147	400477	VDF M8X50 42260	184
337680	C44EC	159	339640	C70LW	58	387740	ZSA 301	148	400478	VDF M8X50 42260	184
337690	C48EC	159	339650	C76LW	58	387742	ZSA 301	148	400914	PR	165
337700	C52EC	159	339660	C82LW	58	387750	ZUA 400	150	400915	PR	165
337710	C56EC	159	339670	C88LW	58	387760	ZUA 401	150	400916	MP E4	171

400917	MT E4	171	571480	MFV550	189	584640	C-FIX14 M10X80	172	590074	KP E0L/E0/E1 M8X20	173
515331	UT 506-3	136	571490	MFV565	189	584650	C-FIX14 M10X100	172	590075	KP E0L/E0/E1 M8X25	173
515332	UT506-2	136	571500	MFV640	189	584660	EB25 90°	166	590076	KP E0L/E0/E1 M8X30	173
515333	UT608-2	136	571510	MFV650	189	584662	EB25 135°	166	590077	KP E0L/E0/E1 M8X40	173
515334	UT810-2	136	571520	MFT1	190	584666	EBL25 90°	166	590078	KP E0L/E0/E1 M8X50	173
515335	UT812-2	136	571530	MFT2	190	584668	EBL25 135°	166	590079	KP E0L/E0/E1 M8X60	173
570130	2150	102	571550	RING PLUS FRF 16	186	584670	SH-SG E0	170	590080	TMN 41 8x40	139
570140	2200	102	571560	RING PLUS FRF 20	186	584671	SH-SG E4	170	590082	KP E0L/E0/E1 M8X80	173
570150	2250	102	571570	RING PLUS FRF 25	186	584672	SH-LG E0	170	590083	KP E0L/E0/E1 M8X100	173
570160	2300	102	576940	4G16M16	86	584673	SH-LG E4	170	590087	KP E0L/E0/E1 M10X30	173
570170	2350	102	576950	4G16H P6	85	584710	APX-E2L/E2/E3	169	590088	KP E0L/E0/E1 M10X35	173
570180	2400	102	583580	RTU M8C	182	584715	APX-E0L/E0/E1 M81	169	590089	KP E0L/E0/E1 M10X50	173
570240	2025	102	583590	RTU M10C	182	584725	APX E4	169	590090	TMN 41 10x40	139
570300	2001	102	583600	RTU M8L15	182	584740	APY-E2L/E2/E3	169	590093	TMN41 8X40	139
570310	2002	102	583610	RTU M10L18	182	584751	APY E4	169	590094	TMN41 10X40	139
570320	2003	102	583620	RTU M12L20	182	584758	APY-E0L/E0/E1 M8	169	590095	TMN41 12X40	139
570330	2004	102	583630	RTU M10L30	182	584820	APX 21/41-2	169	590100	TMN 41 12x40	139
570340	2005	102	583640	RTU M10L60	182	584840	APY 21/41-2	169	590200	KP E4 M8X35	173
570350	2006	102	583710	RMF6-8	181	585000	KP E2L/E2/E3 M8X40	173	590201	KP E4 M8X25	173
570410	3300	103	583720	RMF8-6	181	585010	KP E2L/E2/E3 M8X60	173	590202	KP E4 M8X50	173
570420	3400	103	583730	RMF8-10	181	585020	KP E2L/E2/E3 M10X30	173	590203	KP E4 M8X80	173
570430	3500	103	583740	RMF8-12	181	585030	KP E2L/E2/E3 M10X40	173	590204	KP E4 M8X100	173
570440	3600	103	583750	RMF10-8	181	585040	KP E2L/E2/E3 M10X60	173	590207	KP E4 M10X35	173
570500	3025	103	583760	RMF10-12	181	585050	KP E2L/E2/E3 M8X30	173	590208	KP E4 M10X80	173
570560	3001	103	583770	RMF12-8	181	585060	KP E2L/E2/E3 M8X50	173	590210	KP E4 M8X40	173
570570	3002	103	583780	RMF12-10	181	585110	BF E4 M8	171	590220	TMN 41 8X30	139
570580	3003	103	583850	VDF 8X40C	184	585120	BF E0-E3 M6	171	590221	TMN 41 8x50	139
570590	3004	103	583860	VDF 10X45C	184	585200	WSL 28-6	139	590222	TMN 41 8x60	139
570700	FPN5	185	583870	RFF8-10	181	585250	ECN E2L/E2/E3 M6	168	590223	TMN 41 8x100	139
570710	FPN6	185	583880	RFF8-12	181	585260	ECN E2L/E2/E3 M8	168	590224	TMN 41 10x50	139
570720	FPN8	185	583890	RFF10-12	181	585270	ECN E2L/E2/E3 M10	168	590225	TMN 41 10x60	139
570730	FPN10	185	583920	ABP12G	176	585380	ADK E1	165	590226	TMN 41 10x70	139
570740	FPN12	185	583930	ABP17G	176	585400	ADK E3	165	590227	TMN 41 10x80	139
570750	UPN6	185	583940	ABP26G	176	585430	ECN UNI M6	167	590228	TMN 41 10x90	139
570760	UPN8	185	584020	ABP12I	176	585440	ECN UNI M8	167	590240	SL 25X2,5X350	53
570770	UPN10	185	584030	ABP17I	176	585450	ECN UNI M10	167	590330	KP E4 M10X50	173
570780	UPN12	185	584040	ABP26I	176	585470	E2 2M 34X20X2,4	162	591070	CEI10	177
570800	NPN640	185	584160	ABP12PL	176	585480	E2L 2M 34X20X1,5	162	591080	CEI20	177
570810	NPN660	185	584170	ABP17PL	176	585500	E1 2M 30X15X2	162	591200	FEI10	177
570820	NPN680	185	584400	MTSB3	187	585540	E3 6M 35X35X2	163	591210	FEI12	177
570830	NPN860	185	584410	MTSB4	187	585550	E3 3M 35X35X2	163	591220	FEI16	177
570840	NPN880	185	584420	MTSH3	187	585560	E3 2M 35X35X2	163	591230	FEI20	177
570850	NPN8100	185	584430	MTSH4	187	585780	RAC E3	168	591250	BEI10	177
570860	NPN8120	185	584440	MTGB8	188	585860	C-E3 35X35 250MM	164	591260	BEI12	177
571130	RING FRF 014/1	186	584450	MTGH8	188	585870	C-E3 35X35 500MM	164	591270	BEI16	177
571140	RING FRF 016/1	186	584455	MTVB8 (VDS)	188	585880	C-E3 35X35 750MM	164	591280	BEI20	177
571150	RING FRF 018/1	186	584460	MTGD10	188	585890	C-E3 35X35 1000MM	164	591290	FIXOBAND 42014	176
571160	RING FRF 020/1	186	584465	MTVB10 (FM)	188	587500	EB35 135°	166	591350	BP17	176
571170	RING FRF 022/1	186	584480	C-FIX14 M8X80	172	587510	EBL35 90°	166	591360	BP25	176
571180	RING FRF 025/1	186	584490	C-FIX14 M8X100	172	587520	EBL35 135°	166	591500	CHN15K-2	178
571190	RING FRF 028/1	186	584500	C-FIX14 M6	172	587530	EB35 90°	166	591510	CHN17K-2	178
571200	RING FRF 016/2	186	584510	C-FIX14 M8	172	588240	PLN28X30-8,4MM	167	591570	S30	179
571210	RING FRF 018/2	186	584520	C-FIX14 M10	172	588250	PLN28X30-10,5MM	167	591580	S40	179
571220	RING FRF 020/2	186	584530	C-FIX14 M8X30	172	588260	PLN31X30-8,4MM	167	591590	S50	179
