Atkore Unistrut Catalogue Vol 242

Atkore™ Unistrut 100 YEAR ANNIVERSARY

Atkore™ Unistrut

Building better together.

CONTENTS

Atkore Unistrut

Atkore Product Range

About Atkore

Atkore is a global manufacturer with facilities located around the world. Recognized as a leader in electrical, safety, and infrastructure solutions, our products are used to power and protect the world, including Electrical Conduit and Fittings, Cable and Cable Management Systems, Infrastructure Products, and Safety and Security Products. Distributors and contractors globally recognize Atkore as an industry leader and preferred supplier.
We have a vast portfolio of products that will meet all your construction and renovation needs, which obviously is broader than Atkore Unistrut products. Some of our top brands are:

Atkore™ Flexicon

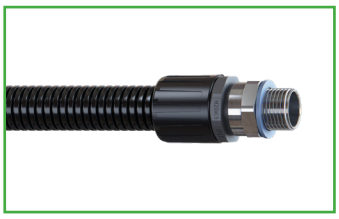
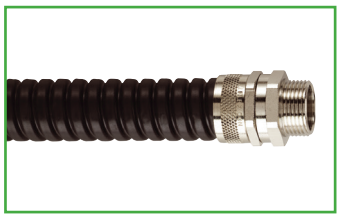
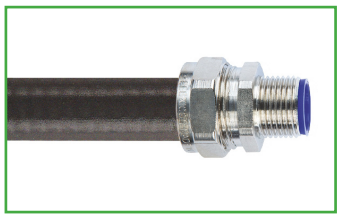
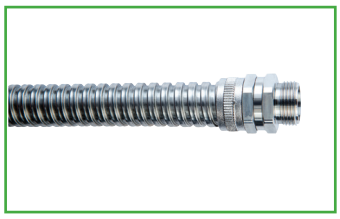
Atkore Flexicon are a market leading UK manufacturer of Cable Protection Solutions, offering over 62 different metallic & non-metallic flexible conduit systems for technically demanding applications.

Metallic Systems
- ▲ 10mm to 75mm Diameters
- ▲ Galvanised Steel, PVC
- ▲ Coated, Low Fire Hazard Coated Conduits

Metallic Systems
- ▲ Stainless Steel Conduits
- ▲ Liquid Tight Conduits
- ▲ Braided Conduits
- ▲ Hygienic Conduits & Fittings

Non-metallic Systems
- ▲ 7mm to 106mm Diameters
- ▲ PP, PVC, Nylon (PA) Corrugated Conduits
- ▲ Spiral Conduits

Non-metallic Systems
- ▲ Divisible Conduits
- ▲ Hygienic Conduits & Fittings
- ▲ Coloured Conduits

Atkore™ Marco

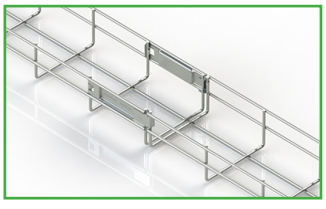
Atkore Marco offers a wide range of cable management products to safely and efficiently route cables. As leading UK manufacturer of uPVC cable management systems and Steel Wire Cable Tray we have many innovative solutions to save you time and money on your next project.

- ▲ Perimeter Trunking
- ▲ Data Trunking
- ▲ Mini / Maxi Trunking
- ▲ Accessories

- ▲ Bench Trunking
- ▲ Power Poles
- ▲ Power Posts

- ▲ Steel Wire Cable Tray
- ▲ Wire Basket Accessories
- ▲ PVC Conduit



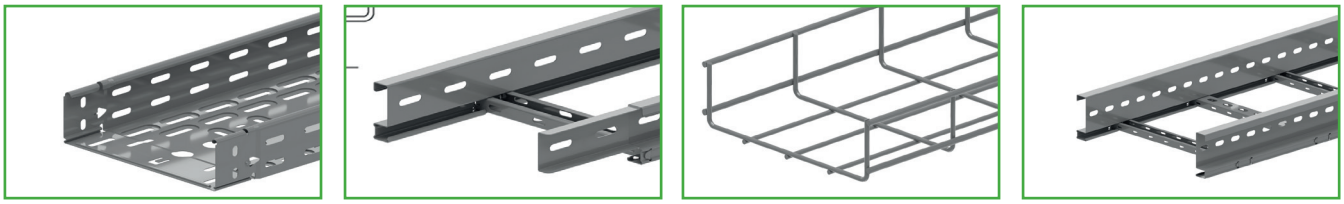



Atkore Product Range

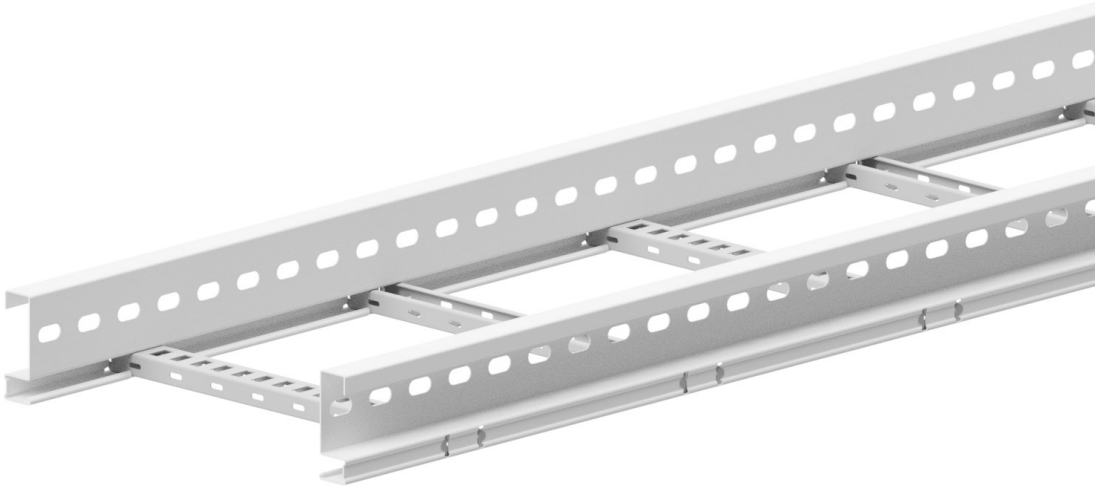
Atkore™ Vergokan

With 3 manufacturing facilities across Europe, and Worldwide distribution, Atkore Vergokan specialises in metal cable support systems to save installers time.

- ▲ Wire Basket
- ▲ Cable Tray
- ▲ Cable Ladder
- ▲ Mounting Systems
- ▲ Industrial Floor Trunking
- ▲ Floor Installations



Atkore Vergokan cable support products are reliable and long-lasting. Our high-quality products such as our cable trays, mounting systems, cable ladders, and wire baskets, have made us a market leader. Rigidity, strength, and ease of installation make our products unique. We designed our products to best cater to your needs.



KLM100 - Cable ladder

Atkore Unistrut

Materials & Finishes

Image for Illustrative purposes only

Hot Dipped Galvanised HG

Processed in accordance with BS EN ISO 1461: 2009. It is an excellent solution for outdoor environments and has a unique metallurgical structure which gives outstanding resistance to mechanical damage. *55µm minimum thickness.

Stainless Steel SS

Stainless steel to 1.4404 (316L) standards. Excellent for marine applications and extreme environmental conditions. Pickle & Passivate is available upon request.

Zinc Dichromate ZD

Often used for clean rooms, Data Centres and other sterile environments.

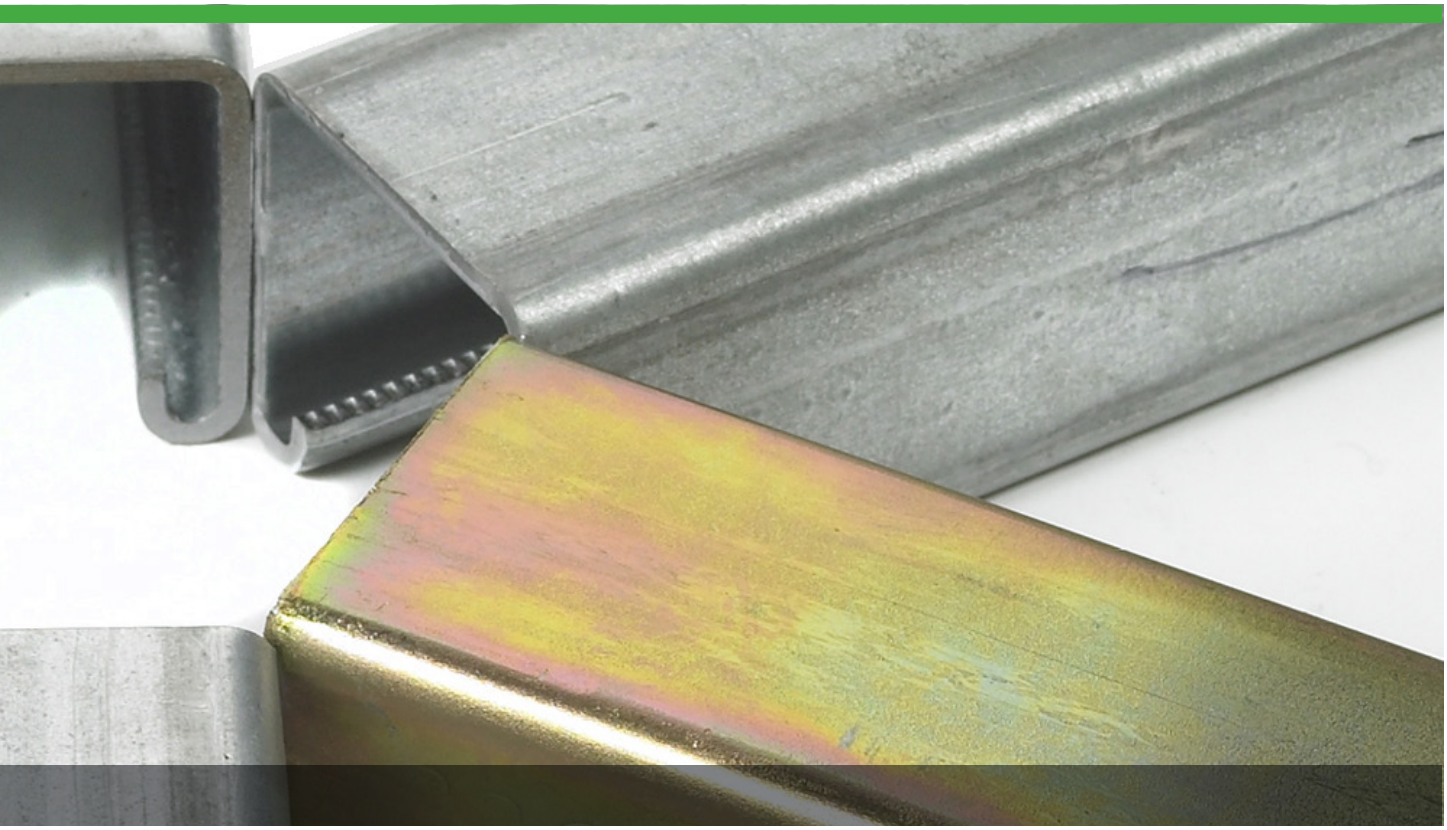
Zinc Plated ZP

An alternative to a Pre Galvanised product and generally used for internal applications. Zinc Plated applications are often used in sterile environments. Electroplated EN 12329.

Zinc Magnesium ZM

Coated to standard EN10346-2015, Zinc-Aluminium-Magnesium is a coating whose main component is zinc, and the content of aluminium and magnesium is between 1.5-8% (where the magnesium content is not less than 0.2%). Compared with traditional coatings such as Hot-Dip Galvanising and Pre-Galvanised Steel, Zinc-Aluminium-Magnesium coated steels boast better corrosion resistance and self-healing properties. Ideal for extreme environmental conditions or high specification applications.

Materials & Finishes



Zinc Aluminium* ZA

Coated to standard EN10346-2015 Zinc-Aluminium offers excellent coating resistance compared to traditional Zinc coatings. Zinc Aluminium typically offers a coating which is 95% Zn & 5% Al. Perfect for outdoor applications. *ZA available in Steel Wire Cable Tray only.

Plain Oil PO

Plain oil to BS EN 10025 standards. Pickled & Oiled with a min. yield 280 n/mm². Excellent for welding and finishing on site. Ideal base for powder coating and other surface finishes.

Pre Galvanised PG

The most popular finish, generally used for internal applications. Pre Galvanised to Z275- BS EN 10346 1.0244 standards. Supplied with a zinc coating to a nominal coat of 20µm.

Deep Galvanised DH

Processed in accordance with BS EN ISO 1461: 2009 to a greater thickness than the standard Hot Dipped Galvanised, it is an excellent solution for outdoor and harsh environments. *75 - 85µm minimum thickness.

Powder Coated PC

A variety of powder coating finishes are available. Often used to provide a pleasing aesthetic finish to projects such as shops and retail environments.

Deep Galvanised - 120µm+ DH+

Extra Deep Galvanised on silicone rich steel to a depth of 120µm+. Please consult the Atkore Unistrut Technical Team for predicted lifespan.

Metal Framing

Original Unistrut® Metal Framing

METAL FRAMING CONTENTS

Metal Framing System

The original Metal Framing System

History

The original Unistrut Metal Framing System was invented in 1924 by Charles Attwood. The original design came from a need for efficiently mounting electrical components in large electrical cabinets. The key to this was the creation of the Unistrut channel & Unistrut Channel Nut. Although developed for electrical applications, Mr. Attwood envisioned using his product for almost any application requiring a structural support frame designed and built in the field.

Following this, Attwood created a full Metal Framing System including, Unistrut channel, nuts, fittings, brackets and fixings to increase product versatility. Now exactly 100 years later, industries across the world still use Unistrut's original Metal Framing System for their applications.

Metal Framing System

Atkore Unistrut leads the industry with the most comprehensive line of channels and fittings, along with a complete line of hangers, pipe clamps, concrete inserts, and accessories, in a variety of finishes and materials.

The Metal Framing System requires no welding and no drilling - a wrench is the only tool you'll need! The Unistrut system is 100% reusable due to its flexibility, adaptability and versatility.

The only tool you'll need!

Metal Framing System

Mr.Strut

Did you know that the iconic mascot, Mr. Strut, was created by Walt Disney? Atkore Unistrut's founder, Charles Attwood, met Walt Disney on a commercial airline flight. During this meeting, Walt drew a sketch of Mr.Strut on a napkin and following the exchange, created an animated short film about the Unistrut Metal Framing System called 'Sky's the Limit'.

Scan the QR code to watch the 'Sky's the Limit' video!

Materials and Finishes

INTRODUCTION

Atkore Unistrut channels and fittings offer total flexibility in design and construction of assemblies for framing applications.
Atkore Unistrut products are available in a range of materials and finishes. These finishes offer differing degrees of corrosion protection for use in a variety of environments. Where required, factory decorative finishes are available to order.

MATERIALS

Channels are cold rolled from 1.5mm and 2.5mm steel strip and are available in:

PO PLAIN OILED

PG PRE - GALVANISED

HG HOT DIP GALVANISED

DG DEEP HOT DIP GALVANISED

SS STAINLESS STEEL MARINE GRADE

ZP ELECTRO ZINC PLATED

Mild steel channels are rolled using material formed from BS EN 10025 with guaranteed yield 280N/mm^2 and minimum ultimate tensile strength of 370N/mm^2.
Stainless steel channels are rolled using material formed from BS EN10088-2 grade 1.4404 (Grade 316L).
Atkore Unistrut fittings are pressed from hot rolled, pickled and oiled mild steel plate, or strip steel mainly from grade S315MC OR grade S275 mild steel.
Stainless Steel fittings are available to EN10088-2 grade1.4404 (Grade 316L).

FINISHES

Hot -Dip Galvanised

Channels are Hot-Dip Galvanised in accordance with BS EN ISO1461:2009 and chromate passivated.
The minimum average Zinc Coating is as follows:
Cold Rolled From 1.5mm Steel – 55 microns
2.5mm Steel – 55 microns
Fittings spun galvanised – 45 microns

Pre-Galvanised

Pre-Galvanising is to BS EN 10326 2004 (Coating Z275).

Special coatings and material grades are available on request

Stainless Steel

· Stainless Steel 1.4404 (316L)
· Cleaned (Pickled & Passivated)
Applying a pickling process to stainless steel results in a clean product and it also removes any heat discolouration that has occurred in the welding process.

Deep Galvanised

A deep galvanised coating can be achieved when using steel containing a slightly higher proportion of silicon; for example Corten 'A' steel. Silicon bearing steels modify the chemistry of the galvanizing process, resulting in the zinc coating continuing to increase in thickness as long as the steel remains immersed in the zinc. Coatings up to two to three times as thick as the normal standard coating are practical to achieve.

PVC Coating

PVC coating is a thick coating with good anti-corrosion properties. It gives a generally good chemical resistance to most acidic and alkaline materials. It is not suitable for use with most solvent-based contaminants. PVC coating is suitable for application over Hot-Dip Galvanised Steel.

Zinc Electroplated

Channel nuts and bolts are zinc electroplated.

RANGE

Channels are available in plain or slotted (Code T), in multiple channel combinations and all 2.5mm channels have serrated lips. Slots, 14mm wide x 28mm long or 11mm wide x 25mm long, are provided at 50mm nominal centres. Combination channels manufactured from Pre-Galvanised Steel are spot welded, whilst Hot-Dip Galvanised channels are continuously seam welded or spot welded as appropriate.

LENGTH

Standard channel lengths are 3m or 6m. Cut channel lengths can be supplied.

WEIGHTS & DIMENSIONS

Weights published in this catalogue for all materials are approximate shipping weights. All dimensions are subject to commercial tolerance variations.