571230	RING FRF 022/2	186	584540	C-FIX14 M8X40	172	588270	PLN31X30-10,5MM	167	591650	S40-2	179
571240	RING FRF 025/2	186	584550	C-FIX14 M8X60	172	588280	PLN39X30-8,4MM	167	591660	S50-2	179
571250	RING FRF 028/2	186	584560	C-FIX14 M10X40	172	588285	PLN39X30-10,5MM	167	592040	HM6	180
571260	RING FRF 020/4	186	584570	C-FIX14 M10X60	172	588290	PLC	167	592050	HM8	180
571280	PWMS	189	584580	C-FIX14 M8X150	172	588720	RAC E0	168	592060	HM10	180
571290	PWVN	189	584596	WSL 28-8	139	588725	RAC E4	168	592070	HM12	180
571300	PWNS	189	584597	WSL 28-10	139	589925	PLN 42x30-8,4mm	139	592130	HM6-2	180
571310	CTF 5X25	185	584598	WSL 35-8	139	589928	PLN50X40-11	139	592140	HM8-2	180
571460	MFV433	189	584599	WSL 35-10	139	589930	PLN 42x30-10,5mm	139	592150	HM10-2	180
571470	MFV537	189	584600	WSL 40-8	139	589940	PLN 42x30-13,0mm	139	592160	HM12-2	180
			584610	WSL 40-10	139	589980	KIT U 450	134	592300	EM6	181
			584611	WSL 40-13	139	589990	KIT U 600	134	592310	EM8	181
			584612	WSL 40-17	139	590000	KIT U 450 silent	134	592320	EM10	181
			584630	C-FIX14 M8X120	172	590010	KIT U 600 silent	134	592330	EM12	181



592390	MU6	180	593580	VDF 10X200	184	599200	U-BOLT 4" P1 M10	159
592400	MU8	180	593745	THM10x25-3	137	599210	U-BOLT 4-3/4" P1 M10	159
592410	MU10	180	593755	THM10x30-3	137	599220	U-BOLT 5" P1 M12	159
592415	MU10-3	137	597500	C-E2 34X20 200MM	164	599230	U-BOLT 5-1/2" M14	159
592420	MU12	180	597510	C-E2 34X20 300MM	164	599240	U-BOLT 6" P1 M14	159
592480	MU6-2	180	597581	TBHKDG10.5	78	599250	U-BOLT 8" P1 M16	159
592490	MU8-2	180	597582	TBHKM8	78	599260	U-BOLT 10" P1 M16	159
592500	MU10-2	180	597583	TBHKM10	78	599270	U-BOLT 12" P1 M18	159
592510	MU12-2	180	597584	TBHKAM8	78	599280	U-BOLT 193MM P1 M16	159
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592580	2TFZ6	179	597586	TBHG DG10.5	78	599880	C-E0L 27X18 300MM	163
592590	1TFZ8	179	597587	TBHG M8	78	599885	C-E0 27X30 180MM	163
592600	2TFZ8	179	597588	TBHG M10	78	599890	C-E0 27X30 240MM	163
592610	1TFZ10	179	598811	OD 6-8 MM	158	599900	C-E0 27X30 300MM	163
592620	2TFZ10	179	598812	OD 8-11 MM	158	599905	C-E0 27X30 360MM	163
592630	1TFZ12	179	598813	OD 11-12 MM	158	599910	C-E0 27X30 420MM	163
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592670	3TFZ10	179	598817	OD 23-26 MM	158	599935	C-E4 38X40 200MM	164
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592720	1TFZ8-2	179	598823	OD 36-39 MM	158	599970	C-E4 38X40 450MM	164
592730	2TFZ8-2	179	598824	OD 39-42 MM	158	599980	C-E4 38X40 550MM	164
592740	1TFZ10-2	179	598825	OD 42-45 MM	158	599990	C-E4 38X40 650MM	164
592750	2TFZ10-2	179	598826	OD 46-50 MM	158	599995	C-E4 38X40 800MM	164
592760	1TFZ12-2	179	598827	OD 50-54 MM	158	599996	E0L 2M 27X18X1,25	162
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592860	THMF 10x25	182	598831	OD 60-63 MM	158	599999	E4 6M 38X40X2	163
592870	THMF 10x30	182	598832	OD 62-64 MM	158	600000	E4 3M 38X40X2	163
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593310	VDF 8X100	184	598864	OD 196-200 MM	158			
593320	VDF 8X50C	184	598865	OD 218-221 MM	158			
593330	VDF 10X60	184	599100	U-BOLT 1/4" P1 M6	159			
593340	VDF 10X80	184	599110	U-BOLT 3/8" P1 M6	159			
593350	VDF 10X100	184	599120	U-BOLT 1/2" P1 M6	159			
593360	VDF 10X110	184	599130	U-BOLT 3/4" P1 M8	159			
593370	VDF 10X120	184	599140	U-BOLT 1" P1 M8	159			
593400	VDF 8X120	184	599150	U-BOLT 1-1/4" P1 M8	159			
593410	VDF 8X150	184	599160	U-BOLT 1-1/2" P1 M8	159			
593420	VDF 8X200	184	599170	U-BOLT 2" P1 M8	159			
593560	VDF 10X50	184	599180	U-BOLT 2-1/2" P1 M8	159			
593570	VDF 10X150	184	599190	U-BOLT 3" P1 M10	159			

10GTD1217	160380	71	1TFZ8-2	592720	179	3TFZ6	592650	179	4H58I	170250	34
10GTD1722	160390	71	2001	570300	102	3TFZ8	592660	179	4H58IX	170160	35
10MEBN	172141	183	2002	570310	102	42020-2	350100	178	4H58ST3	171530	35
122	171690	63	2003	570320	102	42021-2	350110	178	4H58ST3 25 PACK	172370	35
122M10MA	174700	63	2004	570330	102	42022-2	350120	178	4H58ST3-2	171540	35
122M10TI	175070	63	2005	570340	102	42023-2	350130	178	4H912	170040	34
122M6MA	174680	63	2006	570350	102	42024-2	350140	178	4H912 25 PACK	172380	34
122M6TI	174890	63	2025	570240	102	42025-2	350150	178	4H912-2	179630	34
122M8MA	174690	63	20EM24	171800	43	4BRT32WS	172923	122	4H912CT	178540	36
122M8TI	174980	63	20EM58	171950	43	4G16H	170230	85	4H912CT 25 PACK	172390	36
122T10	160240	63	20EM912	173580	43	4G16H P6	576950	85	4H912CT-2	170700	36
123	171700	64	20M	170110	94	4G16M11	178600	86	4H912CTBB	170260	37
12312P	176730	64	20M24SM	171720	40	4G16M11	178620	86	4H912CTBR-2	170310	37
12316M	174790	64	20M4SM	173750	40	4G16M16	171900	86	4H912CTBW	170200	37
12316P	176740	64	20M58SM	173770	40	4G16M16	576940	86	4H912CTIN	160490	37
12320M	177760	64	20M912SM	173780	40	4G16M25	176880	86	4H912ST3	171640	35
1236M	174760	64	2150	570130	102	4G16M38	171890	86	4H912ST3 25 PACK	172400	35
123812M	160420	64	2200	570140	102	4G16M51	171870	86	4H912ST3-2	171550	35
1238P	176720	64	2250	570150	102	4G16M7	178590	86	4J2438	170290	84
12EM24-2	179810	43	2300	570160	102	4G16M76	171880	86	4J2438SM	176780	84
12EM58-2	179820	43	2350	570170	102	4G24H	170490	85	4MEBN	172100	183
12EM912-2	179830	43	2400	570180	102	4G24H-6	170500	85	4TGS	179840	85
12EP24	175110	43	24EM24	171960	43	4G24H-6 25 PACK	172280	85	4Z34	170650	88
12EP58	175120	43	24EM58	171970	43	4G24M11	171680	86	4Z34	171050	88
12EP912	175130	43	24EM912	173590	43	4G24M11-6	171840	86	4Z34812M	171060	88
12M-2	179910	94	24M	170120	94	4G24M16	171710	86	4Z34CTS	172950	89
12M24SM-2	179690	40	24M24SM	176690	40	4G24M16 25 PACK	172450	86	5101	335500	104
12M58SM-2	179700	40	24M4SM	173790	40	4G24M16-6	171860	86	5101-2	335590	104
12M912SM-2	179710	40	24M58SM	173800	40	4G24M16-6 25 PACK	172290	86	5102	335510	104
12P	171150	94	24M912SM	173810	40	4G24M25	171730	86	5102-2	335600	104
12P12P	171250	94	2H4	170010	34	4G24M25-6	171910	86	5103	335520	104
12P16P	171260	94	2H4/1012A	170460	36	4G24M25-6 25 PACK	172300	86	5103-2	335610	104
12P24SMT	175220	41	2H4/1012B	170830	36	4G24M38	171820	86	5104	335530	104
12P4IN	175320	41	2H4/1214A	170470	36	4G24M38-6	171920	86	5104-2	335620	104
12P4SM	175210	41	2H4/1214BSV	170840	36	4G24M38-6 25 PACK	172310	86	5105	335540	104
12P58SM	175230	41	2H4CT	178510	36	4G24M51	171830	86	5105-2	335630	104
12P912SM	175240	41	2H4CTBB	170210	37	4G24M51-6	171940	86	5106	335550	104
16EM24	171740	43	2H4CTBW	170170	37	4G24WN	160290	87	5106-2	335640	104
16EM58	171490	43	2H4CTIN	178550	37	4H24	170020	34	5107	335560	104
16EM912	173570	43	2H4ST3	173420	35	4H24 25 PACK	172320	34	5107-2	335650	104
16EP24	175140	43	2TFZ10	592620	179	4H24/1012A	170480	36	5109	335570	104
16EP58	175150	43	2TFZ10-2	592750	179	4H24/1012BSV	170850	36	5109-2	335660	104
16EP912	175160	43	2TFZ12	592640	179	4H24/1214A	170630	36	5110	335580	104
16M	170100	94	2TFZ12-2	592770	179	4H24/1214B	170640	36	5110-2	335670	104
16M24SM	173720	40	2TFZ6	592580	179	4H24-2	179610	34	512	190440	83
16M4SM	173710	40	2TFZ6-2	592710	179	4H24CT	178520	36	5120	335100	105
16M58SM	173730	40	2TFZ8	592600	179	4H24CT 25 PACK	172330	36	5120-2	335120	105
16M912SM	173740	40	2TFZ8-2	592730	179	4H24CT-2	160500	36	5130	335000	104
16P16P	171270	94	3001	570560	103	4H24CTBB	170220	37	5130-2	335050	104
16P24SM	175260	41	3002	570570	103	4H24CTBR-2	170280	37	5140	335010	104
16P4IN	175330	41	3003	570580	103	4H24CTBW	170180	37	5140-2	335060	104
16P4SM	175250	41	3004	570590	103	4H24CTIN	160470	37	5150	335020	104
16P58SM	175270	41	3025	570500	103	4H24DI	350000	40	5150-2	335070	104
16P912SM	175280	41	304B2	187991	96	4H24I	170150	34	5160	335030	104
16PSV	171170	94	32EM24	173600	43	4H24IX	170140	35	5160-2	335080	104
172930	172930	25	32EM58	173610	43	4H24ST3	171500	35	5170	335040	104
195864	195864	25	32EM912	173620	43	4H24ST3 25 PACK	172340	35	5170-2	335090	104
1TFZ10	592610	179	32M	170130	94	4H24ST3-2	171480	35	5190	335150	105
1TFZ10-2	592740	179	32M24SM	173830	40	4H58	170030	34	5190-2	335160	105
1TFZ12	592630	179	32M4SM	173820	40	4H58 25 PACK	172350	34	5195	335990	105
1TFZ12-2	592760	179	32M58SM	173840	40	4H58-2	179620	34	6001HB	336000	108
1TFZ6	592570	179	32M912SM	173850	40	4H58CT	178530	36	6002HB	336010	108
1TFZ6-2	592700	179	3300	570410	103	4H58CT 25 PACK	172360	36	6003HB	336020	108
1TFZ8	592590	179	3400	570420	103	4H58CT-2	170430	36	6101	330200	106
			3500	570430	103	4H58CTBB	170240	37	6102	330210	106
			3600	570440	103	4H58CTBR-2	170300	37	6103	330220	106
			3TFZ10	592670	179	4H58CTBW	170190	37	6104	330230	106
			3TFZ12	592680	179	4H58CTIN	160480	37	6105	330240	106



6106	330250	106	8P245M	175180	41	BP25	591360	176	C32HW	338002	57
6107	330260	106	8P4IN	175290	41	BR50	172910	121	C32LW	339550	58
6120	330600	107	8P4SM	175170	41	BTF24	160820	120	C36EB	338160	165
6120-2	330610	107	8P58IN	175310	41	BTF58	160830	120	C36EC	337660	159
6130	330000	106	8P58SM	175190	41	BTF912	160840	120	C36ES	337060	60
6140	330010	106	8P8P	171220	94	BTK M10	389890	53	C36EU	337360	58
6150	330020	106	8P912SM	175200	41	BTK M12	388890	53	C36GW	337860	59
6160	330030	106	AAC30-1 3M	310181	130	C100EC P3	337790	159	C36LW	339560	58
6180	330040	106	AAC30-3	310221	107	C100ES	337190	60	C38ERU	337240	59
6195	335980	107	AAC30-3 3M	310221	130	C100EU	337490	58	C40EB	338170	165
6501	330380	106	AAC40-3	310222	107	C100GW	337990	59	C40EC	337670	159
6502	330390	106	AAC40-3 4M	310222	130	C100LW	339690	58	C40ES	337070	60
6503	330400	106	AAC60-1	310191	107	C12-2EU	337305	57	C40EU	337370	58
6504	330410	106	AAC60-1 6M	310191	130	C12-3EU	337306	57	C40GW	337870	59
6505	330420	106	AAC60-2	310210	107	C12EB	338100	165	C40LW	339570	58
6506	330430	106	AAC60-3 6M	310231	130	C12EC P3	337600	159	C44-2EU	337385	57
6507	330440	106	AAC60-3	310231	107	C12ES	337000	60	C44-3EU	337366	57
6530	330100	106	AB	171120	92	C12EU	337300	58	C44EB	338180	165
6540	330110	106	ABP12G	583920	176	C12GW	337800	59	C44EC	337680	159
6550	330120	106	ABP12I	584020	176	C12LW	339500	58	C44ERU	337250	59
6560	330130	106	ABP12PL	584160	176	C14I/2 ERU	338300	60	C44ES	337080	60
6580	330140	106	ABP17G	583930	176	C14ERU	337200	59	C44EU	337380	58
6EM24	173550	43	ABP17I	584030	176	C16-2EU	337315	57	C44HW	338003	57