TORQUE

The torque figures stated in this catalogue are based on using a properly calibrated torque wrench with a clean, dry (non-lubricated) Atkore Unistrut fitting, bolt and nut. A lubricated bolt or nut can cause extremely high tension in the connection and may lead to bolt failure. It must be noted that the accuracy of commercial torque wrenches varies widely and it is the responsibility of the installer to ensure that proper bolt torque has been achieved.

PERFORMANCE

It should not be assumed that the performance of a Stainless Steel product is similar to that of its mild steel counterpart. Consult your local Technical Sales Manager for further information.

FITTING APPLICATION

All part drawings illustrate only one application of each fitting. In most cases, many other applications are possible. Load values are based on use of a PNP12 Unistrut nut and M12 bolt unless specified otherwise.

While effort has been made to ensure the accuracy of the information contained in this catalogue at the time of publication, we cannot accept responsibility for inaccuracies resulting from undetected errors or omissions.

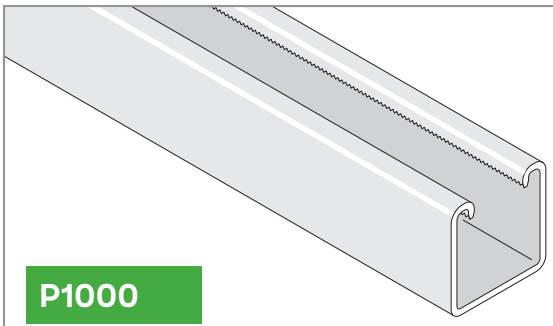
E & O.E. Unistrut Limited has a policy of continuous product development and reserve the right to change specifications without prior notice.

STANDARDS

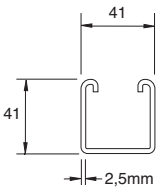
The standard requires that products are stamped with BSEN6946:1988 and also the name of the manufacturer.
We at Atkore Unistrut show that the standard is achieved by rolling the channel with the part number along with the full name of the Standard BSEN6946:1988, and also our own Atkore Unistrut branding. This is, as it should be, stamped into the Channel to ensure that you can clearly identify our product over the inferior product that is creeping into the market place.

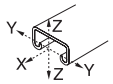
The engraving should also be clearly visible at all times, even when the product has under gone further finishing treatments i.e. Hot Dip Galvanised, Epoxy Coating. Contractors and distributors should be aware of cheap imported and non-standard products that have removable or no product marking at all, as this is not within the standard.

Unistrut P1000



P1000





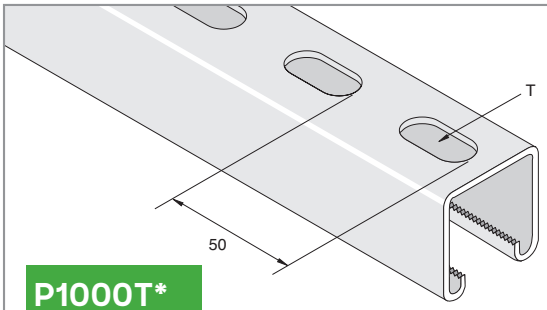
A = 3.35 cm²
/m = 2.88 kg/m
I y-y = 7.21 cm⁴
Z y-y = 3.10 cm³
r y-y = 1.46 cm
I z-z = 9.23 cm⁴
Z z-z = 4.47 cm³
r z-z = 1.66 cm

HG PO PG SS

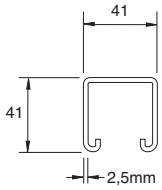
Part No.	Length	Finish
P1000X3000HG	3 m	HG
P1000X3000PG	3 m	PG
P1000X3000PO	3 m	PO
P1000X3000SS	3 m	SS
P1000X6000HG	6 m	HG
P1000X6000PG	6 m	PG
P1000X6000PO	6 m	PO
P1000X6000SS	6 m	SS

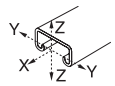
L(mm)	F, σ =175 N/mm²		f=1/200L	f=1/360L	F(kN)
	Fmax(kN)	fmax(mm)	F (kN)	F (kN)	
250	17.354	0.23	-	-	16.608
500	8.672	0.95	-	-	16.187
750	5.778	2.15	-	5.602	15.245
1000	4.336	3.82	-	3.149	13.685
1250	3.463	5.97	-	2.011	12.086
1500	2.884	8.60	2.521	1.393	10.722
1750	2.472	11.70	1.844	1.020	9.575
2000	2.168	15.29	1.413	0.785	8.623
2250	1.923	19.35	1.118	0.618	7.819
2500	1.727	23.89	0.903	0.500	7.112
2750	1.570	28.91	0.746	0.412	6.504*
3000	1.442	34.40	0.628	0.343	5.995*

*180 ≤ kL/r < 250



P1000T*





A = 3. 00 cm²
/m = 2.73 kg/m
I y-y = 6.10 cm⁴
Z y-y = 2.87 cm³
r y-y = 1.42 cm
I z-z = 9.17 cm⁴
Z z-z = 4.44 cm³
r z-z = 1.74 cm

HG PO PG SS

Part No.	Length	Finish
P1000TX3000HG	3 m	HG
P1000TX3000PG	3 m	PG
P1000TX3000PO	3 m	PO
P1000TX3000SS	3 m	SS
P1000TX6000HG	6 m	HG
P1000TX6000PG	6 m	PG
P1000TX6000PO	6 m	PO
P1000TX6000SS	6 m	SS

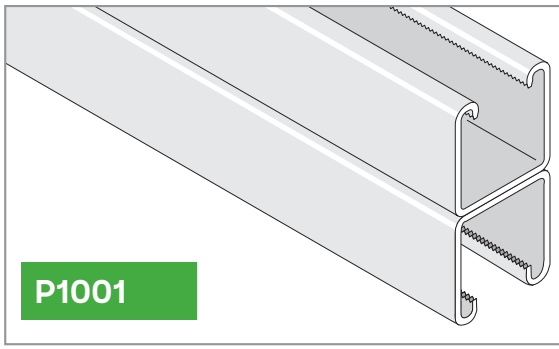
L(mm)	F, σ =175 N/mm²		f=1/200L	f=1/360L	F(kN)
	Fmax(kN)	fmax(mm)	F (kN)	F (kN)	
250	16.069	0.27	-	-	16.283
500	8.034	1.05	-	-	16.039
750	5.356	2.35	-	4.738	15.274
1000	4.012	4.18	-	2.659	13.626
1250	3.208	6.54	3.071	1.707	11.880
1500	2.678	9.41	2.129	1.177	10.418
1750	2.296	12.81	1.560	0.863	9.231
2000	2.001	16.73	1.197	0.657	8.270
2250	1.785	21.18	0.942	0.520	7.465
2500	1.599	26.15	0.765	0.422	6.779
2750	1.452	31.64	0.628	0.343	6.190*
3000	1.334	37.65	0.530	0.294	5.670*

*180 ≤ kL/r < 250

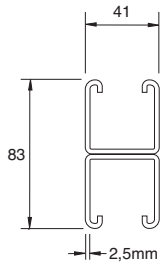
See page 16 for information on our Triple Slotted Channel

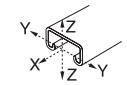
Stated loadings apply to mild steel products only.

Unistrut P1001



P1001





A = 6.70 cm²
/m = 5.77 kg/m
I y-y = 36.27 cm⁴
Z y-y = 8.78 cm³
r y-y = 2.32 cm
I z-z = 18.46 cm⁴
Z z-z = 8.94 cm³
r z-z = 1.66 cm

HG PO PG SS

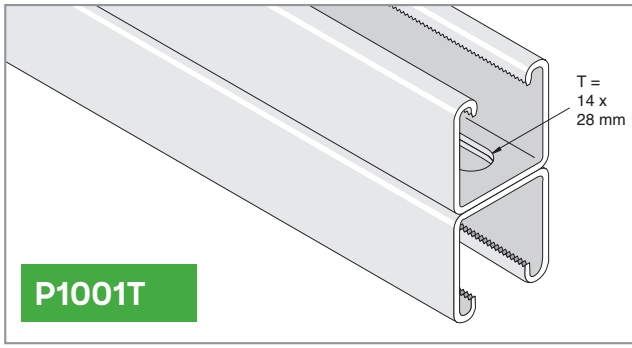
Part No.	Length	Finish
P1001X3000HG	3 m	HG
P1001X3000PG	3 m	PG
P1001X3000SS	3 m	SS
P1001X6000HG	6 m	HG
P1001X6000PG	6 m	PG
P1001X6000PO	6 m	PO
P1001X6000SS	6 m	SS

HG Continuously Seam Welded

SS Spot Welded

L(mm)	F, f, σ =175 N/mm²		f=1/200L	f=1/360L	F(kN)
	Fmax(kN)	fmax(mm)	F (kN)	F (kN)	
250	-	-	-	-	28.253
500	-	-	-	-	28.096
750	16.383	1.21	-	-	27.792
1000	12.292	2.15	-	-	27.301
1250	9.830	3.36	-	-	26.438
1500	8.191	4.84	-	7.044	25.025
1750	7.024	6.59	-	5.170	23.220
2000	6.141	8.61	-	3.963	21.288
2250	5.454	10.89	-	3.129	19.394
2500	4.915	13.45	4.562	2.531	17.619
2750	4.464	16.27	3.767	2.090	15.990
3000	4.091	19.37	3.169	1.756	14.519*

*180 ≤ kL/r < 250



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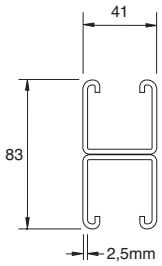
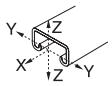




A = 6.00 cm²
/m = 5.47 kg/m
I y-y = 36.21 cm⁴
Z y-y = 8.77 cm³
r y-y = 2.45 cm
I z-z = 18.34 cm⁴
Z z-z = 8.88 cm³
r z-z = 1.74 cm

HG PO PG SS

Part No.	Length	Finish
P1001TX3000HG	3 m	HG
P1001TX3000PG	3 m	PG
P1001TX3000SS	3 m	SS
P1001TX6000HG	6 m	HG
P1001TX6000PG	6 m	PG
P1001TX6000PO	6 m	PO
P1001TX6000SS	6 m	SS

HG Continuously Seam Welded

PO PG SS Spot Welded

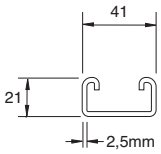
L(mm)	F, f, σ =175 N/mm²		f=1/200L	f=1/360L	F(kN)
	Fmax(kN)	fmax(mm)	F (kN)	F (kN)	
250	-	-	-	-	27.458
500	-	-	-	-	27.311
750	16.363	1.21	-	-	27.027
1000	12.272	2.15	-	-	26.585
1250	9.820	3.36	-	-	25.830
1500	8.182	4.84	-	7.034	24.584
1750	7.014	6.59	-	5.170	22.906
2000	6.131	8.61	-	3.953	21.042
2250	5.454	10.90	-	3.120	19.198
2500	4.905	13.46	4.552	2.531	17.452
2750	4.464	16.28	3.767	2.090	15.8520
3000	4.091	19.38	3.159	1.756	14.391*

*180 ≤ kL/r < 250

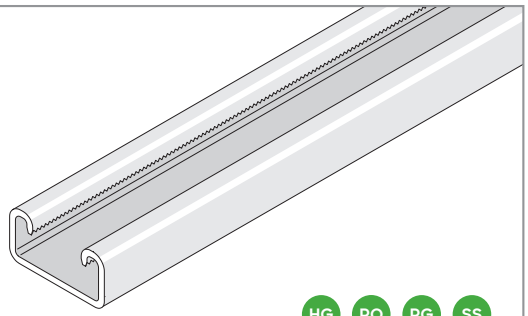
Stated loadings apply to mild steel products only.

Unistrut P3300

A = 2.32 cm²
/m = 1.91 kg/m
I y-y = 1.19 cm⁴
Z y-y = 0.97 cm³
r y-y = 0.71 cm
I z-z = 5.34 cm⁴
Z z-z = 2.59 cm³
r z-z = 1.51 cm



P3300

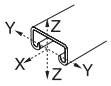


HG PO PG SS

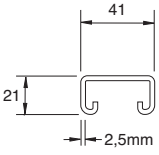
Part No.	Length	Finish
P3300X3HG	3 m	HG
P3300X3PG	3 m	PG
P3300X3PO	3 m	PO
P3300X3SS	3 m	SS
P3300X6HG	6 m	HG
P3300X6PG	6 m	PG
P3300X6PO	6 m	PO
P3300X6SS	6 m	SS

L(mm)	F, σ =175 N/mm², f	f=1/200L	f=1/360L	F(kN)
	Fmax(kN)	fmax(mm)	F (kN)	F (kN)	
250	5.425	0.45	-	-	10.222
500	2.708	1.81	-	2.080	9.761
750	1.805	4.07	1.658	0.922	8.427
1000	1.354	7.24	0.932	0.520	6.769
1250	1.079	11.32	0.598	0.324	5.376
1500	0.903	16.30	0.412	0.226	4.287*
1750	0.775	22.19	0.304	-	3.463*
200	0.677	28.99	0.226	-	-

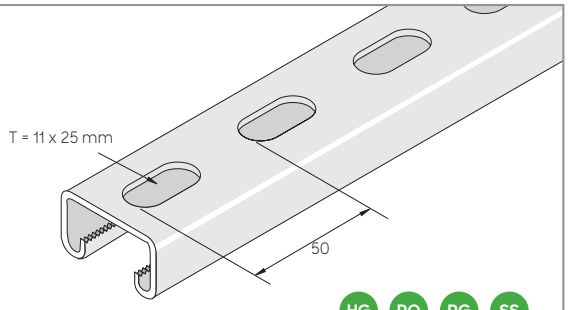
*180 ≤ kL/r < 250



A = 2.075 cm²
/m = 1.76 kg/m
I y-y = 1.04 cm⁴
Z y-y = 0.92 cm³
r y-y = 0.71 cm
I z-z = 5.32 cm⁴
Z z-z = 2.57 cm³
r z-z = 1.61 cm



P3300T10



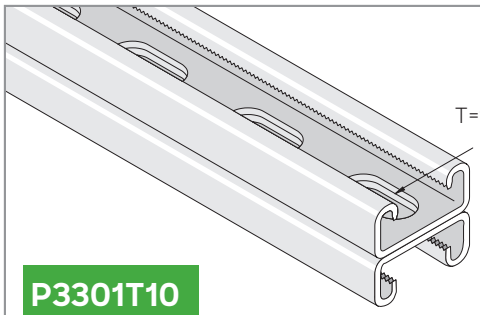
HG PO PG SS

Part No.	Length	Finish
P3300T10X3000HG	3 m	HG
P3300T10X3000PG	3 m	PG
P3300T10X3000PO	3 m	PO
P3300T10X3000SS	3 m	SS
P3300T10X6000HG	6 m	HG
P3300T10X6000PG	6 m	PG
P3300T10X6000PO	6 m	PO
P3300T10X6000SS	6 m	SS

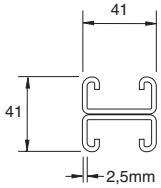
L(mm)	F, σ =175 N/mm², f	f=1/200L	f=1/360L	F(kN)
	Fmax(kN)	fmax(mm)	F (kN)	F (kN)	
250	5.152	0.49	-	-	-
500	2.576	1.97	-	1.819	-
750	1.717	4.42	1.455	0.809	-
1000	1.288	7.87	0.819	0.455	-
1250	1.030	12.29	0.524	0.291	-
1500	0.859	17.70	0.364	-	-
1750	0.736	24.09	0.267	-	-
2000	0.644	31.46	-	-	-

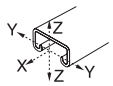
Stated loadings apply to mild steel products only.

Unistrut P3301



T=14mm x 28mm





A = 4.09 cm²
/m = 3.53 kg/m
I y-y = 6.42 cm⁴
Z y-y = 2.97 cm³
r y-y = 1.25 cm
I z-z = 10.64 cm⁴
Z z-z = 5.14 cm³
r z-z = 1.61 cm

P3301T10

HG PO PG SS

Part No.	Length	Finish
P3301T10X3000HG	3 m	HG
P3301T10X3000PG	3 m	PG
P3301T10X6000HG	6 m	HG
P3301T10X6000PG	6 m	PG
P3301T10X6000PO	6 m	PO
P3301T10X6000SS	6M	SS

HG Continuously Seam Welded

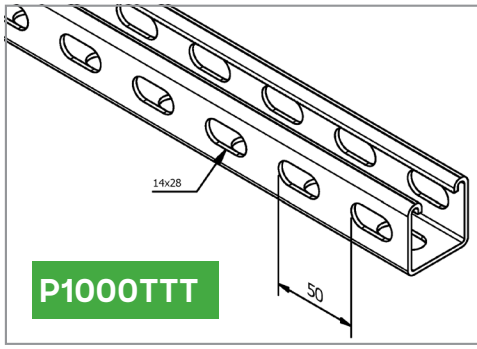
PO PG SS Spot Welded

L(mm)	F, σ =175 N/mm²		f=1/200L	f=1/360L	F(kN)
	Fmax(kN)	fmax(mm)	F (kN)	F (kN)	
250	16.632	0.26	-	-	17.266
500	8.316	1.03	-	-	17.030
750	5.544	2.31	-	4.991	16.599
1000	4.158	4.11	-	2.808	15.667
1250	3.326	6.43	3.234	1.797	14.156
1500	2.772	9.26	2.246	1.248	12.478
1750	2.376	12.60	1.650	0.917	10.899
2000	2.079	16.45	1.263	0.702	9.496
2250	1.848	20.83	0.998	0.555	8.289*
2500	1.663	25.71	0.809	0.449	7.250*
2750	1.512	31.11	0.668	0.371	6.377*
3000	1.386	37.02	0.562	0.312	-

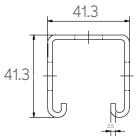
*180 ≤ kL/r < 250

Stated loadings apply to mild steel products only.

Triple T (TTT)



P1000TTT



- Triple Slotted Design
- Multiple Fixing Points
- Quick On-Site Configuration

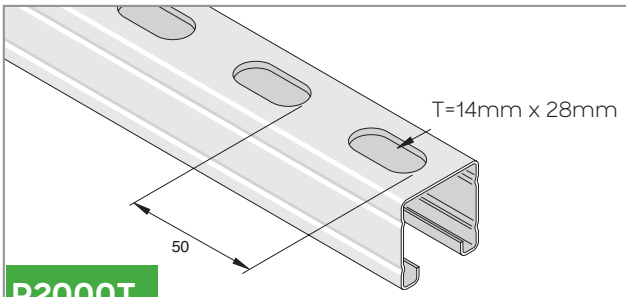
PG HG SS

Part No.	Length	Finish
P1000TTTVX3000HG	3 m	HG
P1000TTTVX3000PG	3 m	PG
P1000TTTVX3000PO	3 m	PO
P1000TTTVX3000SS	3 m	SS
P1000TTTVX6000HG	6 m	HG
P1000TTTVX6000PG	6 m	PG
P1000TTTVX6000PO	6 m	PO
P1000TTTVX6000SS	6 m	SS

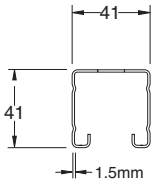
L(mm)	F, σ =175 N/mm²		f=1/200L	f=1/360L	F(kN)
	Fmax(kN)	fmax(mm)	F (kN)	F (kN)	
250	15.266	0.27	-	-	15.426
500	7.632	1.05	-	-	15.237
750	5.088	2.35	-	4.738	14.510
1000	3.811	4.18	-	2.659	12.945
1250	3.048	6.54	3.071	1.707	11.286
1500	2.544	9.41	2.129	1.177	9.897
1750	2.181	12.81	1.560	0.863	8.769
2000	1.901	16.73	1.197	0.657	7.857
2250	1.696	21.18	0.942	0.520	7.092
2500	1.519	26.15	0.765	0.422	6.440
2750	1.379	31.64	0.628	0.343	5.881
3000	1.267	37.65	0.530	0.294	5.387

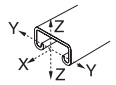
Triple T is also available in C41 & Back-to-Back on request.
Contact our team today for more information.

Unistrut P2000



P2000T





A = 1.92 cm²
m = 1.72 kg/m
I y-y = 4.24 cm⁴
Z y-y = 2.04 cm³
r y-y = 1.48 cm
I z-z = 6.10 cm⁴
Z z-z = 2.95 cm³
r z-z = 1.78 cm

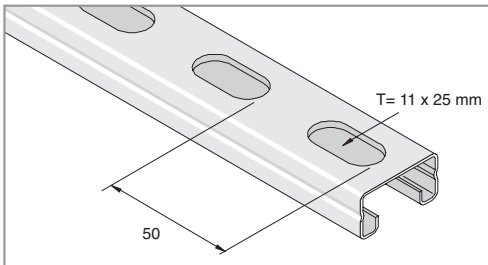
HG PO PG

Part No.	Length	Finish
P2000TX3000HG	3 m	HG
P2000TX3000PG	3 m	PG
P2000TX3000PO	3 m	PO
P2000TX6000HG	6 m	HG
P2000TX6000PG	6 m	PG
P2000TX6000PO	6 m	PO

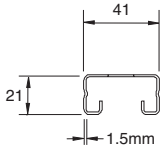
L(mm)	F, σ =175 N/mm²		f=1/200L	f=1/360L	F(kN)
	Fmax(kN)	fmax(mm)	F (kN)	F (kN)	
250	11.42	0.26	-	-	11.35
500	5.71	1.06	-	-	10.87
750	3.81	2.40	-	3.30	10.65
1000	2.85	4.27	*-	1.85	9.30
1250	2.28	6.68	2.13	1.18	7.79
1500	1.90	9.62	1.48	0.82	6.54
1750	1.63	13.10	1.09	0.60	5.55
2000	1.42	17.11	0.83	0.46	4.78
2250	1.27	21.65	0.66	0.36	4.17
2500	1.14	26.73	0.53	0.29	3.69
2750	1.03	32.35	0.43	0.24	3.30*
3000	0.95	38.50	0.36	0.21	3.05*

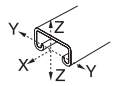
* K. L / r = >180< 250

Unistrut P4000



P4000T10





A = 1.34 cm²
m = 1.16 kg/m
I y-y = 0.78 cm⁴
Z y-y = 0.71 cm³
r y-y = 0.76 cm
I z-z = 3.66 cm⁴
Z z-z = 1.77 cm³
r z-z = 1.65 cm

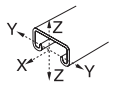
HG PO PG

Part No.	Length	Finish
P4000T10X3000PG	3 m	PG
P4000T10X6000PG	6 m	PG

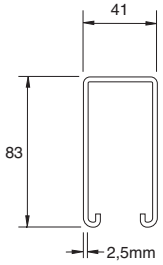
L(mm)	F, σ =175 N/mm²		f=1/200L	f=1/360L	F(kN)
	Fmax(kN)	fmax(mm)	F (kN)	F (kN)	
250	3.976	0.51	-	-	-
500	1.988	2.02	-	1.364	-
750	1.325	4.55	1.092	0.606	-
1000	0.994	8.09	0.614	0.341	-
1250	0.795	12.65	0.393	0.218	-
1500	0.663	18.21	0.273	-	-
1750	0.568	24.79	-	-	-
2000	0.497	32.38	-	-	-

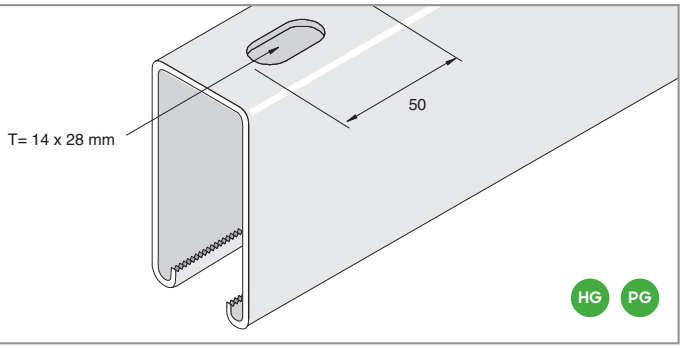
Stated loadings apply to mild steel products only.

Unistrut P5000



A = 5.06 cm²
/m = 4.05 kg/m
I y-y = 37.76 cm⁴
Z y-y = 9.01 cm³
r y-y = 2.72 cm
I z-z = 16.95 cm⁴
Z z-z = 8.21 cm³
r z-z = 1.82 cm





P5000T

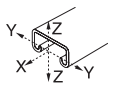
HG PG

Part No.	Length	Finish
P5000TX3000PG	3 m	PG
P5000TX6000HG	6 m	HG
P5000TX6000PG	6 m	PG

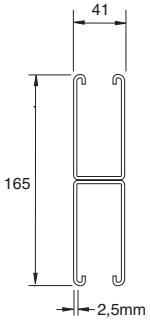
L(mm)	F, σ =132 N/mm²		f=1/200L	f=1/360L	
	Fmax(kN)	fmax(mm)	F (kN)	F (kN)	F(kN)
250	-	-	-	-	19.620
500	-	-	-	-	19.355
750	12.596	0.89	-	-	16.422
1000	9.447	1.59	-	-	12.822
1250	7.554	2.48	-	-	10.124
1500	6.298	3.58	-	-	8.182
1750	5.396	4.86	-	-	6.769
2000	4.719	6.36	-	4.120	5.719
2250	4.199	8.05	-	3.257	4.934
2500	3.777	9.93	-	2.639	4.326
2750	3.434	12.02	-	2.178	3.846
3000	3.149	14.31	-	1.834	3.453

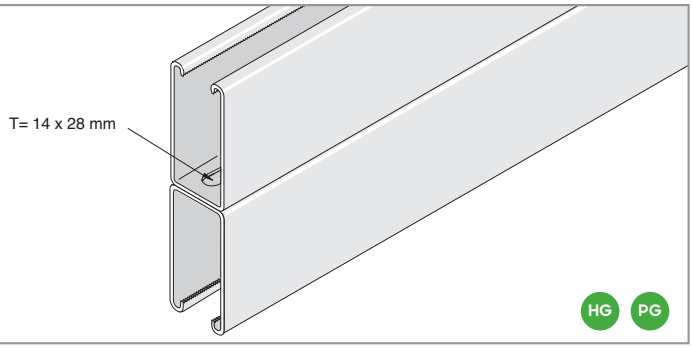
Unslotted version available on request.

Unistrut P5001



A = 10.12 cm²
/m = 8.11 kg/m
I y-y = 243.16 cm⁴
Z y-y = 29.44 cm³
r y-y = 4.90 cm
I z-z = 33.90 cm⁴
Z z-z = 16.42 cm³
r z-z = 1.83 cm





P5001T

HG PG

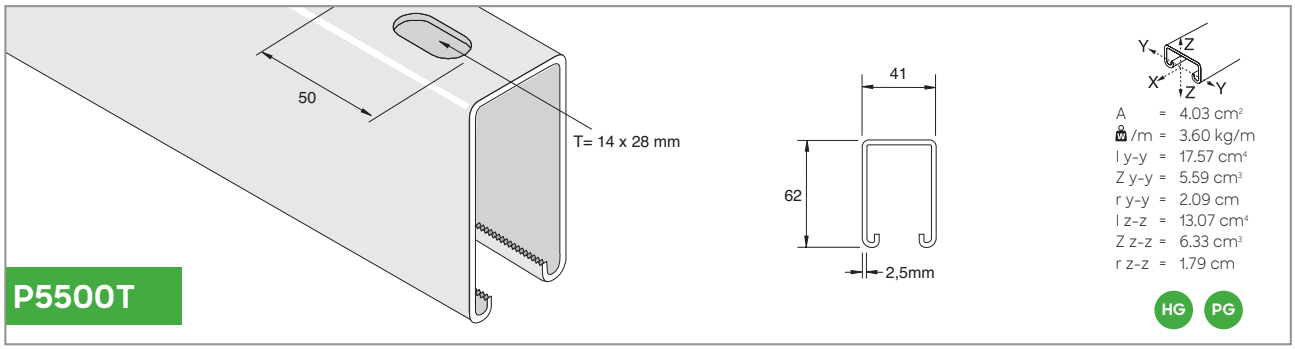
Part No.	Length	Finish
P5001TX6000HG	6 m	HG
P5001TX6000PG	6 m	PG

L(mm)	F, σ =132 N/mm²		f=1/200L	f=1/360L	
	Fmax(kN)	fmax(mm)	F (kN)	F (kN)	F(kN)
250	-	-	-	-	34.266
500	-	-	-	-	34.129
750	-	-	-	-	33.825
1000	-	-	-	-	33.432
1250	24.535	1.25	-	-	32.864
1500	20.444	1.80	-	-	32.010
1750	17.521	2.45	-	-	30.764
2000	15.333	3.20	-	-	29.165
2250	13.626	4.05	-	-	27.350
2500	12.263	5.00	-	-	25.467
2750	11.154	6.05	-	-	23.613
3000	10.222	7.21	-	-	21.847

HG PG Spot Welded

Stated loadings apply to mild steel products only.

Unistrut P5500

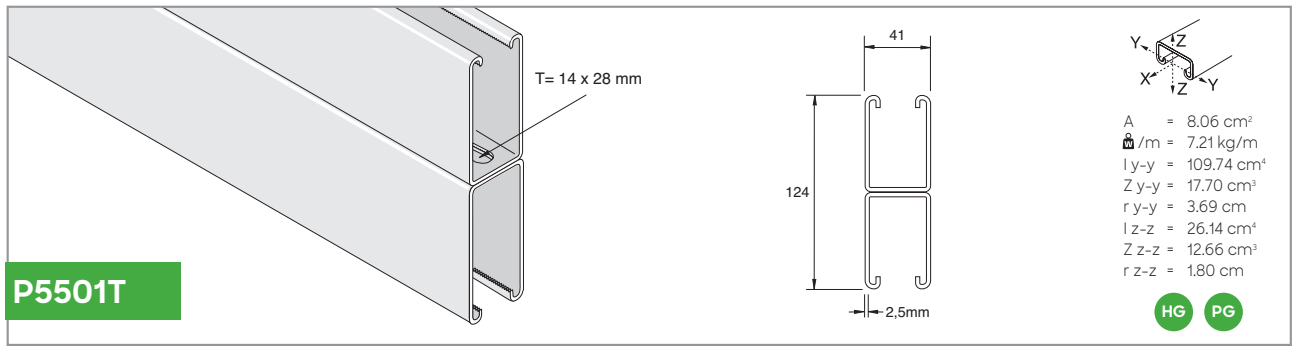


P5500T

Part No.	Length	Finish
P5500TX3000HG	3 m	HG
P5500TX3000PG	3 m	PG
P5500TX6000HG	6 m	HG
P5500TX6000PG	6 m	PG

L(mm)	F, σ =167 N/mm², f	$f=^{1}/_{200L}$	$f=^{1}/_{360L}$	$F_{(kN)}$
	Fmax(kN)	fmax(mm)	F (kN)	F (kN)	
250	-	-	-	-	20.277
500	-	-	-	-	20.081
750	9.928	1.50	-	-	18.443
1000	7.446	2.67	-	-	15.245
1250	5.955	4.18	-	4.944	12.557
1500	4.964	6.02	-	3.434	10.507
1750	4.248	8.19	-	2.521	8.966
2000	3.718	10.70	3.473	1.923	7.789
2250	3.306	13.55	2.747	1.521	6.867
2500	2.972	16.73	2.217	1.236	6.141
2750	2.708	20.24	1.834	1.020	5.543
3000	2.482	24.09	1.540	0.853	5.042

Unistrut P5501



P5501T

Part No.	Length	Finish
P5501TX6000HG	6 m	HG
P5501TX6000PG	6 m	PG

HG PG Spot Welded

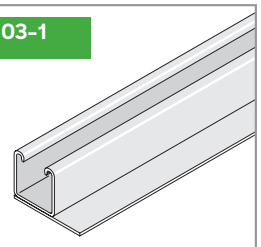
L(mm)	F, σ =167 N/mm², f	$f=^{1}/_{200L}$	$f=^{1}/_{360L}$	$F_{(kN)}$
	Fmax(kN)	fmax(mm)	F (kN)	F (kN)	
250	-	-	-	-	34.747
500	-	-	-	-	34.590
750	-	-	-	-	34.257
1000	-	-	-	-	33.766
1250	-	-	-	-	32.971
1500	15.745	3.07	-	-	31.677
1750	13.499	4.18	-	-	29.822
2000	11.811	5.47	-	-	27.674
2250	10.497	6.92	-	9.476	25.457
2500	9.477	8.54	-	7.671	23.299
2750	8.584	10.34	-	6.337	21.288
3000	7.868	12.30	-	5.327	19.443

Stated loadings apply to mild steel products only.

Unistrut P1000 Special Channels

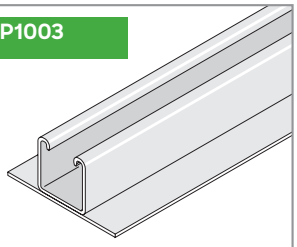
P1000 Special Channels are available on request.