6EM58	171750	43	ABP17PL	584170	176	C16-3EU	337316	57	C44LW	339580	58
6EM912	173560	43	ABP26G	583940	176	C16EB	338110	165	C45	336120	55
6M	170790	94	ABP26I	584040	176	C16EC P3	337610	159	C45-2	336150	55
6M245M	173640	40	AC20-1 2M	385505	130	C16ES	337010	60	C48EB	338190	165
6M45M	173630	40	AC30-1 3M	310299	130	C16EU	337310	58	C48EC	337690	159
6M585M	171980	40	AC30-3 3M	310339	130	C16GW	337810	59	C48ES	337090	60
6M912SM	173650	40	AC40-1 4M	310333	130	C16LW	339510	58	C48EU	337390	58
6MEBN	172120	183	AC40-3 4M	310332	130	C20	336100	55	C48GW	337890	59
6MPCS1	171000	90	AC60-1 6M	310311	130	C20/2 ERU	338310	60	C48LW	339590	58
6WN	171560	87	AC60-2 6M	310326	130	C20-2	336130	55	C52ERU	337260	59
6WN 25 PACK	172410	87	AC60-3 6M	310358	130	C20-2EU	337325	57	C52-2EU	337415	57
6Z34	170720	88	ADK E0	313302	165	C20-3EU	337326	57	C52-3EU	337416	57
6Z346M	171080	88	ADK E0L	313301	165	C20EB	338120	165	C52EB	338200	165
6Z34812M	171090	88	ADK E1	585380	165	C20EC	337620	159	C52EC	337700	159
6Z34CTS	172960	89	ADK E2	313304	165	C20ERU	337210	59	C52ES	337100	60
6Z34TFB	171160	89	ADK E3	585400	165	C20ES	337020	60	C52EU	337400	58
812EM24	160120	43	ADK E4	313303	165	C20EU	337320	58	C52LW	339600	58
812EM58	160130	43	AF14	179860	67	C20GW	337820	59	C56EB	338210	165
812EM912	160140	43	APX 21/41-2	584820	169	C20HW	338001	57	C56EC	337710	159
812M	177130	94	APX E4 P1	584725	169	C20LW	339520	58	C56ES	337110	60
812M245M	160050	40	APX-E0L/E0/E1 M8	584715	169	C24EB	338130	165	C56EU	337410	58
812M45M	160040	40	APX-E2L/E2/E3	584710	169	C24EC	337630	159	C56GW	337900	59
812M585M	160060	40	APY 21/41-2	584840	169	C24ES	337030	60	C56HW	338004	57
812M912SM	160070	40	APY E4 P1	584751	169	C24EU	337330	58	C56LW	339610	58
812MATA	177190	82	APY-E0L/E0/E1 M8	584758	169	C24GW	337830	59	C60EB	338220	165
812MAT5	177200	82	APY-E2L/E2/E3	584740	169	C24LW	339530	58	C60EC	337720	159
812MF	160881	98	AS30-1	310360	128	C26ERU	337220	59	C60ERU	337270	59
812MGTD1217	160400	72	AS30-3	310400	128	C26/2 ERU	338320	60	C60ES	337120	60
812MGTD1722	160410	72	AS60-1	310370	128	C28EB	338140	165	C60EU	337420	58
812MPCS1	170990	90	AS60-3	310410	128	C28EC	337640	159	C60LW	339620	58
8EM24-2	179780	43	ATA41	170400	82	C28ES	337040	60	C64EB	338230	165
8EM58-2	179790	43	ATS41	170420	82	C28EU	337340	58	C64EC	337730	159
8EM912-2	179800	43	BC200	181180	54	C28GW	337840	59	C64ES	337130	60
8EP24	172150	43	BC200/CD0B	182210	54	C28LW	339540	58	C64EU	337430	58
8EP58	172160	43	BC200/CD1B	182220	54	C30	336110	55	C64GW	338000	59
8EP912	175100	43	BC200/CD2.5B	182230	54	C30-2	336140	55	C64LW	339630	58
8M-2	179900	94	BC200/CD2B	182240	54	C32/2 ERU	338330	60	C70EB	338240	165
8M245M-2	179650	40	BC200/CD3B	182250	54	C32-2EU	337355	57	C70EC	337740	159
8M585M-2	179660	40	BEI10	591250	177	C32-3EU	337356	57	C70ERU	337280	59
8M912SM-2	179670	40	BEI12	591260	177	C32EB	338150	165	C70ES	337140	60
8MEBN	172130	183	BEI16	591270	177	C32EC	337650	159	C70EU	337440	58
8P	171130	94	BEI20	591280	177	C32ERU	337230	59	C70GW	337940	59
8P12P	171230	94	BF E0-E3 M6	585120	171	C32ES	337050	60	C70LW	339640	58
8P16P	171240	94	BF E4 M8	585110	171	C32EU	337350	58	C76EC	337750	159
8P24IN	175300	41	BP17	591350	176	C32GW	337850	59	C76ES	337150	60

C76EU	337450	58	CADDY SLICK NUT 50M10	174410	138	CATHPECD1B	181086	117	CHK30K	385890	178
C76GW	337950	59	CADDY SLICK NUT 50M8	174360	138	CATHPECD2.5B	181088	117	CHK32K	385900	178
C76LW	339650	58	CADDY SLICK NUT 70M10	174420	138	CATHPECD2B	181087	117	CHN13K	386780	178
C82EC	337760	159	CADDY SLICK NUT 70M8	174370	138	CATHPES4	181068	113	CHN15K	385910	178
C82ES	337160	60	CADDY SLICK NUT 90M10	174430	138	CATHPESC	181082	116	CHN15K-2	591500	178
C82EU	337460	58	CADDY SLICK NUT 90M8	174380	138	CATHPETM	181069	113	CHN17K	385920	178
C82GW	337960	59	CADDY SLICK NUT M10	174350	138	CATHPEVF14	181081	116	CHN17K-2	591510	178
C82LW	339660	58	CADDY SLICK NUT M12	174550	138	CATMTLS	181995	122	CL10	593110	190
C88EC	337770	159	CADDY SLICK NUT M8	174340	138	CATTBCM	181987	120	CL10	593110	190
C88ES	337170	60	CADDY SLICK NUT M6	174460	138	CATTRAX25	182300	119	CL6	593090	190
C88EU	337470	58	CADDY® SUPERKLIP 10MM G	389018	99	CDC15-1 150mm	311657	131	CL6	593090	190
C88GW	337970	59	CADDY SUPERKLIP 12MM G	389001	99	CDC15-2 150mm	311658	131	CL8	593100	190
C88LW	339670	58	CADDY SUPERKLIP 15MM G	389002	99	CDC15-3 150mm	311649	131	CL8	593100	190
C94EC	337780	159	CADDY SUPERKLIP 17MM G	389003	99	CDC30-1 300mm	311667	131	CLDC15-1 150mm	311681	131
C94ES	337180	60	CADDY SUPERKLIP 20MM G	389004	99	CDC30-2 300mm	311662	131	CLDC15-3 150mm	311680	131
C94EU	337480	58	CADDY SUPERKLIP 22MM G	389005	99	CDC30-3 300mm	311659	131	CLDC30-1 300mm	311686	131
C94GW	337980	59	CADDY SUPERKLIP 25MM G	389006	99	CDC45-1 450mm	311677	131	CLDC30-3 300mm	311685	131
C94LW	339680	58	CADDY SUPERKLIP 28MM G	389007	99	CDC45-2 450mm	311668	131	CLDC45-1 450mm	311691	131
CA10	593200	190	CADDY SUPERKLIP 32MM G	389008	99	CDC45-3 450mm	311669	131	CLDC45-3 450mm	311690	131
CA10	593200	190	CADDY SUPERKLIP 36MM G	389009	99	CDDC30-3 300mm	311805	132	CR17	336300	55