P1003-1



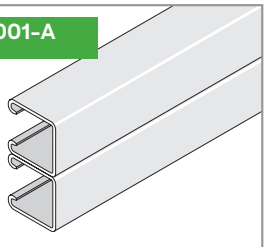
L=3m HG PG

P1003



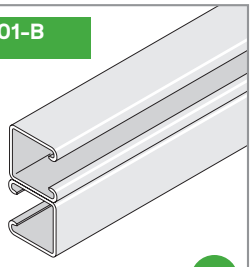
L=3m HG

P1001-A



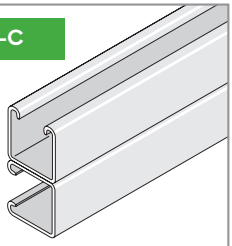
L=6m HG

P1001-B



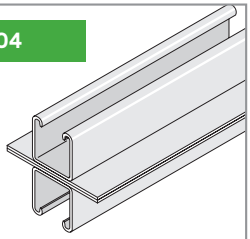
L=6m HG

P1001-C



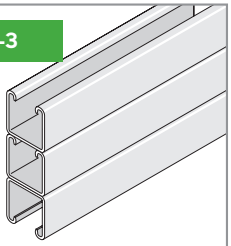
L=6m HG

P1004



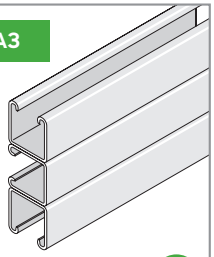
L=6m HG

P1001-3



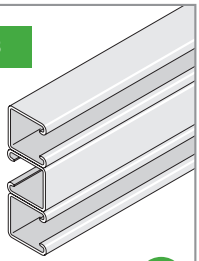
L=6m HG

P1001-A3



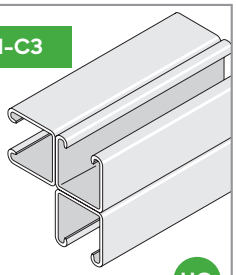
L=6m HG

P1001-B3



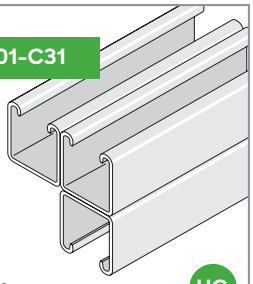
L=6m HG

P1001-C3



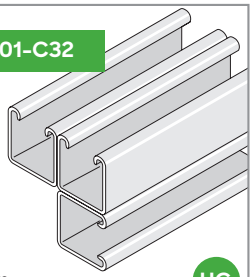
L=6m HG

P1001-C31



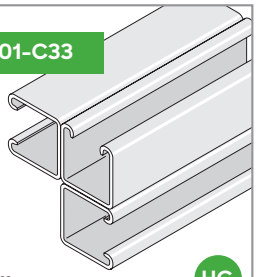
L=6m HG

P1001-C32



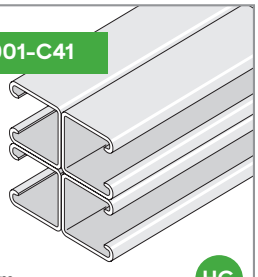
L=6m HG

P1001-C33



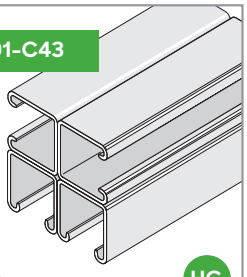
L=6m HG

P1001-C41



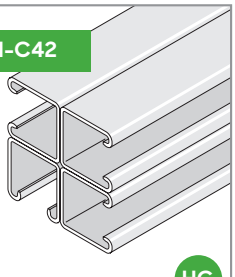
L=6m HG

P1001-C43



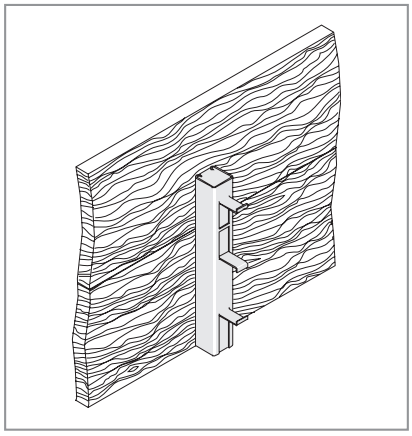
L=6m HG

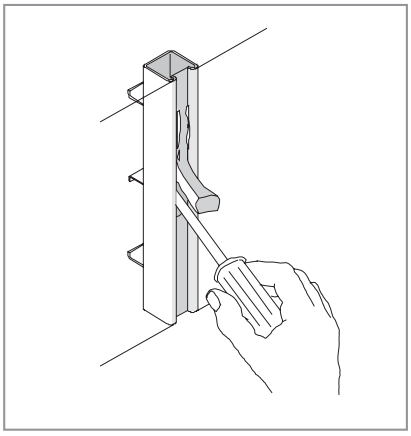
P1001-C42

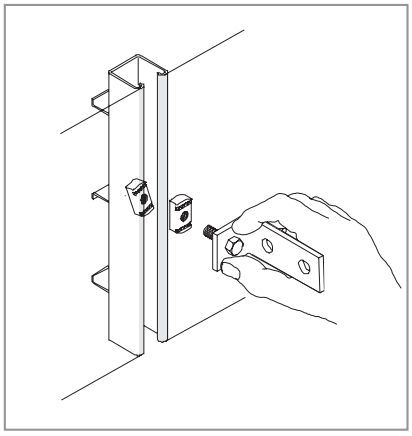


L=6m HG

Concrete Inserts







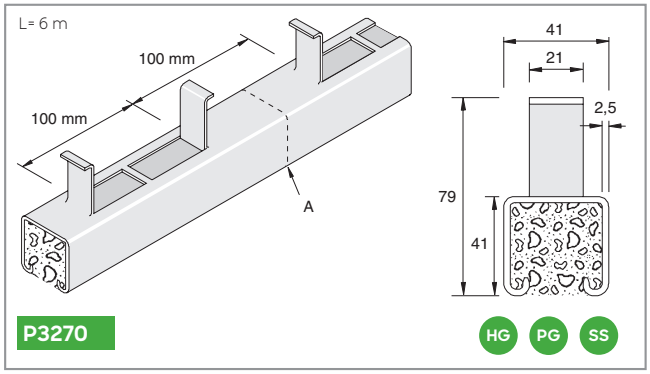
Concrete Inserts

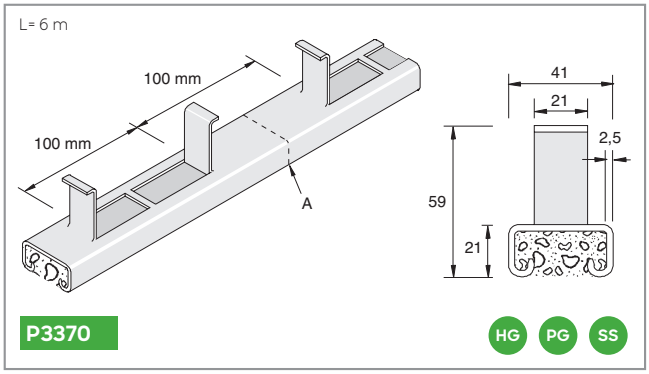
Atkore Unistrut concrete inserts are manufactured from standard Unistrut channel and may be installed in floors, walls, or ceilings for the support of all types of piping, conduit, cable support, and other industrial equipment.

Channel nuts can be positioned anywhere along the length of the channel, providing a means of attaching fittings or rods where required.

Atkore Unistrut inserts are available pre-filled with an easily removable foam to prevent the ingress of grout and cement.

Concrete inserts can be supplied in Pre Galvanised, Hot-Dip Galvanised and Stainless Steel finishes.





P3270 inserts are designed to accommodate M6, M8, M10, M12 & M16 fixings. Cutting positions are located between lugs as indicated (A) in increments of 200mm.

Part No.	Length	Finish
P3270X6HG	6 m	HG
P3270X6PG	6 m	PG
P3270X6SS	6 m	SS

The recommended loading in average strength concrete* with a safety factor of 3, is:

Part No.	Pullout	Length
P3270	8.8kN	300mm

*B = 25 N/mm²

Stated loadings apply to mild steel products only.

P3370 inserts are designed to accommodate M6, M8, M10 & M12 fixings. Cutting positions are located between lugs as indicated (A) in increments of 200mm

Part No.	Length	Finish
P3370X6HG	6 m	HG
P3370X6PG	6 m	PG
P3370X6SS	6 m	SS

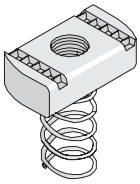
The recommended loading in average strength concrete* with a safety factor of 3, is:

Part No.	Pullout	Length
P3370	6.7kN	300mm

*B = 25 N/mm²

Unistrut Channel Nuts

Suitable for P1000, P2000 & P3270

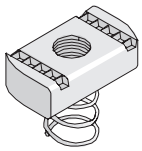


PNL06-PNL12A

HG SS ZP

Part No. ZP	Part No. HG	Part No. SS	Thread Size	/100	
PNL06ZP	PNL06HG	PNL06SS	M6	3.26	100
PNL08ZP	PNL08HG	PNL08SS	M8	3.53	100
PNL10ZP	PNL10HG	PNL10SS	M10	3.95	100
PNL12ZP	PNL12HG	n/a	M12	4.78	100
PNL12AZP	PNL12AHG	PNL12ASS	M12	3.43	100

Suitable for P3300, P4000 & P3370

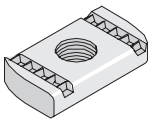


PNS06-PNS12A

HG SS ZP

Part No. ZP	Part No. HG	Part No. SS	Thread Size	/100	
PNS06ZP	PNS06HG	PNS06SS	M6	3.1	100
PNS08ZP	PNS08HG	PNS08SS	M8	3.5	100
PNS10ZP	PNS10HG	PNS10SS	M10	3.9	100
PNS12AZP	PNS12AHG	PNS12ASS	M12	3.6	100

Suitable for P1000, P2000, P3300, P4000, P5000, P5500, P3270 & P3370



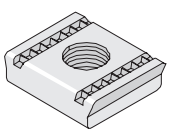
PNP06-PNP12A

HG SS ZP

Part No. ZP	Part No. HG	Part No. SS	Thread Size	/100	
PNP06ZP	PNP06HG	PNP06SS	M6	3.10	100
PNP08ZP	PNP08HG	PNP08SS	M8	3.40	100
PNP10ZP	PNP10HG	PNP10SS	M10	3.80	100
PNP12ZP	PNP12HG	n/a	M12	4.68	100
PNP12AZP	PNP12AHG	PNP12ASS	M12	3.43	100

* PNP12 is not suitable for Unistrut channels P3300, P4000 & P3370

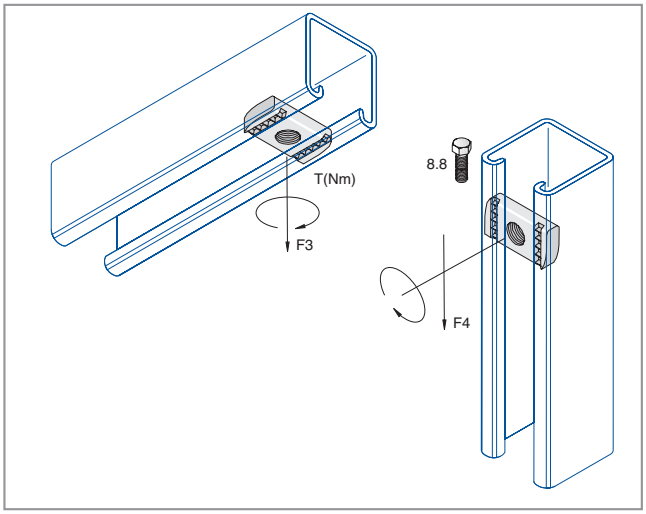
Suitable for P1000, P5000, P5500 & P3270



PNP16

ZP

Part No.	Finish ZP	Thread Size	/100	
PNP16*	·	M16	8.00	100



	Part No. ZP	T (Nm)	F3 kN
P1000	PNP06ZP	12	4.20
	PNP08ZP	28	4.70
41	PNP10ZP	55	6.00
	PNP12ZP	70	8.00
41	PNP16ZP	125	10.30
P3300	PNS06ZP	12	4.20
	PNS08ZP	28	4.70
21	PNS10ZP	55	6.00
41	PNS12AZP	60	6.00
P4000	PNL06ZP	12	4.20
	PNL08ZP	28	4.70
21	PNL10ZP	40	6.00
41	PNL12AZP	60	8.00

	Part No. SS	T (Nm)	F3 kN
P1000	PNP06SS	6.5	2.20
	PNP08SS	16	3.97
41	PNP10SS	31.5	6.00
	PNP12ASS	55	6.00
41			
P3300	PNP06SS	6.5	2.45
	PNP08SS	16	4.41
21	PNP10SS	31.5	6.86
41	PNP12ASS	55	6.86

Contact our technical team today for further information.

Please note: Channel Nuts can also be used with Unistrut's Slotted Channel.

Unistrut Stud Nuts

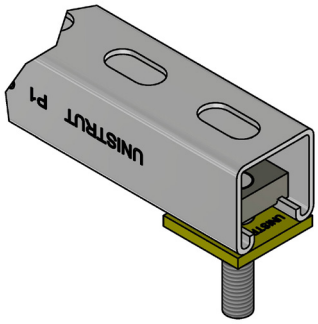
Part No.	L	
M6X30SNZP	18.5mm	100

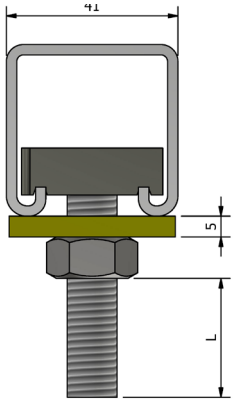
Part No.		L	
ZP	SS		
M8X30SNZP	n/a	15.5mm	100
M8X40SNZP	M8X40SNSS	25.5mm	100
M8X50SNZP	n/a	35.5mm	100
M8X60SNZP	n/a	45.5mm	100
M8X75SNZP	n/a	60.5mm	100
n/a	n/a	85.5mm	100

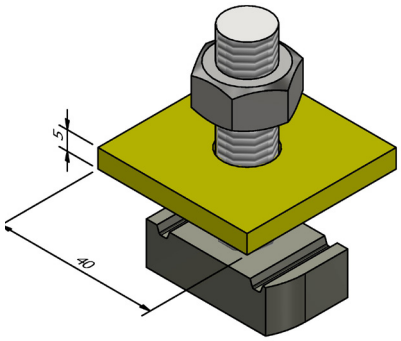
Part No.		L	
ZP	SS		
M10X30SNZP	n/a	13mm	100
M10X40SNZP	M10X40SNSS	23mm	100
M10X50SNZP	n/a	33mm	100
M10X60SNZP	n/a	43mm	100
M10X75SNZP	n/a	68mm	100
M10X100SNZP	n/a	83mm	100

Part No.		L	
ZP	SS		
M12X30SNZP	n/a	11mm	100
M12X40SNZP	M12X40SNSS	21mm	100
M12X50SNZP	n/a	31mm	100
M12X60SNZP	n/a	41mm	100
M12X75SNZP	n/a	56mm	100
M12X100SNZP	n/a	81mm	100

Part No.	L	
ZP		
M16X63SNZP*	40mm	100
M16X102SNZP*	79mm	100





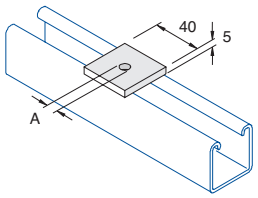


SN

SS ZP

* Hot forged

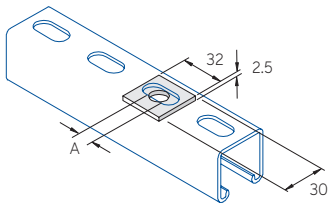
Unistrut Flat Fittings



P1019 / P1020

HG SS

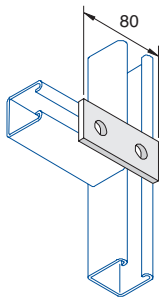
Part No. HG	Part No. SS	(mm)			
P1019HG	P1019SS	9	M6/M8	0.06	100
P1020HG	P1020SS	13	M10/M12	0.06	100



P1063/06 - P1063/12

HG SS

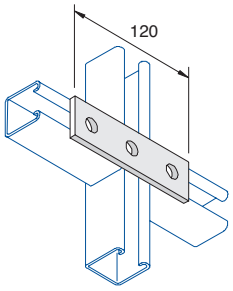
Part No. PG	Part No. SS	(mm)			
P1063/06PG	P1063/06SS	8	M6	0.02	200
P1063/08PG	P1063/08SS	10	M8	0.02	200
P1063/10PG	P1063/10SS	12	M10	0.02	200
P1063/12PG	P1063/12SS	14	M12	0.02	200



P1065

HG SS

Part No. HG	Part No. SS	(mm)		
P1065HG	P1065SS	8	0.17	20

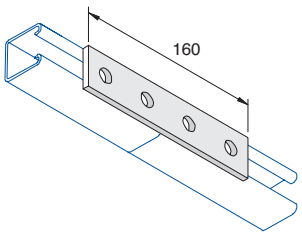


P1066

HG SS

Part No. HG	Part No. SS		
P1066HG	P1066SS	0.25	20

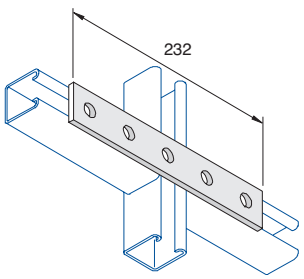
*Not Structural Coupler



P1067

HG SS

Part No. HG	Part No. SS		
P1067HG	P1067SS	0.35	20

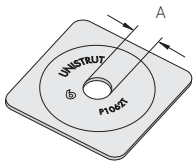


P1941

HG SS

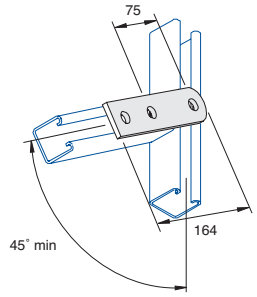
Part No. HG	Part No. SS		
P1941HG	P1941SS	0.43	20

Unistrut Flat Fittings



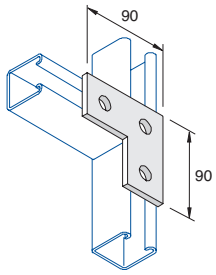
P1062T/P1064T PG

Part No. PG	(mm)		/100	
P1062TPG	8	M6	3.0	100
P1062ATPG	10	M8	3.0	100
P1063TPG	12	M10	3.0	100
P1064TPG	14	M12	3.0	100



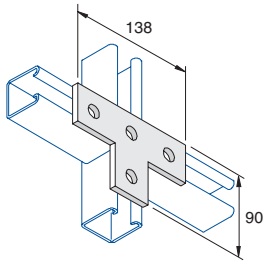
P2322 HG

Part No. HG		
P2322	0.34	25



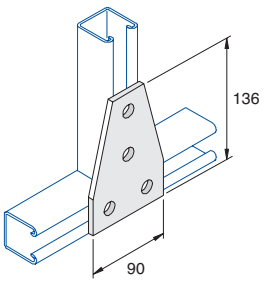
P1036 HG SS

Part No. HG	Part No. SS		
P1036HG	P1036SS	0.26	25



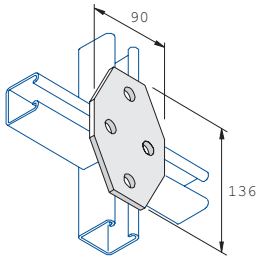
P1031 HG SS

Part No. HG	Part No. SS		
P1031HG	P1031SS	0.36	25



P1358 HG SS

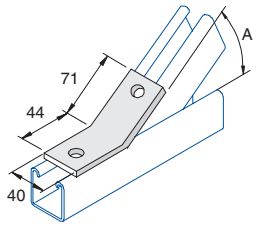
Part No. HG	Part No. SS		
P1358HG	P1358SS	0.48	10



P1580 HG SS

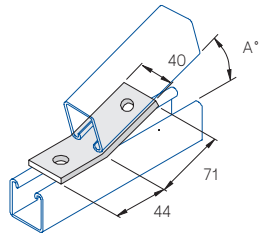
Part No. HG	Part No. SS		
P1580HG	P1580SS	0.37	10

Unistrut Angle Fittings



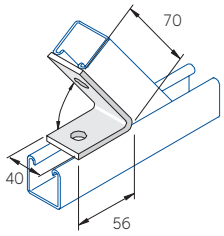
P1546, P2095 & P2097 HG SS

Part No. HG	Part No. SS	A°		
P1546HG	P1546SS	45°	0.26	10
P2097HG	P2097SS	60°	0.26	10
P2095HG	P2095SS	75°	0.26	10



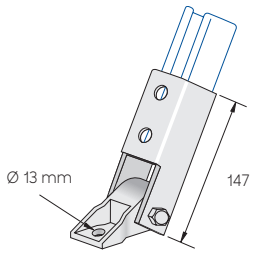
P2101 - P2103 HG

Finish HG	A°		
P2101HG	30°	0.26	10
P2103HG	15°	0.26	10



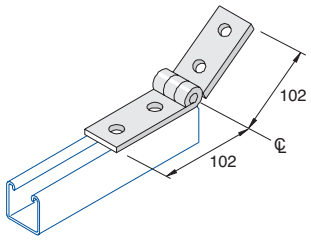
P1186, P2106 & P2108 HG SS

Part No. HG	Part No. SS	A°		
P1186HG	P1186SS	45°	0.26	20
P2106HG	P2106SS	75°	0.26	10
P2108HG	P2108SS	60°	0.26	20



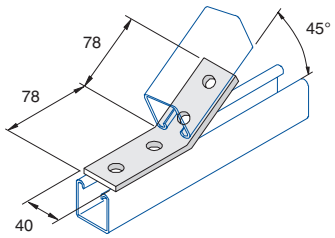
P2815S ZP

Part No.	Finish		
P2815S	ZP	1.53	10



P1354 ZP

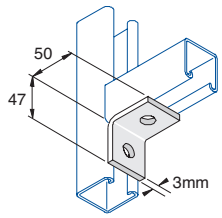
Part No. ZP		
P1354ZP	0.55	20



P1074 HG SS

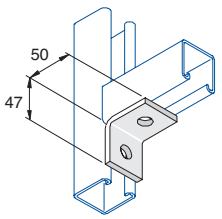
Part No. HG	Part No. SS		
P1074HG	P1074SS	0.35	20

Unistrut Angle Fittings



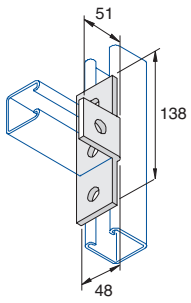
P1026-S1 ZP

Part No.	Finish		
P1026-S1	ZP	0.07	100



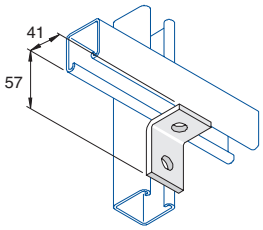
P1026 HG SS

Part No.			
HG	SS		
P1026HG	P1026SS	0.17	100



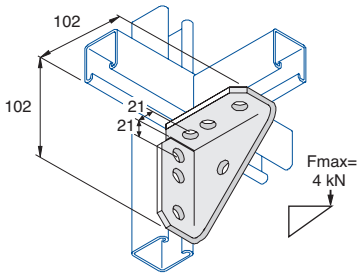
P1033 HG SS

Part No.			
HG	SS		
P1033HG	P1033SS	0.36	25



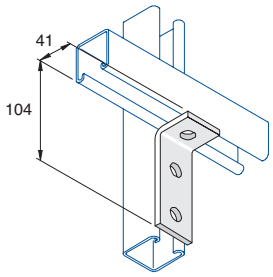
P1068 HG SS

Part No.			
HG	SS		
P1068HG	P1068SS	0.17	25



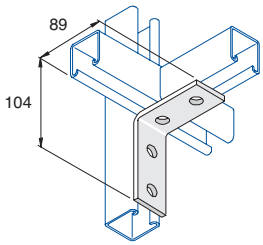
P2484 HG SS

Part No.			
HG	SS		
P2484HG	P2484SS	0.61	10



P1326 HG SS

Part No.			
HG	SS		
P1326HG	P1326SS	0.26	25

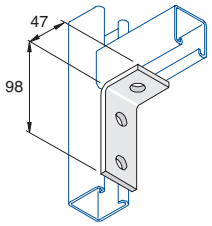


P1325 HG SS

Part No.			
HG	SS		
P1325HG	P1325SS	0.35	25

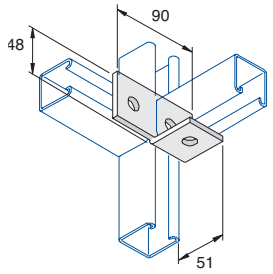
Stated loadings apply to mild steel products only.

90° Angle Fittings



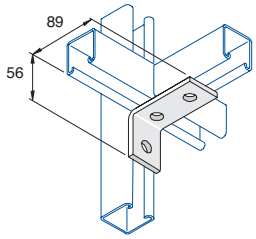
P1346 HG SS

Part No. HG	Part No. SS		
P1346HG	P1346SS	0.26	20



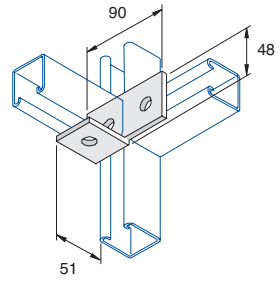
P1037 HG SS

Part No. HG	Part No. SS		
P1037HG	P1037SS	0.26	10



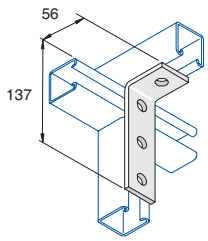
P1458 HG SS

Part No. HG	Part No. SS		
P1458HG	P1458SS	0.26	10



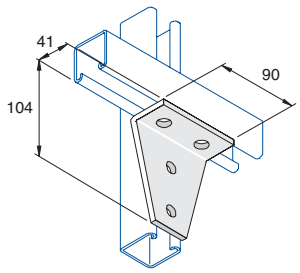
P1038 HG

Part No.	Finish HG		
P1038	HG	0.26	10



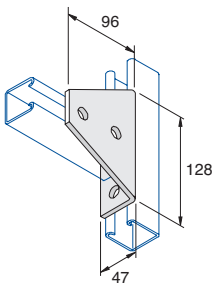
P1278 HG SS

Part No. HG	Part No. SS		
P1278HG	P1278SS	0.26	20



P1359 HG SS

Part No. HG	Part No. SS		
P1359HG	P1359SS	0.48	10

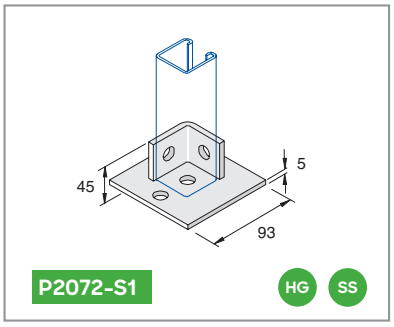


P1727 HG SS

Part No. HG	Part No. SS		
P1727HG	P1727SS	0.70	10

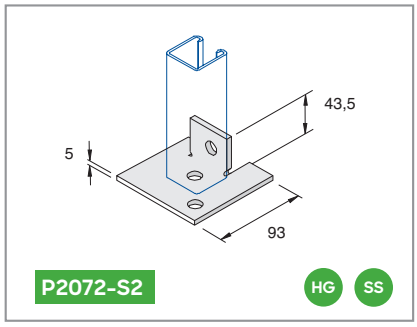
Stated loadings apply to mild steel products only.

Base Fittings & Wing Fittings



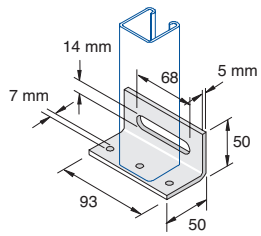
P2072-S1 HG SS

Part No. HG	Part No. SS		
P2072-S1HG	P2072-S1SS	0.48	10



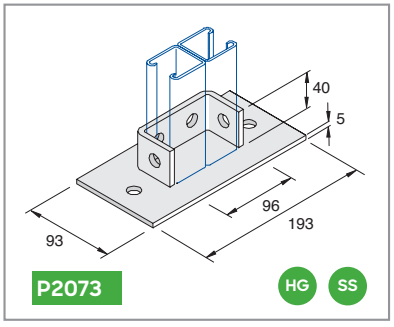
P2072-S2 HG SS

Part No. HG	Part No. SS		
P2072-S2HG	P2072-S2SS	0.33	10



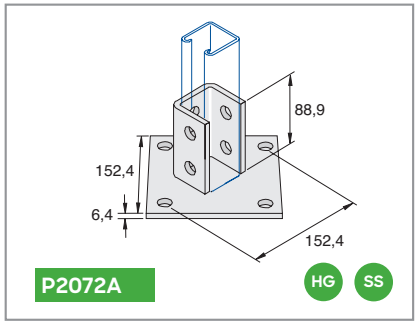
P2072-S3 HG

Part No.	Finish		
P2072-S3	HG	0.30	10



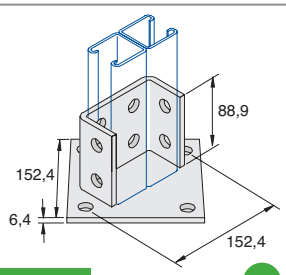
P2073 HG SS

Part No. HG	Part No. SS		
P2073HG	P2073SS	0.98	10



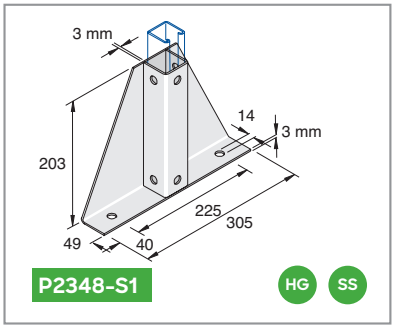
P2072A HG SS

Part No. HG	Part No. SS		
P2072AHG	P2072ASS	1.70	10



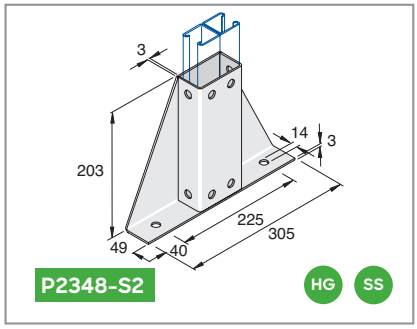
P2073A HG SS

Part No. HG	Part No. SS		
P2073AHG	P2073ASS	1.80	10



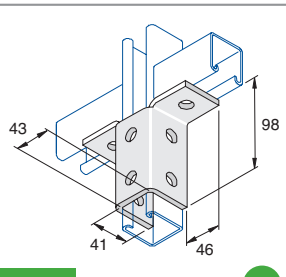
P2348-S1 HG SS

Part No. HG	Part No. SS		
P2348-S1HG	P2348-S1SS	1.95	1



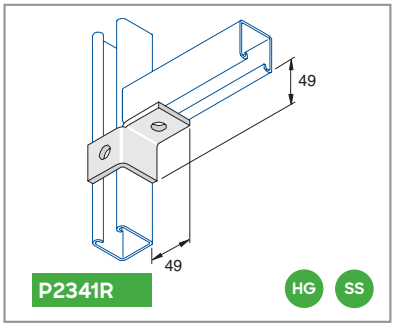
P2348-S2 HG SS

Part No. HG	Part No. SS		
P2348-S2HG	P2348-S2SS	2.15	1



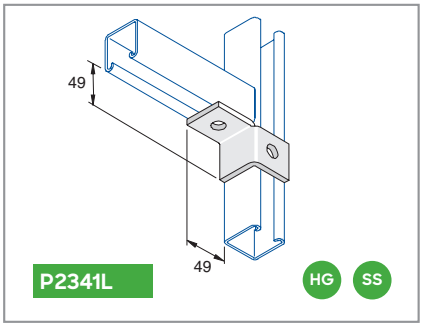
P2346 HG SS

Part No. HG	Part No. SS		
P2346HG	P2346SS	0.68	10



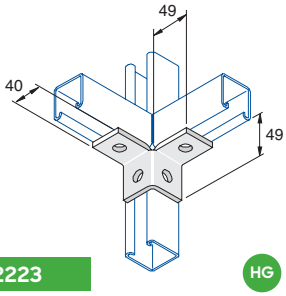
P2341R HG SS

Part No. HG	Part No. SS		
P2341RHG	P2341RSS	0.21	25



P2341L HG SS

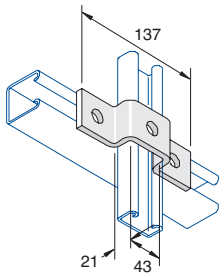
Part No. HG	Part No. SS		
P2341LHG	P2341LSS	0.21	25



P2223 HG SS

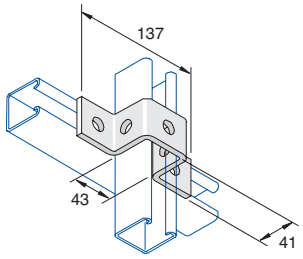
Part No. HG	Part No. SS		
P2223HG	P2223SS	0.35	25

U & Z Fittings



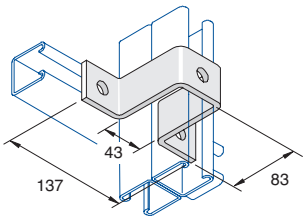
P4047 HG SS

Part No. HG	Part No. SS		
P4047HG	P4047SS	0.32	10



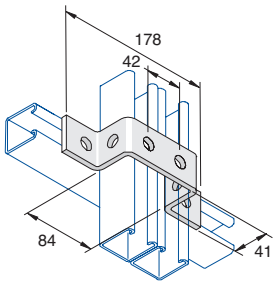
P1047 HG SS

Part No. HG	Part No. SS		
P1047HG	P1047SS	0.40	10



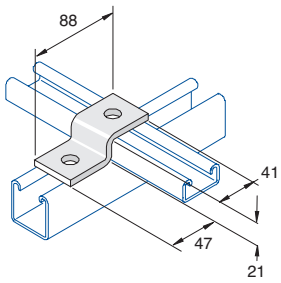
P1737 HG SS

Part No. HG	Part No. SS		
P1737HG	P1737SS	0.58	10



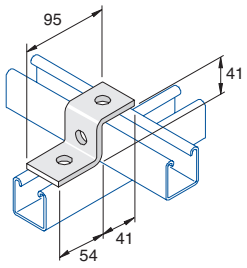
P1043 HG SS

Part No. HG	Part No. SS		
P1043HG	P1043SS	0.48	20



P4045 HG SS

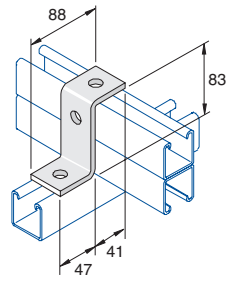
Part No. HG	Part No. SS		
P4045HG	P4045SS	0.21	20



P1045 HG SS

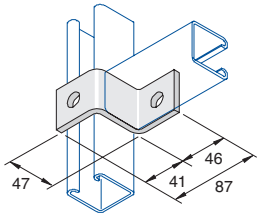
Part No. HG	Part No. SS		
P1045HG	P1045SS	0.25	20

U & Z Fittings & Channel Couplers



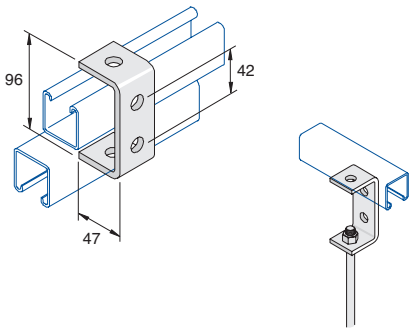
P1453 HG SS

Part No. HG	Part No. SS	W	
P1453HG	P1453SS	0.32	25



P1347 HG SS

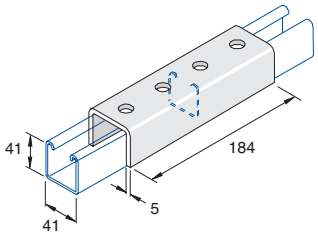
Part No. HG	Part No. SS	W	
P1347HG	P1347SS	0.25	25



P1044 HG SS

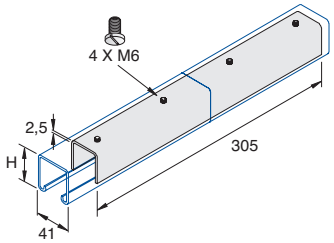
Part No. HG	Part No. SS	W	
P1044HG	P1044SS	0.32	25

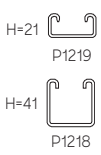
Recommended for continuous beam



P1377 HG SS

Part No. HG	Part No. SS	W	
P1377HG	P1377SS	1.20	10

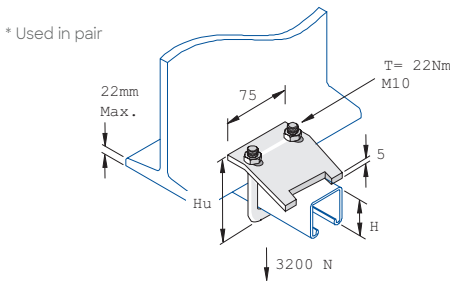




P1218 PG SS

Part No. PG	Part No. SS	W	
P1218PG	P1218SS	0.56	10

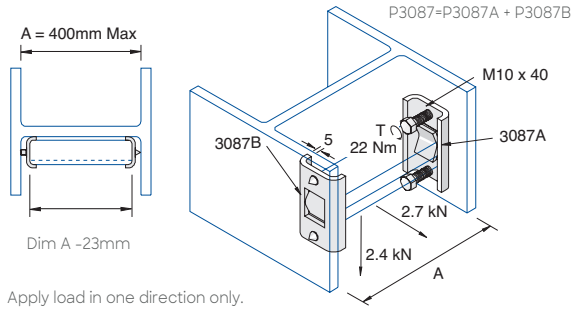
Beam Clamps



Loadings are per beam clamp and used in pairs.
Mild steel u bolts are zinc plated.