CA6	593180	190	CADDY SUPERKLIP 40MM G	389011	99	CDDC45-3 450mm	311815	132	CR17-2	336400	55
CA6	593180	190	CADDY SUPERKLIP 47MM G	389012	99	CDDC60-3 600mm	311825	132	CR21	336310	55
CA8	593190	190	CADDY SUPERKLIP 51MM G	389013	99	CDDC75-3 750mm	311835	132	CR21-2	336410	55
CA8	593190	190	CADDY SUPERKLIP 59MM G	389014	99	C-E0 27X30 180MM	599885	163	CR28	336320	55
CAAC105-3 1050mm	311451	133	CADDY SUPERKLIP 8MM G	389017	99	C-E0 27X30 240MM	599890	163	CR28-2	336420	55
CAAC30-3 300mm	311401	133	CAT100CM	181976	120	C-E0 27X30 300MM	599900	163	CR37	336330	55
CAAC40-3 400mm	311409	133	CAT16HPE	181061	112	C-E0 27X30 360MM	599905	163	CR37-2	336430	55
CAAC45-3 450mm	311411	133	CAT16HPETS	181089	117	C-E0 27X30 420MM	599910	163	CR42	336340	55
CAAC50-3 500mm	311419	133	CAT200CMLN	181982	120	C-E0 27X30 540MM	599920	163	CR42-2	336440	55
CAAC60-3 600mm	311421	133	CAT300CMLN	181984	120	C-E0 27X30 660MM	599925	163	CR48	336350	55
CAAC75-3 750mm	311431	133	CAT32HPE	181062	112	C-E0 27X30 780MM	599930	163	CR48-2	336450	55
CAAC80-3 800mm	311439	133	CAT425	181130	118	C-EOL 27X18 180MM	599879	163	CR60	336360	55
CAAC90-3 900mm	311441	133	CAT425EBC	181360	119	C-EOL 27X18 300MM	599880	163	CR60-2	336460	55
CAC100-2 1000mm	311698	132	CAT425WMM	181880	118	C-E2 34X20 200MM	597500	164	CRLAM10EG	390010	184
CAC100-3 1000MM	311758	132	CAT48EHP	181063	112	C-E2 34X20 300MM	597510	164	CRLAM8EG	390009	184
CAC120-3 1200MM	311759	132	CAT600R	181930	119	C-E3 35X35 1000MM	585890	164	CRLBM10EG	390002	52
CAC150-3 1500MM	311760	132	CAT600WMM	181940	119	C-E3 35X35 250MM	585860	164	CRLBM8EG	390001	52
CAC15-1 150mm	311707	132	CAT64HPE	181064	112	C-E3 35X35 500MM	585870	164	CRLSM10EG	390004	180
CAC15-2 150mm	311693	132	CATCD0B	181140	93	C-E3 35X35 750MM	585880	164	CRLSM8EG	390003	180
CAC15-3 150mm	311702	132	CATCD1B	181190	93	C-E4 38X40 200MM	599935	164	CS812	176910	96
CAC20-1 200mm	311708	132	CATCD2,5B	181370	93	C-E4 38X40 250MM	599940	164	CT	170450	95
CAC20-3 200mm	311703	132	CATCD2B	181150	93	C-E4 38X40 300MM	599950	164	CT128TRK	182310	119
CAC200-3 2000MM	311761	132	CATCD3B	181380	93	C-E4 38X40 350MM	599960	164	CT-2	171600	95
CAC30-1 300mm	311717	132	CATCD4B	181390	93	C-E4 38X40 450MM	599970	164	CTF 5X25	571310	185
CAC30-2 300mm	311694	132	CATCD5B	181470	93	C-E4 38X40 550MM	599980	164	CTR112	311920	133
CAC30-3 300mm	311713	132	CATCD6B	181480	93	C-E4 38X40 650MM	599990	164	CTR116	311925	133
CAC45-1 450mm	311728	132	CATCD7B	181490	93	C-E4 38X40 800MM	599995	164	CTR121	311930	133
CAC45-2 450mm	311695	132	CATCD8B	181500	93	CEI10	591070	177	CTR126	311935	133
CAC45-3 450mm	311718	132	CATCD9B	181540	93	CEI20	591080	177	CTR131	311940	133
CAC50-1 500mm	311729	132	CATCR50	182335	124	CF10	593220	191	CTR141	311945	133
CAC50-3 500mm	311732	132	CATHP PLR	181093	118	CF8	593210	191	CTR151	311950	133
CAC60-1 600mm	311731	132	CATHPE24	181091	114	C-FIX14 M10	584520	172	CTR161	311955	133
CAC60-2 600mm	311696	132	CATHPE24SM	181075	114	C-FIX14 M10X100	584650	172	D1	336280	62
CAC60-3 600mm	311733	132	CATHPE4234	181083	117	C-FIX14 M10X40	584560	172	D2	339100	62
CAC75-1 750mm	311756	132	CATHPE58	181071	114	C-FIX14 M10X60	584570	172	D3	339110	62
CAC75-2 750mm	311697	132	CATHPE58SM	181076	114	C-FIX14 M10X80	584640	172	DC20-1 2M	387365	129
CAC75-3 750mm	311757	132	CATHPE6234	181084	117	C-FIX14 M6	584500	172	DC30-1 3M	310241	129
CADDY® ERISTRUT ADK421	313305	142	CATHPE912	181072	114	C-FIX14 M8	584510	172	DC30-3 3M	310281	129
CADDY® HB2	336030	52	CATHPE9125M	181077	114	C-FIX14 M8X100	584490	172	DC40-1 4M	310283	129
CADDY HB2-3	336040	52	CATHPEA4	181066	113	C-FIX14 M8X120	584630	172	DC40-3 4M	310286	129
CADDY® SLICK NUT 110M10	174440	138	CATHPEA6	181067	113	C-FIX14 M8X150	584580	172	DC60-1 6M	310255	129
CADDY SLICK NUT 110M8	174390	138	CATHPEAF14	181092	116	C-FIX14 M8X30	584530	172	DC60-2 2M	310265	129
CADDY SLICK NUT 130M10	174450	138	CATHPEAN	181065	113	C-FIX14 M8X40	584540	172	DC60-3 6M	310291	129
CADDY SLICK NUT 130M8	174400	138	CATHPEBC	181078	114	C-FIX14 M8X60	584550	172	DDC30-1	310061	129
			CATHPEBC200	181079	115	C-FIX14 M8X80	584480	172	DDC30-1	310061	107
			CATHPEBC200B	181074	115	CHK22K	385860	178	DDC30-2	310080	107
			CATHPEBCB	181073	115	CHK25K	385870	178	DDC30-3	310101	129
			CATHPECD0B	181085	117	CHK27K	385880	178	DDC30-3	310101	107



DDC60-1	310071	129	EERM10TI	173140	75	HW4M	188720	70	KP E4 M8X25	590201	173
DDC60-1	310071	107	EERM6MA	173170	75	HW6	187270	70	KP E4 M8X35	590200	173
DDC60-2	310090	107	EERM6TI	173120	75	HW6M	188740	70	KP E4 M8X40	590210	173
DDC60-3	310111	129	EERM8MA	173180	75	HW6SR	188760	70	KP E4 M8X50	590202	173
DDC60-3	310111	107	EERM8TI	173130	75	HW6ST	188770	70	KP E4 M8X80	590203	173
DLM	313320	142	EERS	173080	74	HW8	187280	70	KX	170870	91
DLP	313310	142	EERT10	160250	75	HW8M	188780	70	LAC20-12M	317096	129
E0 2M 27X30X1,5	599997	162	EM10	592320	181	HW8SR	188800	70	LAC30-1 3M	317099	129
E0L 2M 27X18X1,25	599996	162	EM12	592330	181	HW8ST	188810	70	LAC30-3 3M	317241	129