P2785 - P2787 HG SS

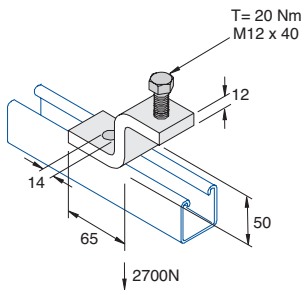
Part No. HG	Part No. SS	H (mm)	Hu (mm)		
P2785HG	P2785SS	21-41	86	0.31	20
P2786HG	P2786SS	62-83	127	0.35	20
P2787HG	n/a	124-164	209	0.43	20



Apply load in one direction only.
Mild steel cone pointed screws are zinc plated.

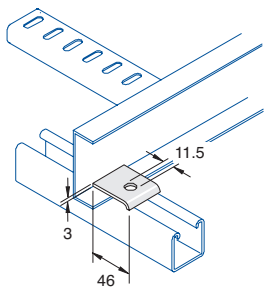
P3087 HG SS

Part No. HG	Part No. SS		
P3087HG	P3087SS	0.67	10



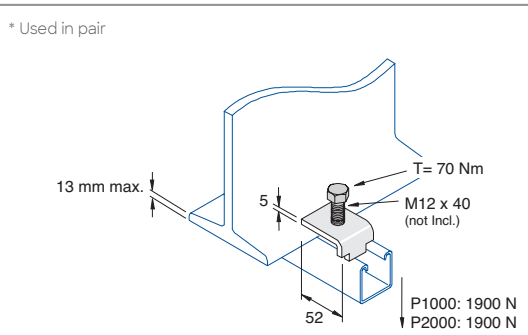
P1983 HG SS

Part No. HG	Part No. SS		
P1983HG	P1983SS	0.39	10



P1386-S1 ZP

Part No.	Finish ZP		
P1386-S1	·		20



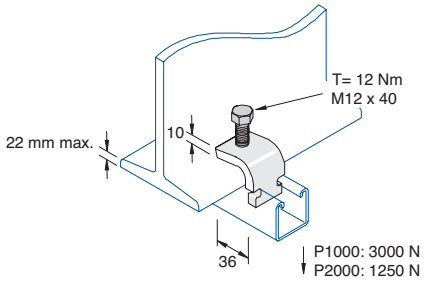
P1386 HG SS

Part No. HG	Part No. SS		
P1386HG	P1386SS	0.042	20

Stated loadings apply to mild steel products only.

Beam Clamps

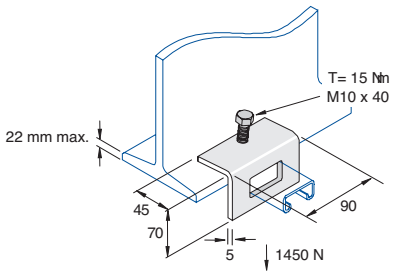
* Used in pair



P2489 HG

Part No.	Finish		
	HG		
P2489	.		

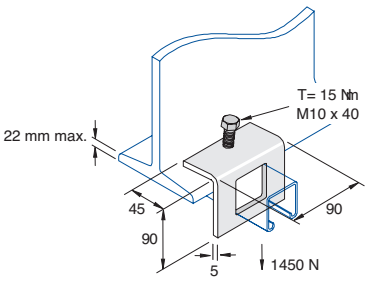
* Used in pair



P1796-A HG SS

Part No.			
HG	SS		
P1796-AHG	P1796-ASS	0.39	10

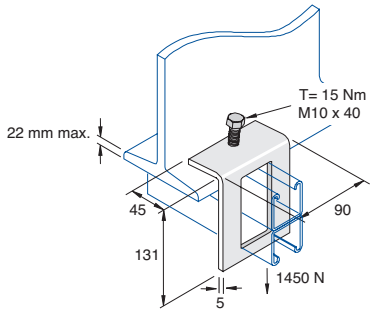
* Used in pair



P1796 HG SS

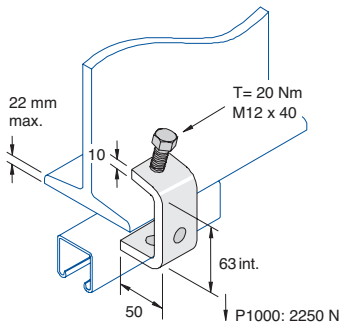
Part No.			
HG	SS		
P1796HG	P1796SS	0.39	10

* Used in pair



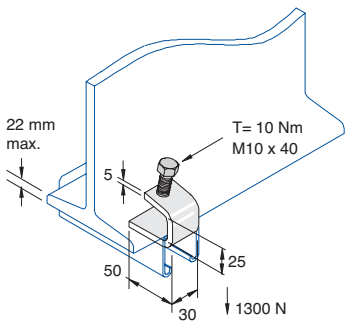
P1796-B HG SS

Part No.			
HG	SS		
P1796-BHG	P1796-BSS	0.50	8



P1271 HG SS

Part No.			
HG	SS		
P1271HG	P1271SS	0.043	10



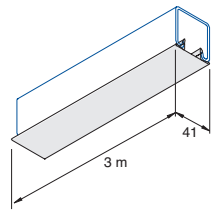
P1272 HG SS

Part No.			
HG	SS		
P1272HG	P1272SS	0.13	50

Stated loadings apply to mild steel products only.

Channel Fittings

Steel

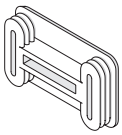


P1184-F

PG

Part No.		
P1184-F	1.07	1

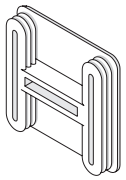
PVC



P3 END CAP

Part No. Blue	Part No. White	Part No. Black		/100	
139 21 98	139 21 96	139 21 97	41x21	0.3	100

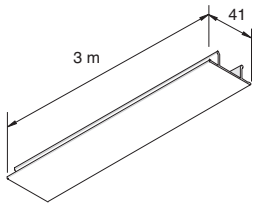
PVC



P1 END CAP

Part No. Blue	Part No. White	Part No. Black		/100	
139 41 98	139 41 96	139 41 97	41x41	0.5	100

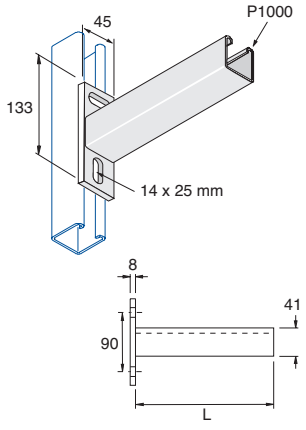
PVC



P1184-P

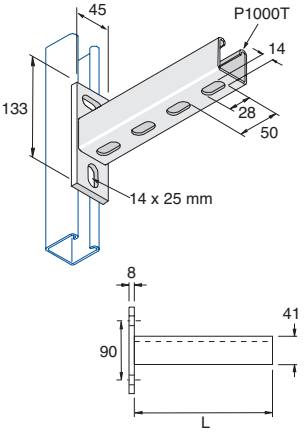
Part No.	Colour		
P1184-PW	White	0.48	1
P1184-PB	Black	0.48	1

Cantilever Arms



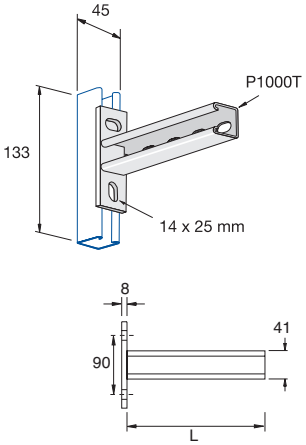
P2663 HG SS

Part No.	W	L (mm)	L	F1 L	F1 F2 F2 L	F3 F3 F3 L
P2663/150HG	0.77	150	6.20 kN	3.10 kN	3.10 kN	2.06 kN
P2663/300HG	1.20	300	3.20 kN	1.60 kN	1.60 kN	1.06 kN
P2663/450HG	1.63	450	2.15 kN	1.07 kN	1.07 kN	0.71 kN
P2663/600HG	2.07	600	1.62 kN	0.81 kN	0.81 kN	0.54 kN
P2663/750HG	2.50	750	1.30 kN	0.65 kN	0.65 kN	0.43 kN
P2663/150SS	0.77	150	6.20 kN	3.10 kN	3.10 kN	2.06 kN
P2663/300SS	1.20	300	3.20 kN	1.60 kN	1.60 kN	1.06 kN
P2663/450SS	1.63	450	2.15 kN	1.07 kN	1.07 kN	0.71 kN
P2663/600SS	2.07	600	1.62 kN	0.81 kN	0.81 kN	0.54 kN
P2663/750SS	2.50	750	1.30 kN	0.65 kN	0.65 kN	0.43 kN



P2663T HG SS

Part No.	W	L (mm)	L	F1 L	F1 F2 F2 L	F3 F3 F3 L
P2663T/150HG	0.75	150	6.12 kN	3.06 kN	3.06 kN	2.04 kN
P2663T/300HG	1.16	300	3.06 kN	1.53 kN	1.53 kN	1.02 kN
P2663T/450HG	1.57	450	2.04 kN	1.02 kN	1.02 kN	0.68 kN
P2663T/600HG	1.98	600	1.53 kN	0.76 kN	0.76 kN	0.50 kN
P2663T/750HG	2.39	750	1.22 kN	0.61 kN	0.61 kN	0.40 kN
P2663T/150SS	0.75	150	6.12 kN	3.06 kN	3.06 kN	2.04 kN
P2663T/300SS	1.16	300	3.06 kN	1.53 kN	1.53 kN	1.02 kN
P2663T/450SS	1.57	450	2.04 kN	1.02 kN	1.02 kN	0.68 kN
P2663T/600SS	1.98	600	1.53 kN	0.76 kN	0.76 kN	0.50 kN
P2663T/750SS	2.39	750	1.22 kN	0.61 kN	0.61 kN	0.40 kN
P2663T/150ZP	0.75	150	6.12 kN	3.06 kN	3.06 kN	2.04 kN
P2663T/300ZP	1.16	300	3.06 kN	1.53 kN	1.53 kN	1.02 kN
P2663T/450ZP	1.57	450	2.04 kN	1.02 kN	1.02 kN	0.68 kN
P2663T/600ZP	1.98	600	1.53 kN	0.76 kN	0.76 kN	0.50 kN
P2663T/750ZP	2.39	750	1.22 kN	0.61 kN	0.61 kN	0.40 kN



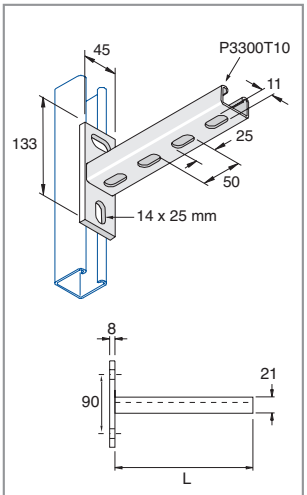
P2668T HG SS

Part No.	W	L (mm)	L	F1 L	F1 F2 F2 L	F3 F3 F3 L
P2668T/150HG	0.75	150	6.20 kN	3.10 kN	3.10 kN	2.06 kN
P2668T/300HG	1.16	300	3.20 kN	1.60 kN	1.60 kN	1.06 kN
P2668T/450HG	1.57	450	2.15 kN	1.07 kN	1.07 kN	0.71 kN
P2668T/600HG	1.98	600	1.62 kN	0.81 kN	0.81 kN	0.54 kN
P2668T/150SS	0.75	150	6.20 kN	3.10 kN	3.10 kN	2.06 kN
P2668T/300SS	1.16	300	3.20 kN	1.60 kN	1.60 kN	1.06 kN
P2668T/450SS	1.57	450	2.15 kN	1.07 kN	1.07 kN	0.71 kN
P2668T/600SS	1.98	600	1.62 kN	0.81 kN	0.81 kN	0.54 kN

Loadings indicated are only applicable when 2 fixings per cantilever arms are used.
Stated loadings apply to mild steel products only.

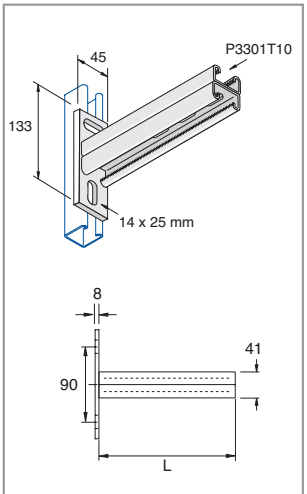
Cantilever Arms

Part No.	Finish	L (mm)	L	F1 L	F1 L	F2 F2 L	F3 F3 F3 L
P2633T/150HG	HG	150	1.94 kN	0.97 kN	0.97 kN	0.64 kN
P2633T/300HG	HG	300	1.00 kN	0.50 kN	0.50 kN	0.33 kN
P2633T/450HG	HG	450	0.67 kN	0.33 kN	0.33 kN	0.22 kN
P2633T/150SS	SS	150	1.94 kN	0.97 kN	0.97 kN	0.64 kN
P2633T/300SS	SS	300	1.00 kN	0.50 kN	0.50 kN	0.33 kN
P2633T/450SS	SS	450	0.67 kN	0.33 kN	0.33 kN	0.22 kN



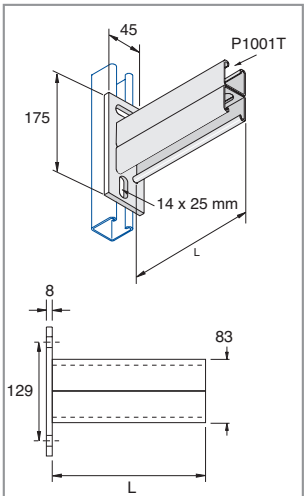
P2633T HG SS

Part No.	Finish	W	L (mm)	L	F1 L	F1 L	F2 F2 L	F3 F3 F3 L
P2631T/150HG	HG	0.87	150	5.95 kN	2.97 kN	2.97 kN	1.98 kN
P2631T/300HG	HG	1.40	300	3.07 kN	1.53 kN	1.53 kN	1.02 kN
P2631T/450HG	HG	1.93	450	2.06 kN	1.03 kN	1.03 kN	0.68 kN
P2631T/600HG	HG	2.46	600	1.56 kN	0.78 kN	0.78 kN	0.52 kN
P2631T/750HG	HG	2.99	750	1.25 kN	0.62 kN	0.62 kN	0.41 kN
P2631T/150SS	SS	0.87	150	5.95 kN	2.97 kN	2.97 kN	1.98 kN
P2631T/300SS	SS	1.40	300	3.07 kN	1.53 kN	1.53 kN	1.02 kN
P2631T/450SS	SS	1.93	450	2.06 kN	1.03 kN	1.03 kN	0.68 kN
P2631T/600SS	SS	2.46	600	1.56 kN	0.78 kN	0.78 kN	0.52 kN
P2631T/750SS	SS	2.99	750	1.25 kN	0.62 kN	0.62 kN	0.41 kN



P2631T HG SS

Part No.	Finish	W	L (mm)	L	F1 L	F1 L	F2 F2 L	F3 F3 F3 L
P2665T/150HG	HG	1.44	150	8.82 kN	4.41 kN	4.41 kN	2.94 kN
P2665T/300HG	HG	2.21	300	6.47 kN	3.23 kN	3.24 kN	2.15 kN
P2665T/450HG	HG	3.09	450	4.31 kN	2.15 kN	2.15 kN	1.43 kN
P2665T/600HG	HG	3.72	600	3.23 kN	1.61 kN	1.61 kN	1.07 kN
P2665T/750HG	HG	4.73	750	2.58 kN	1.29 kN	1.29 kN	0.86 kN
P2665T/150SS	SS	1.44	150	8.82 kN	4.41 kN	4.41 kN	2.94 kN
P2665T/300SS	SS	2.21	300	6.47 kN	3.23 kN	3.24 kN	2.15 kN
P2665T/450SS	SS	3.09	450	4.31 kN	2.15 kN	2.15 kN	1.43 kN
P2665T/600SS	SS	3.72	600	3.23 kN	1.61 kN	1.61 kN	1.07 kN
P2665T/750SS	SS	4.73	750	2.58 kN	1.29 kN	1.29 kN	0.86 kN

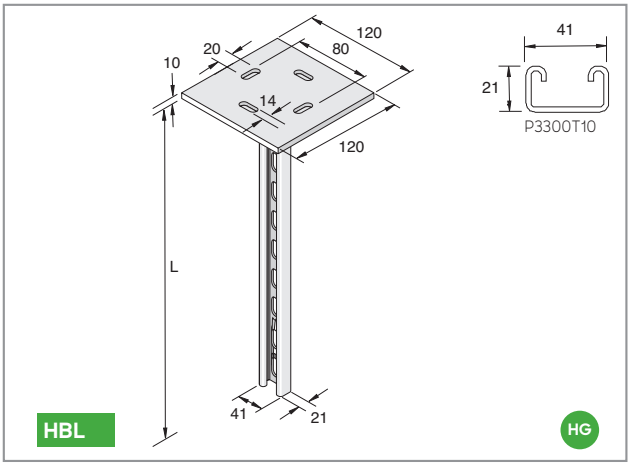


P2665T HG SS

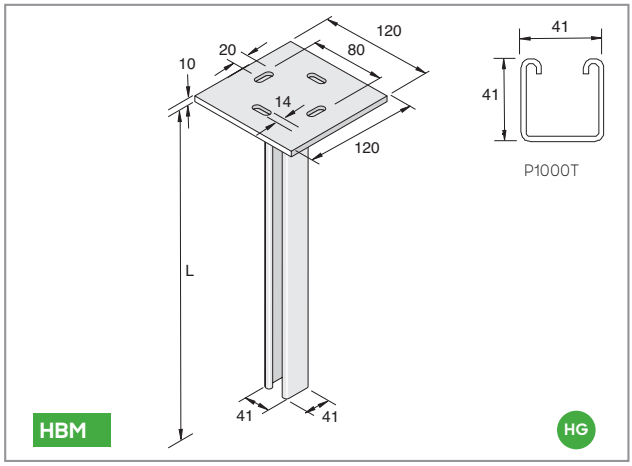
Loadings indicated are only applicable when 2 fixings per cantilever arms are used.

Stated loadings apply to mild steel products only.

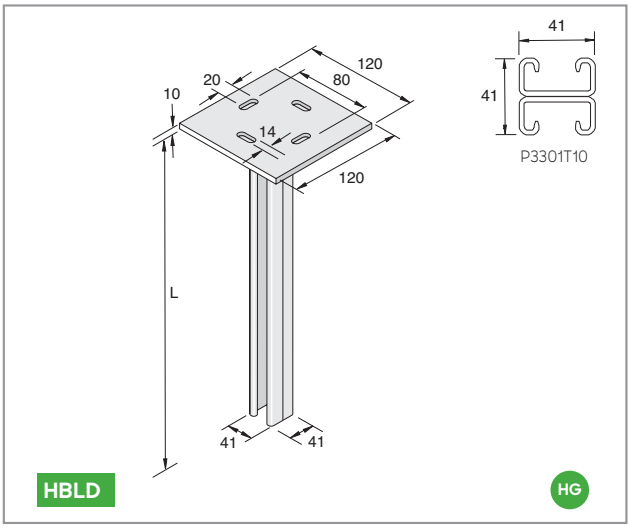
Cantilever Arms



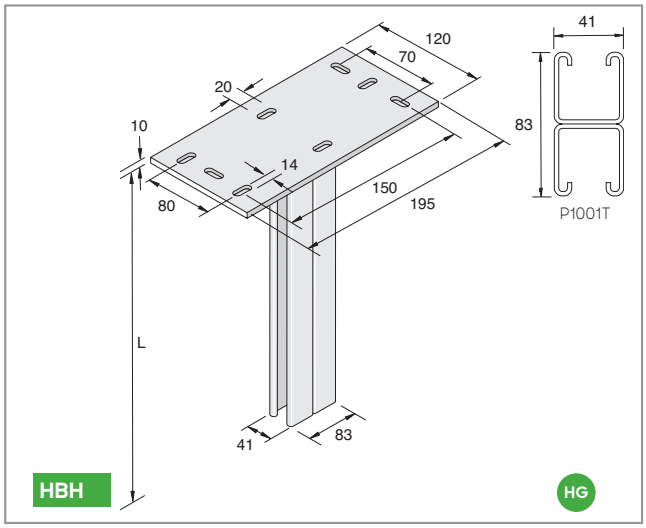
Part No.	Finish	L (mm)	
HBL/500HG	HG	525	2.00
HBL/750HG	HG	775	2.44
HBL/1000HG	HG	1025	2.88
HBL/1250HG	HG	1275	3.32



Part No.	Finish	L (mm)	
HBM/500HG	HG	525	2.51
HBM/750HG	HG	775	3.19
HBM/1000HG	HG	1025	3.88
HBM/1250HG	HG	1275	4.30



Part No.	Finish	L (mm)	
HBLD/500HG	HG	525	2.93
HBLD/750HG	HG	775	3.81
HBLD/1000HG	HG	1025	4.70
HBLD/1250HG	HG	1275	5.58
HBLD/1500HG	HG	1525	6.46
HBLD/2000HG	HG	2025	8.23

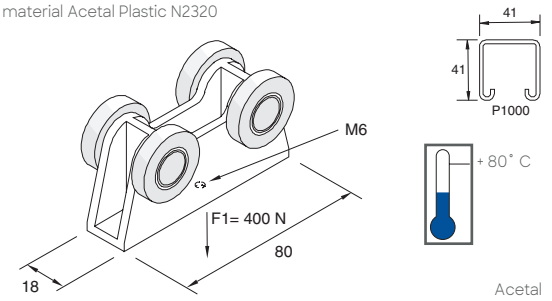


Part No.	Finish	L (mm)	
HBH/500HG	HG	525	4.60
HBH/750HG	HG	775	5.97
HBH/1000HG	HG	1025	7.33
HBH/1250HG	HG	1275	8.70
HBH/1500HG	HG	1525	10.07
HBH/2000HG	HG	2025	12.80

Fluorescent Lighting Supports & Fittings

Channel Trolley Assemblies

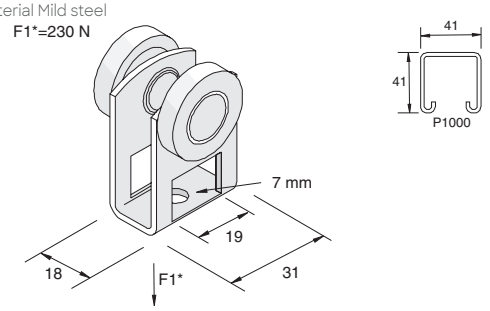
* Roller material Acetal Plastic N2320



Acetal Based Plastic Natural

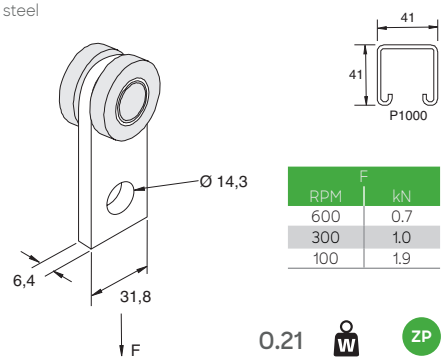
P2750/1 0.22 W

* Roller material Mild steel



P2749 0.10 W ZP

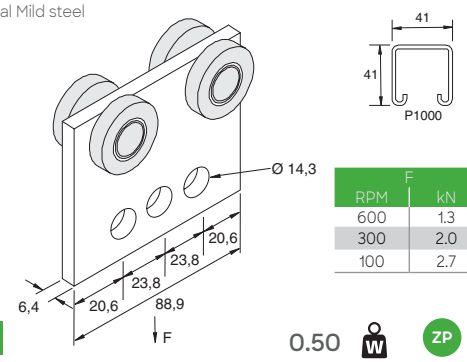
* Roller material Mild steel



F	
RPM	kN
600	0.7
300	1.0
100	1.9

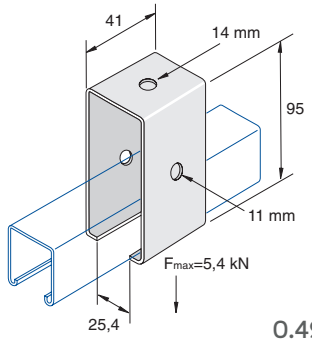
P2949 0.21 W ZP

* Roller material Mild steel

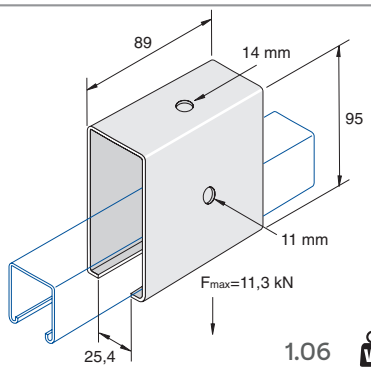


F	
RPM	kN
600	1.3
300	2.0
100	2.7

P2950 0.50 W ZP

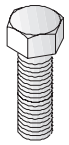


P1834 0.49 W HG



P1834A 1.06 W HG

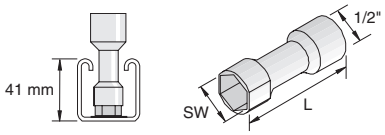
Nuts, Bolts & Washers



B ZP

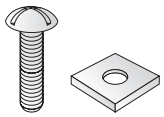
ZP	→‖← mm	⇆ mm	
B6.20	M6	20	100
B6.30	M6	30	100
B8.20	M6	20	100
B8.30	M6	30	100
B8.40	M6	40	100
B8.50	M6	50	100
B8.70	M6	70	100
B10.20	M6	20	100
B10.30	M6	30	100
B10.40	M6	40	100
B10.80	M6	80	100
B12.20	M6	20	100
B12.30	M6	30	100
B12.40	M6	40	100
B12.50	M6	50	100

Max Torque 30Nm



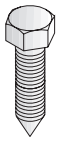
CHANNEL SOCKET

SIZE	Part No.
M10	12AF
M12	19AF



ROOFING NUT & BOLT ZP

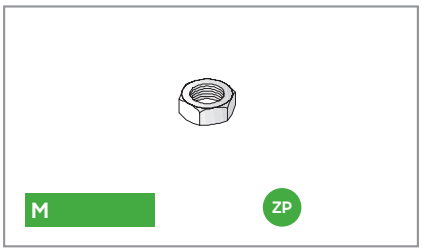
Part No.	Finish	L (mm)	/100	
M6x12RB	ZP	12	1.0	100
M6x16RB	ZP	16	1.0	100
M6x20RB	ZP	20	1.0	100
M6x25RB	ZP	25	1.0	100
M6x30RB	ZP	30	1.0	100
M6x40RB	ZP	40	1.0	100
M6x50RB	ZP	50	1.0	100
M6x60RB	ZP	60	1.0	100



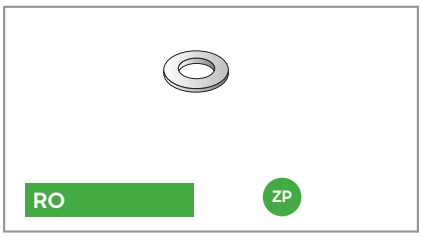
CONE-POINTED SCREW ZP

Part No.	Finish	/100	
M10x40CP	ZP	2.5	100
M12x40CP	ZP	3.9	100

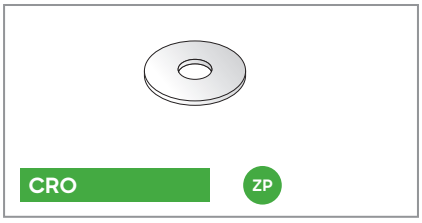
Nuts, Bolts & Washers



ZP	→‖← mm	
M6	M6	100
M8	M8	100
M10	M10	100
M12	M12	100

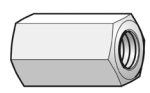


ZP	→‖← mm	
RO4	M4	100
RO6	M6	100
RO8	M8	100
RO10	M10	100
RO12	M12	100



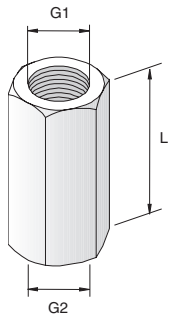
ZP	→‖← mm	
CRO6	M6	100
CRO8	M8	100
CRO10	M10	100
CRO12	M12	100

Threaded Rod Connectors



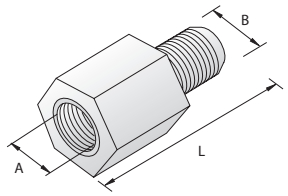
VM6334 ZP

ZP	→‖← mm	
VM6	M6	50
VM8	M8	50
VM10	M10	50
VM12	M12	50



REDUCING ROD CONNECTOR ZP

Part No.	Finish	G1	G2	SW mm	L mm	
SPM8M10ZP	ZP	M8	M10	13	30	50
SPM10M12ZP	ZP	M10	M12	17	30	50

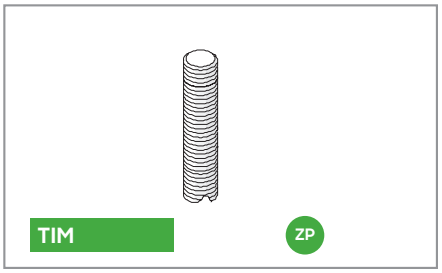


ADAPTER ZP

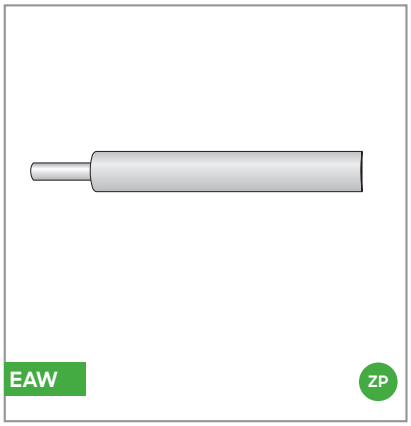
Part No.	Finish	A	B	SW mm	L mm	
310810ZP	ZP	M8	M10	13	21	50
310812ZP	ZP	M8	M12	13	23	50
311008ZP	ZP	M10	M8	13	23	50
311012ZP	ZP	M10	M12	13	23	50
311016ZP	ZP	M10	M16	19	32	50
311208ZP	ZP	M12	M8	17	23	50
311210ZP	ZP	M12	M10	17	25	50
311216ZP	ZP	M12	M16	19	32	50
311610ZP	ZP	M16	M10	24	32	50
311612ZP	ZP	M16	M12	24	32	50

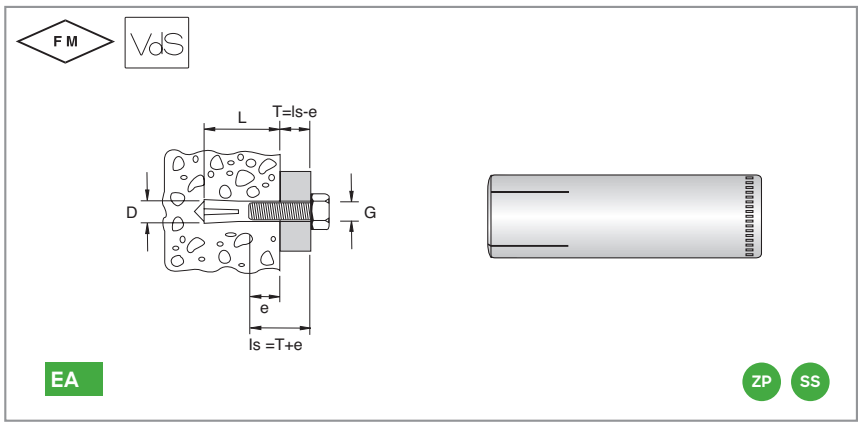
Threaded Rod & Studs

ZP	→||← mm	⇆ mm	
TIM6	M6	2000	100
TIM8	M8	2000	50
TIM10	M10	2000	50
TIM12	M12	2000	30



Non Drill Anchors



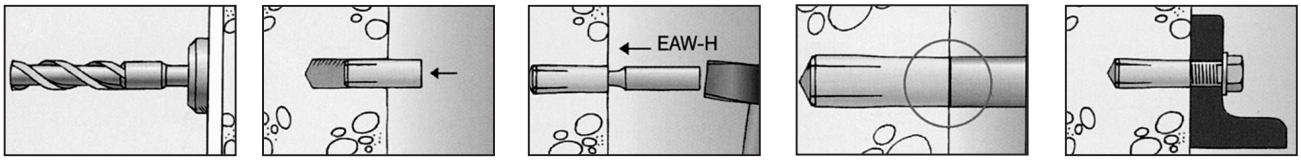


Part No.	Part No.
EAWH6	EAM6
EAWH8	EAM8
EAWH8x40	EAM8x40
EAWH10	EAM10
EAWH12	EAM12
EAWH16	EAM16
EAWH20	EAM20

Part No.	Finish ZP	Class	D mm	L mm	ø mm	G	e (mm) min	e (mm) max		Approval:	
EAM6ZP	ZP	-	8	25	8	M6	6	11	100		
EAM8ZP	ZP	1.8kN*	10	30	10	M8	8	13	100	VdS	
EAM8x40ZP	ZP	3kN*	10	40	10	M8	8	13	50	VdS	FM
EAM10ZP	ZP	3.6kN*	12	40	12	M10	10	17	50	VdS	FM
EAM12ZP	ZP	5.7kN*	15	50	15	M12	12	18	25	VdS	FM
EAM16ZP	ZP	7.4kN*	20	65	20	M16	16	21	20	VdS	FM
EAM20ZP	ZP	11.3kN*	25	80	25	M20	20	30	10	VdS	FM

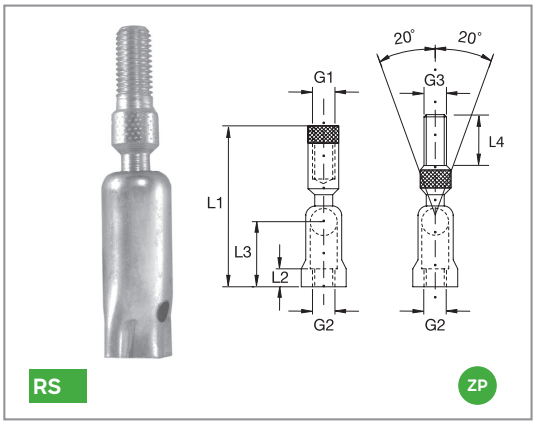
Part No.	Finish SS	Class	D mm	L mm	ø mm	G	e (mm) min	e (mm) max		Approval:	
EAM6SS	SS	-	8	25	8	M6	6	11	100		
EAM8SS	SS	-	10	30	10	M8	8	13	100		
EAM10SS	SS	3.0kN*	12	40	12	M10	10	17	50	VdS	FM
EAM12SS	SS	3.6kN*	15	50	15	M12	12	18	25		FM
EAM16SS	SS	5.7kN*	20	65	20	M16	16	21	20		FM