E1 2M 30X15X2	585500	162	EM24	170050	42	IDS M16	173460	84	LAC60-1 6M	317111	129
E2 2M 34X20X2,4	585470	162	EM24 25 PACK	172170	42	IM10	335190	105	LAC60-2 6M	317345	129
E2L 2M 34X20X1,5	585480	162	EM24-2	179720	42	IM10-2	335220	105	LAC60-3 6M	317251	129
E3 2M 35X35X2	585560	163	EM24SM	170530	42	IM6	335170	105	LDC20-1 2M	317116	128
E3 3M 35X35X2	585550	163	EM24SM16	160440	42	IM6-2	335200	105	LDC20-2 2M	317117	128
E3 6M 35X35X2	585540	163	EM24SM16 10 PACK	172220	42	IM8	335180	105	LDC30-1 3M	317119	128
E4 2M 38X40X2	599998	163	EM24SM-2	179750	42	IM8-2	335210	105	LDC60-1 6M	317131	128
E4 3M 38X40X2	600000	163	EM58	170060	42	INC8	336290	56	LI1	179055	124
E4 6M 38X40X2	599999	163	EM58 25 PACK	172180	42	INC8 10 PACK P7	175900	56	LI1B	179057	124
EB25 135°	584662	166	EM58-2	179730	42	ISN M10	187360	137	LI1W	179059	124
EB25 90°	584660	166	EM58SM	172060	42	ISN M6	187340	137	LI2	179056	124
EB35 135°	587500	166	EM58SM16	160450	42	ISN M8	187350	137	LI2B	179058	124
EB35 90°	587530	166	EM58SM16 10 PACK	172230	42	ISSP	190800	137	LI2W	179061	124
EBC	170380	50	EM58SM-2	179760	42	ISSP M10	190830	137	M10GTD1217	160340	71
EBC 25 PACK	172430	50	EM6	592300	181	ISSP M6	190810	137	M10GTD1722	160370	71
EBC12P	172710	51	EM8	592310	181	ISSP M8	190820	137	M10MA24	173320	38
EBC12PSM	172740	51	EM912	170070	42	J1	170370	68	M10MA4	173310	38
EBC16M	172590	51	EM912 25 PACK	175760	42	J1 25 PACK	172440	68	M10MA58	173330	38
EBC16MSM	172660	50	EM912-2	179740	42	JIA35	160883	97	M10MA912	173340	38
EBC16P	172720	51	EM912SM	171850	42	J1CT	170610	69	M10MAB	173450	93
EBC16PSM	172750	51	EM912SM16	160460	42	J1CTBB	170410	69	M10MAJ1	173370	68
EBC20M	172600	51	EM912SM16 10PACK	172240	42	J1CTBW	170360	69	M10MAJ2	173400	68
EBC20MSM	172670	50	EM912SM-2	179770	42	J2	171590	68	M10MAM10	173220	91
EBC24M	172610	51	ESC	174560	141	J2CT P7	170350	69	M10T1 P7	170910	92
EBC24MSM	172680	50	ESC16M	174605	141	J2CTBB	170440	69	M10TI24	175000	38
EBC32M	172620	51	ESC20M	174610	141	J2CTBW	170390	69	M10TI4	174990	38
EBC32MSM	172690	50	ESC6M	174595	141	K12	170670	91	M10TI58	175010	38
EBC6M	172580	51	ESC812M	174600	141	K16	170680	91	M10TI912	175020	38
EBC6MSM	172650	50	ESCM10MA	174625	141	K20	170690	91	M10TIB	175030	92
EBC812M	160200	51	ESCM6MA	174615	141	K8	170660	91	M10TIESC	174585	141
EBC812MSM	160180	50	ESCM8MA	174620	141	KIT U 450	589980	134	M10TIJ1	175050	69
EBC8P	172700	51	ESG1	188470	97	KIT U 450 silent	590000	134	M10TIJ2	175060	69
EBC8PSM	172730	51	FBS18	176990	98	KIT U 600	589990	134	M10TIOCDC	160730	73
EBCM10MA	173010	50	FEI10	591200	177	KIT U 600 silent	590010	134	M10VKR	160660	73
EBCM6MA	172990	50	FEI12	591210	177	KN30	380050	179	M10VKR 25 PACK	175820	73
EBCM8MA	173000	50	FEI16	591220	177	KN40	380060	179	M6GTD1217	160320	71
EBL25 135°	584668	166	FEI20	591230	177	KN50	380070	179	M6GTD1722	160350	71
EBL25 90°	584666	166	FIXOBAND 42014	591290	176	KP E0L/E0/ E1 M10X30	590087	173	M6MA24	173240	38
EBL35 135°	587520	166	FPN10	570730	185	KP E0L/E0/E1 M8X50	590078	173	M6MA4	173230	38
EBL35 90°	587510	166	FPN12	570740	185	KP E0L/E0/E1 M8X80	590082	173	M6MA58	173250	38
ECN E0L/E0 M10	315350	167	FPN5	570700	185	KP E0L/E0/E1 M10X35	590088	173	M6MA912	173260	38
ECN E0L/E0 M6	315370	167	FPN6	570710	185	KP E0L/E0/E1 M10X50	590089	173	M6MAB	173430	93
ECN E0L/E0 M8	315340	167	FPN8	570720	185	KP E0L/E0/E1 M8X100	590083	173	M6MAJ1	173350	68
ECN E2L/E2/E3 M10	585270	168	FXC20	160885	99	KP E0L/E0/E1 M8X20	590074	173	M6MAJ2	173380	68
ECN E2L/E2/E3 M6	585250	168	GR50	172920	121	KP E0L/E0/E1 M8X25	590075	173	M6MAM6	173200	91
ECN E2L/E2/E3 M8	585260	168	HB2 3 PACK	175880	52	KP E0L/E0/E1 M8X30	590076	173	M6TI	174800	92
ECN E4 M10	315360	168	HB2 3 PACK	175890	52	KP E0L/E0/E1 M8X40	590077	173	M6TI24	174820	38
ECN E4 M8	315330	168	HM10	592060	180	KP E0L/E0/E1 M8X60	590079	173	M6TI24 25 PACK	175860	38
ECN UNI M10	585450	167	HM10-2	592150	180	KP E2L/E2/E3 M10X30	585020	173	M6TI4	174810	38
ECN UNI M6	585430	167	HM12	592070	180	KP E2L/E2/E3 M10X40	585030	173	M6TI58	174830	38
ECN UNI M8	585440	167	HM12-2	592160	180	KP E2L/E2/E3 M10X60	585040	173	M6TI58 25 PACK	175870	38
ECTB1	175640	183	HM6	592040	180	KP E2L/E2/E3 M8X30	585050	173	M6TI912	174840	38
ECTB2	175650	183	HM6-2	592130	180	KP E2L/E2/E3 M8X40	585000	173	M6TIB	174850	92
ECTB3	175660	183	HM8	592050	180	KP E2L/E2/E3 M8X50	585060	173	M6TIESC	174575	141
ECTB4	175670	183	HM8-2	592140	180	KP E2L/E2/E3 M8X60	585010	173	M6TIJ1	174870	69
ECTB5	175950	183	HW10	187290	70	KP E4 M10X35	590207	173	M6TIJ2	174880	69
EER	171470	74	HW10SR	188820	70	KP E4 M10X50	590330	173	M6TIOCDC	160710	73
EER 25 PACK	172200	74	HW12	187300	70	KP E4 M10X80	590208	173	M6VKR	160640	73
EERM10MA	173190	75	HW4	187260	70	KP E4 M8X100	590204	173	M6VKR 25 PACK	175800	73

M8GTD1217	160330	71	NPN8120	570860	185	PHWC8	196260	70	RPS300T7	182700	29
M8GTD1722	160360	71	NPN860	570830	185	PLC	588290	167	RPS300T8	182710	29
M8MA24	173280	38	NPN880	570840	185	PLN 42x30-10,5mm	589930	139	RPS360400	360400	31
M8MA4	173270	38	OCDC	160700	72	PLN 42x30-13,0mm	589940	139	RPS360401	360401	31
M8MA58	173290	38	OD 100-103 MM	598843	158	PLN 42x30-8,4mm	589925	139	RPS360402	360402	31
M8MA912	173300	38	OD 109-112 MM	598844	158	PLN28X30-10,5MM	588250	167	RPS360403	360403	31
M8MAB	173440	93	OD 11-12 MM	598813	158	PLN28X30-8,4MM	588240	167	RPS360404	360404	31
M8MAJ1	173360	68	OD 112-115 MM	598845	158	PLN31X30-10,5MM	588270	167	RPS360405	360405	31
M8MAJ2	173390	68	OD 115-118 MM	598846	158	PLN31X30-8,4MM	588260	167	RP550AHSV	182490	28
M8MAM8	173210	91	OD 125-128 MM	598847	158	PLN39X30-10,5MM	588285	167	RP550H4EG	182470	28
M8TI	170900	92	OD 132-135 MM	598848	158	PLN39X30-8,4MM	588280	167	RP550H4HD	182500	28
M8TI24	174910	38	OD 135-138 MM	598849	158	PLN50X40-11 P2	589928	139	RP550H6EG	182480	28
M8TI4	174900	38	OD 138-141 MM	598853	158	PPRP525H4	182450	28	RP550H6HD	182510	28
M8TI58	174920	38	OD 148-151 MM	598854	158	PPRP525H6	182460	28	RP5600T4	182650	30
M8TI912	174930	38	OD 15-17 MM	598814	158	PR	400914	165	RP5600T8	182720	30
M8TIB	174940	92	OD 157-160 MM	598855	158	PR	400915	165	RPSE1H24	182365	30
M8TIESC	174580	141	OD 160-164 MM	598856	158	PTBM6	172921	121	RPSE1H57	182370	30
M8TIJ1	174960	69	OD 164-167 MM	598857	158	PTBM8	172922	121	RPSE2H46	182375	30
M8TIJ2	174970	69	OD 167-170 MM	598858	158	PW2	175590	65	RTU M10C	583590	182
M8TIOCDC	160720	73	OD 176-179 MM	598859	158	PW2CT	175690	65	RTU M10L18	583610	182
M8VKR	160650	73	OD 179-182 MM	598862	158	PW2M10MA	175750	66	RTU M10L30	583630	182
M8VKR 25 PACK	175810	73	OD 18-20 MM	598815	158	PW2M10TIIN	175620	65	RTU M10L60	583640	182
MAC20-1 2M	310293	129	OD 189-192 MM	598863	158	PW2M6MA	175730	66	RTU M12L20	583620	182
MAC30-1 3M	310303	129	OD 196-200 MM	598864	158	PW2M6TIIN	175600	65	RTU M8C	583580	182
MAC60-1 6M	310313	129	OD 21-23 MM	598816	158	PW2M8MA	175740	66	RTU M8L15	583600	182
MDC 20-1	310256	128	OD 218-221 MM	598865	158	PW2M8TIIN	175610	65	S24	172030	39
MDC 30-1	310257	128	OD 23-26 MM	598817	158	PW2T10IN	175630	65	S30	591570	179
MFAM6	160310	140	OD 26-29 MM	598818	158	PWMS	571280	189	S4	175480	39
MFASM25	160300	140	OD 29-32 MM	598819	158	PWN	571290	189	S40	591580	179
MFSE	188480	98	OD 32-36 MM	598822	158	PWNS	571300	189	S40-2	591650	179
MFT1	571520	190	OD 36-39 MM	598823	158	QLD200	196009	25	S50	591590	179
MFT2	571530	190	OD 39-42 MM	598824	158	RAC E0	588720	168	S50-2	591660	179
MFV433	571460	189	OD 42-45 MM	598825	158	RAC E3	585780	168	S58	171760	39
MFV537	571470	189	OD 46-50 MM	598826	158	RAC E4	588725	168	S912	171770	39
MFV550	571480	189	OD 50-54 MM	598827	158	RFF10-12	583890	181	SC 245C1011	187550	44
MFV565	571490	189	OD 52-56 MM	598828	158	RFF8-10	583870	181	SC 245C1214	187570	44
MFV640	571500	189	OD 56-60 MM	598829	158	RFF8-12	583880	181	SC 245C1518	187590	44
MFV650	571510	189	OD 60-63 MM	598831	158	RING FRF 014/1	571130	186	SC 245C1924	187610	44
MLT2H-2	188100	191	OD 62-64 MM	598832	158	RING FRF 016/1	571140	186	SC 245C2530	187630	44
MP E4	400916	171	OD 64-67 MM	598833	158	RING FRF 016/2	571200	186	SC 245C67	187510	44
MSP20	187197	97	OD 67-71 MM	598834	158	RING FRF 018/1	571150	186	SC 245C78	187710	44
MT E4	400917	171	OD 6-8 MM	598811	158	RING FRF 018/2	571210	186	SC 245C89	187530	44
MTGB8	584440	188	OD 71-74 MM	598835	158	RING FRF 020/1	571160	186	SC 245C910	187750	44
MTGD10	584460	188	OD 74-77 MM	598836	158	RING FRF 020/2	571220	186	SC 475C1011	187540	44
MTGH8	584450	188	OD 77-80 MM	598837	158	RING FRF 020/4	571260	186	SC 475C1214	187560	44
MTSB3	584400	187	OD 8-11 MM	598812	158	RING FRF 022/1	571170	186	SC 475C1518	187580	44
MTSB4	584410	187	OD 83-86 MM	598838	158	RING FRF 022/2	571230	186	SC 475C1924	187600	44
MTSH3	584420	187	OD 86-90 MM	598839	158	RING FRF 025/1	571180	186	SC 475C2530	187620	44
MTSH4	584430	187	OD 96-100 MM	598842	158	RING FRF 025/2	571240	186	SC 475C67	187500	44
MTVB10 (FM)	584465	188	OSM10X30	336060	192	RING FRF 028/1	571190	186	SC 475C78	187720	44
MTVB8 (VDS)	584455	188	OSM8X25	336050	192	RING FRF 028/2	571250	186	SC 475C89	187520	44
MU10	592410	180	P11RPSCEG	182660	32	RING PLUS FRF 16	571550	186	SC 475C910	187760	44
MU10-2	592500	180	P11RPSCHD	182670	32	RING PLUS FRF 20	571560	186	SC 8125C1011	187660	44
MU10-3	592415	137	PCH6	190630	109	RING PLUS FRF 25	571570	186	SC 8125C1214	187670	44
MU12	592420	180	PCH8	190640	109	RMF10-12	583760	181	SC 8125C1518	187680	44
MU12-2	592510	180	PCH8WR	190650	109	RMF10-8	583750	181	SC 8125C1924	187690	44
MU6	592390	180	PCS1	170880	89	RMF12-10	583780	181	SC 8125C2530	187700	44
MU6-2	592480	180	PCS2	170881	90	RMF12-8	583770	181	SC 8125C67	187640	44
MU8	592400	180	PH10M	182170	66	RMF6-8	583710	181	SC 8125C78	187730	44
MU8-2	592490	180	PH6M	182150	66	RMF8-10	583730	181	SC 8125C89	187650	44
NPN640	570800	185	PH8M	182160	66	RMF8-12	583740	181	SC 8125C910	187770	44
NPN660	570810	185	PHSW10M	182200	66	RMF8-6	583720	181	SC 87182	188190	46
NPN680	570820	185	PHSW6M	182180	66	RP5150T3	182580	29	SC 87186	188200	46
NPN8100	570850	185	PHSW8M	182190	66	RP5150T4	182590	29	SC HK21	187440	45
			PHW4	188830	70	RP5150T7	182680	29	SC HK22	187450	45
			PHW6	188840	70	RP5150T8	182690	29	SC HK23	187460	45