* Loading data is applicable for concrete pressure zone only (B=25 N/mm²)



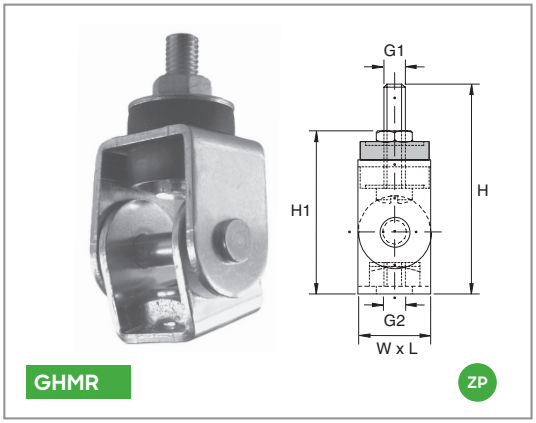
Fixings

Rod Swivel



Part No.	Finish	G1	G2	G3	L1 mm	L2 mm	L3 mm	L4 mm	Fmax N		
1240803	ZP		M8	M8	74	8	30	15	2500	.03	100
1241003	ZP		M10	M10	74	8	30	15	2500	.04	100
1241203	ZP	M12	M12		96	15	53		5000	.15	100
6642008	ZP		M8	M8	49	10	20	15	3100	.03	50
6642010	ZP		M10	M10	49	13	23	15	3100	.03	50

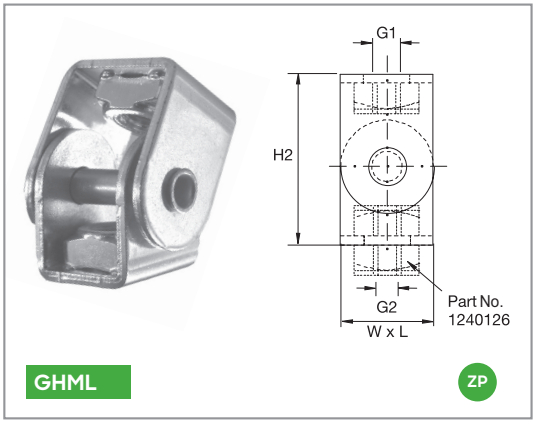
Adjustable Angle Fitting with Sound Insulation



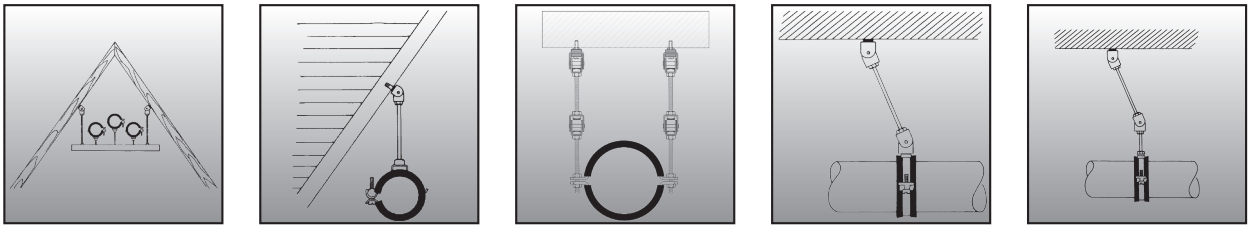
Part No.	Finish ZP	G1	G2	H2 mm	W x L mm	H1 mm	H mm	Fmax kN		
1240886	ZP	M8	M8	45	36 x 25	60	70	5.7	.13	100
1248106	ZP	M8	M10	45	36 x 25	60	70	5.7	.13	100

Sound insulation tested
Schallschutz geprüft
Testeé isophonique

Sound insulation value on average 22 dB (A)

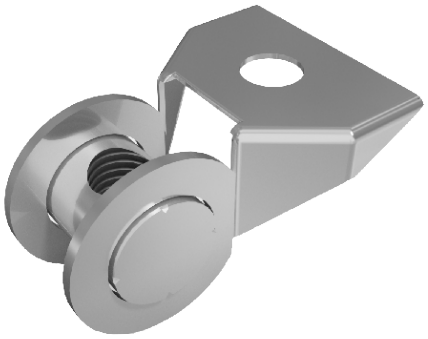


Part No	Finish ZP	G1	G2	H2 mm	W x L mm	Fmax(kN) 90°	135°	180°		
1240086	ZP	M8	M8	45	36 x 25	3.5	4.5	5.5	.11	100
1240106	ZP	M10	M10	45	36 x 25	3.5	4.5	5.5	.11	100
1240126	ZP	M12	M12	64	36 x 25	3.5	4.5	5.5	.12	100



Universal Hinge

UGM10 Universal Hinge Mount
The perfect solution for suspending threaded rod vertically from an angled roof or ceiling.



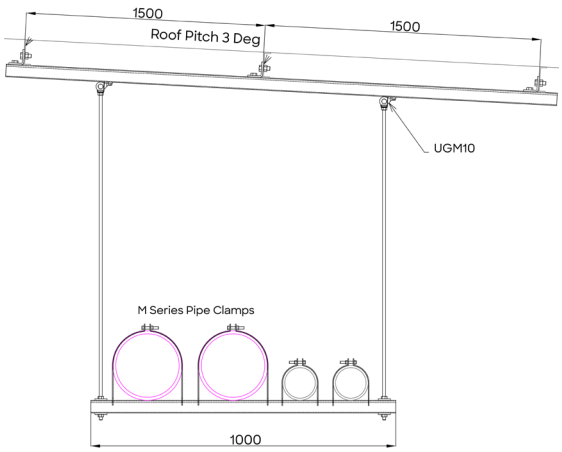
Features & Benefits

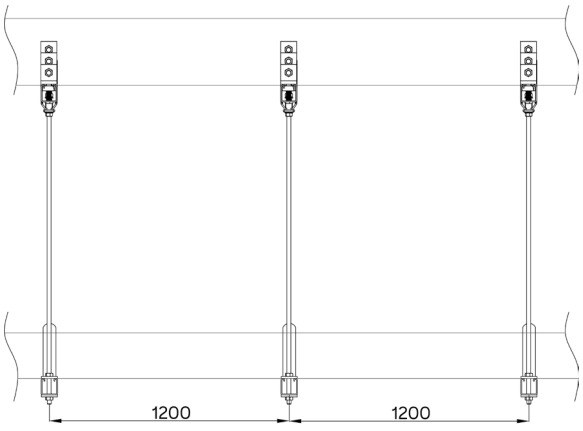
- Can be fixed directly to roof sections, or attached to Atkore Unistrut channel mounted across purlins/beams
- Accepts all M10 ZP threaded products (including threaded rod)
- Fully adjustable through 135 degrees to suit any mounting application

Technical Information

- Mass: 10.8kgs/100
- Working load with a safety factor of 3 is 3.0kN or 300kg
- Tighten threaded rod into position using the serrated nut and locking plate (both supplied)
- Threaded rod supplied separately

Application Diagram

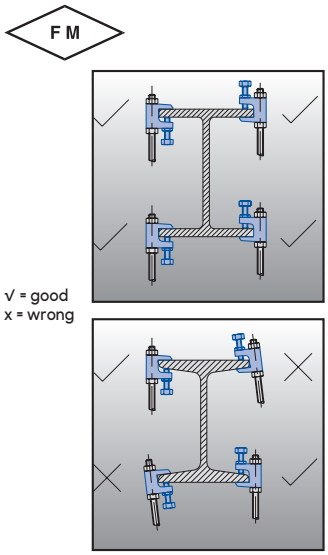


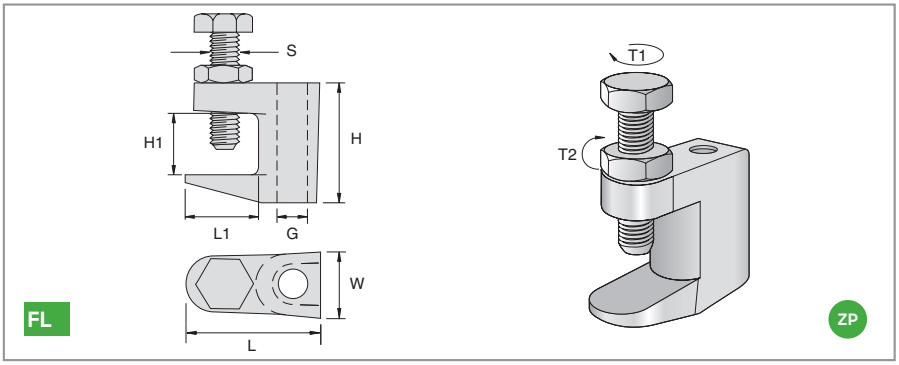


SIDE REVIEW

Beam Clamps

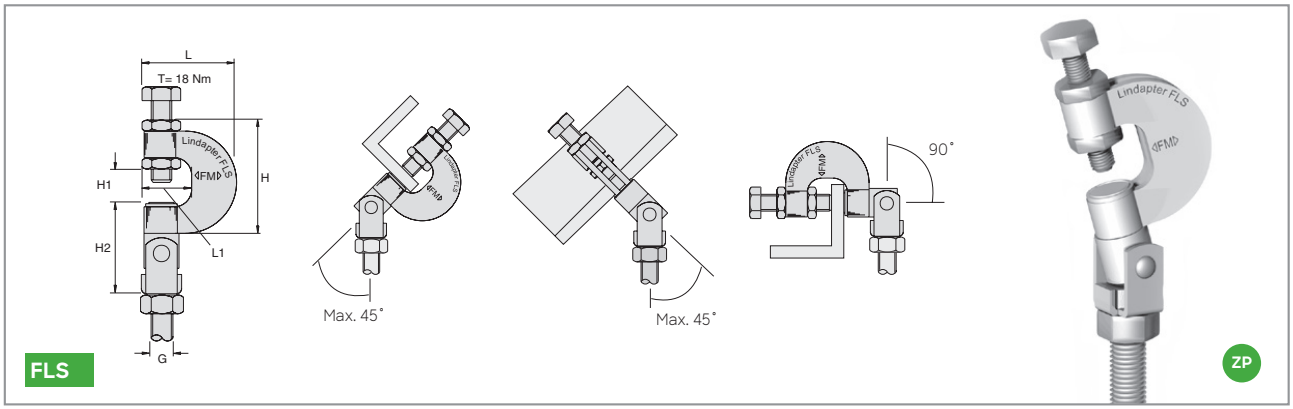
Beam Clamps

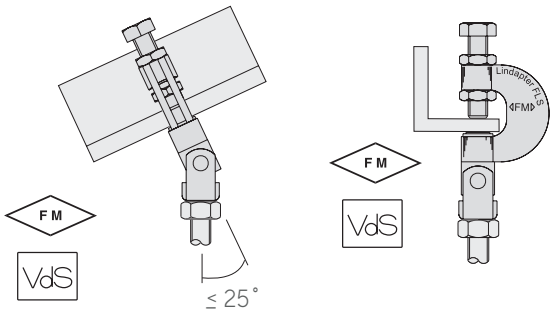


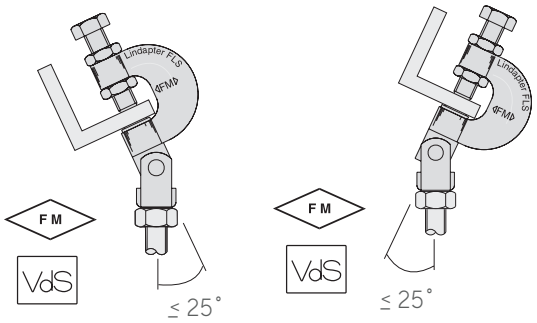


Part No.	Finish	Fmax kN	T1 Nm	T2 Nm	L mm	H mm	W mm	H1 mm	L1 mm	G mm	S mm		Approval:
FL16T	ZP	1.1	8	11	36	35	19	17	20	M6	8	50	
FL18D	ZP	1.1	8	11	36	35	19	17	20	9	8	50	
FL18T	ZP	1.1	8	11	36	35	19	17	20	M8	8	50	
FL201D	ZP	2.4	8	22	45	40	22	19	22	11	10	50	FM
FL201T	ZP	2.4	8	22	45	40	22	19	22	M10	10	50	FM
F312D	ZP	3.1	8	22	50	46	25	23	28	13	10	25	FM
F312T	ZP	3.1	8	22	50	46	25	23	28	M12	10	25	FM

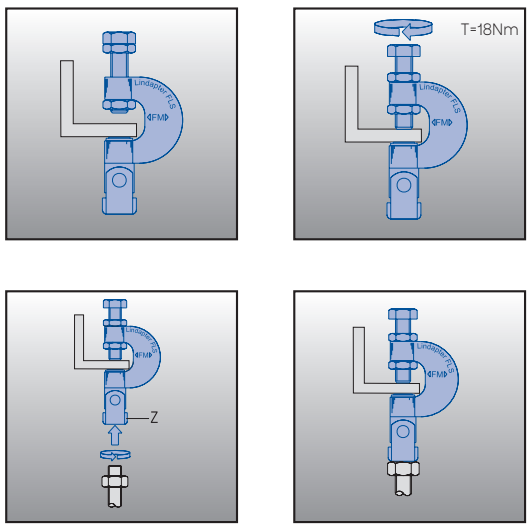
Articulated Beam Clamps







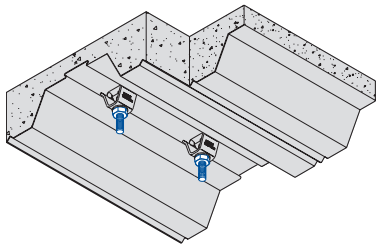
Part No.	Finish ZP	G	Fmax (<25°) kN	Fmax (>25°) kN	T Nm	H2 mm	L mm	H mm	H1 mm	L1 mm	Approval:	
FLS08	ZP	M8	2.5	1.5	18	55	53	58	17	27	VdS	
FLS10	ZP	M10	2.5	1.5	18	55	53	58	17	27	VdS	FM

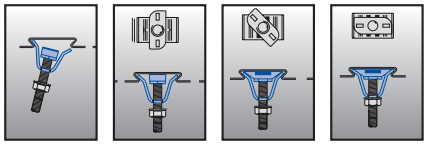


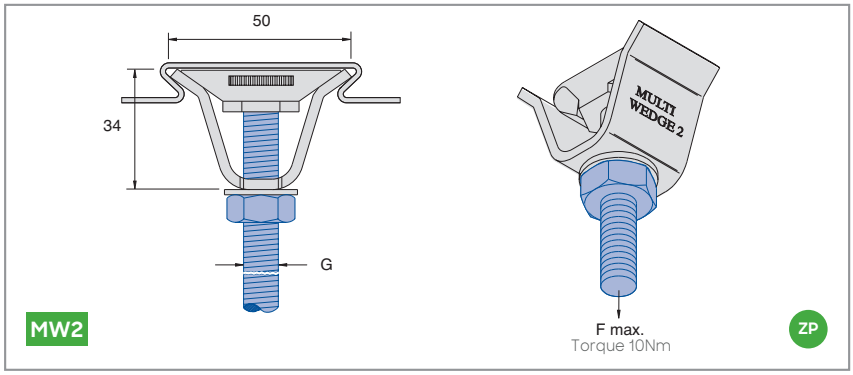
Fixings

Deck and Purlin Fixings

WARD MULTIDECK 60

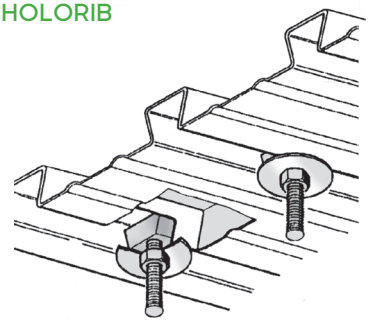


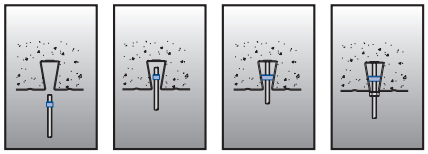


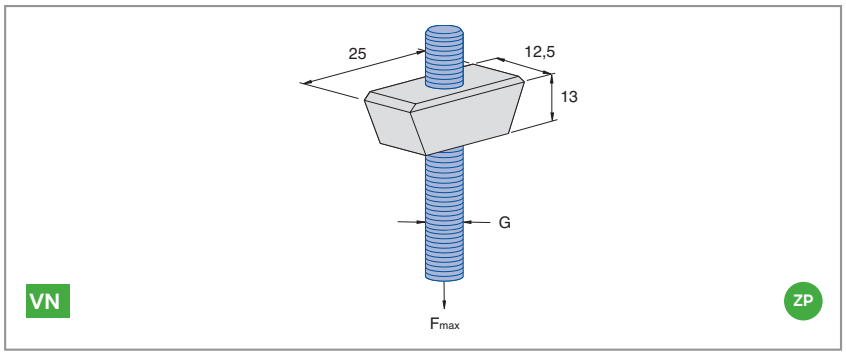


Part No.	Finish	G	Fmax kN		
MW06	ZP	M6	1.47	0.10	50
MW08	ZP	M8	1.47	0.10	50
MW10	ZP	M10	1.47	0.10	50

HOLORIB







Part No.	Finish	G	Fmax kN		
VN04	ZP	M4	0.86	0.02	500
VN05	ZP	M5	1.4	0.02	500
VN06	ZP	M6	1.8	0.02	500
VN08	ZP	M8	2.0	0.02	500
VN10	ZP	M10	2.1	0.02	500

Loads quoted are subject to the strength of the supporting decking. Suitable for decking with a 15° tapered slot.

Atkore™ | BUILDING BETTER TOGETHER

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