			PHW8	188850	70	RPS300T3	182620	29	SC HSC1011	186020	73
			PHWC6	196240	70	RPS300T4	182630	29	SC HSC1214	186030	73



SC HSC1518	186040	73	SLD15Y800	195965	22	SPP6	336200	56	TMN 41 12x40	590100	139
SC HSC1924	186050	73	SLD15Y800TP	195997	22	SPP6-2	336220	56	TMN 41 8x100	590223	139
SC HSC2530	186060	73	SLD2L1	195800	23	SPP8	336210	56	TMN 41 8x30	590220	139
SC HSC67	186000	73	SLD2L10	195820	23	SPP8-2	336230	56	TMN 41 8x40	590080	139
SC HSC78	187740	73	SLD2L10BP	195803	23	SR24	171810	39	TMN 41 8x50	590221	139
SC HSC89	186010	73	SLD2L1BP	195801	23	SR4	175540	39	TMN 41 8x60	590222	139
SC HSC910	187780	73	SLD2L2	195805	23	SR58	175550	39	TMN41 10X40	590094	139
SC LB3B	187390	47	SLD2L2BP	195806	23	SR912	172020	39	TMN41 12X40	590095	139
SC LF2	187400	46	SLD2L3	195810	23	STCB10M	181580	149	TMN41 8X40	590093	139
SC LF3	187410	46	SLD2L3BP	195811	23	STS	315450	130	TPC112	187192	95
SC LF4	187420	46	SLD2L5	195815	23	SWIVEL 6000HB	388350	108	TPC238	187193	95
SC LF5	187430	46	SLD2L5BP	195802	23	T10	160260	92	TRN290B	188140	191
SC LR1	187370	47	SLD2L7	196019	23	T1024	160010	38	TRN290N	188130	191
SC LR2	187380	47	SLD2Y300	196036	23	T104	160000	38	TRN370B	188160	191
SC SCA	160510	44	SLD2Y300L050H	196042	23	T1058	160020	38	TRN370N	188150	191
SC SCB1220	188090	45	SLD2Y300L10	196014	23	T10912	160030	38	TSGB16	187190	95
SC SCB312	188080	45	SLD2Y300L2	196037	23	T10B	160280	92	TSGB24	187191	95
SCB1220 25 PACK P7	172480	45	SLD2Y300L3	196038	23	T10ESC	174590	141	UA 506-1	315085	136
SCB312 25 PACK P7	172470	45	SLD2Y300L5	196012	23	T10J1	160220	69	UA 506-3	315080	136
SCD1217	188170	71	SLD2Y300L7	196013	23	T10J1 25 PACK	172190	69	UA 608-1	315095	136
SCD1722	188180	71	SLD2Y500	176870	23	T10J2	160230	69	UA 608-3	315090	136
SCMKBE	182351	125	SLD2Y500L3	177140	23	T10OCDC	160740	73	UA 810-1	315105	136
SCMKCE	182352	125	SLD2YH500	196015	23	T4	177450	183	UA 810-3	315100	136
SCMKTE	182353	125	SLD2YH500L2	196024	23	TBHG DG10.5	597586	78	UA 812-1	315115	136
SCMKWE	182354	125	SLD2YH500L2TP	196004	23	TBHG M10	597588	78	UA 812-3	315110	136
SH-LG E0	584672	170	SLD2YH500L3	196025	23	TBHG M8	597587	78	UA506-2	315180	136
SH-LG E4	584673	170	SLD2YH500L3TP	196005	23	TBHKAM10	597585	78	UA608-2	315190	136
SH-SG E0	584670	170	SLD2YH500L7	196026	23	TBHKAM8	597584	78	UA810-2	315120	136
SH-SG E4	584671	170	SLD2YH500L7TP	196006	23	TBHKDG10.5	597581	78	UA812-2	315200	136
SL1214	195860	25	SLD2YH800	196016	23	TBHKM10	597583	78	UBH35 M6	190530	109
SL1518	195861	25	SLD3L1	195825	24	TBHKM8	597582	78	UBH35 M8	190490	109
SL 25X2,5X350	590240	53	SLD3L10	195845	24	TCA10	593170	190	UBH50 M6	190540	109
SLADCP	195851	25	SLD3L10BP	195808	24	TCA10	593170	190	UBH50 M8	190500	109
SLADS	195852	25	SLD3L1BP	195804	24	TCA6	593150	190	UBHT35	190510	109
SLC15L1000SP	196001	25	SLD3L2	195830	24	TCA6	593150	190	UBHT50	190520	109
SLC15L50MSP	196023	25	SLD3L2BP	195832	24	TCA8	593160	190	U-BOLT 1" P1 M8	599140	159
SLC2L1000SP	196002	25	SLD3L3	195835	24	TCA8	593160	190	U-BOLT 1/2" P1 M6	599120	159
SLC3L1000SP	196003	25	SLD3L3BP	195837	24	TDH	179920	76	U-BOLT 1/4" P1 M6	599100	159
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SLD15L10	195930	22	SLD3L5BP	195807	24	TDHAM8	179945	77	U-BOLT 1-1/2" P1 M8	599160	159
SLD15L10S	195945	22	SLD3L7	196020	24	TDH-IM8	179510	77	U-BOLT 1-1/4" P1 M8	599150	159
SLD15L10T	195980	22	SLD3YH500	196017	24	TDHM10	179950	76	U-BOLT 12" P1 M18	599270	159
SLD15L10TTP	195995	22	SLD3YH800	195998	24	TDHM6	179930	76	U-BOLT 193MM P1 M16	599280	159
SLD15L1T	195968	22	SLDM615L1	196028	22	TDHM8	179940	76	U-BOLT 2" P1 M8	599170	159
SLD15L1TP	195971	22	SLDM615L10	196033	22	TDHP MK2	159441	79	U-BOLT 2-1/2" P1 M8	599180	159
SLD15L1TTP	195991	22	SLDM615L2	196029	22	TDHP MK2 BLADE SET	159442	79	U-BOLT 3" P1 M10	599190	159
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SLD15L2T	195970	22	SLDM615L7	196032	22	THM10x30-3	593755	137	U-BOLT 4" P1 M10	599200	159
SLD15L2TP	195972	22	SLEBM6	195854	25	THMF 10x25	592860	182	U-BOLT 4-3/4" P1 M10	599210	159
SLD15L2TTP	195992	22	SLEBM8	195856	25	THMF 10x30	592870	182	U-BOLT 5" P1 M12	599220	159
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SLD15L3TP	195973	22	SLLC250	195863	25	TK12	389520	53	U-BOLT 8" P1 M16	599250	159
SLD15L3TTP	195993	22	SLLM6200	196039	25	TKN M10	386820	53	UD 506-1	315045	135
SLD15L5	195925	22	SLWC	195853	25	TKN M6	386805	53	UD 506-3	315040	135
SLD15L5S	195940	22	SLWPT	195859	25	TKN M8	386810	53	UD 608-1	315055	135
SLD15L5T	195975	22	SM6	336160	56	TKN10	389510	53	UD 608-3	315050	135
SLD15L5TP	195974	22	SM6-2	336180	56	TKN8	389500	53	UD 810-1	315065	135
SLD15L5TTP	195994	22	SM8	336170	56	TKN10 5 PACK	175840	53	UD 810-3	315060	135
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SLD15QT250	196007	22	SNA-3	311900	133	TMN 41 10x40	590090	139	UD506-2	315210	135
SLD15Y200	195999	22	SNM10	390007	180	TMN 41 10x50	590224	139	UD608-2	315220	135
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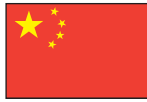
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