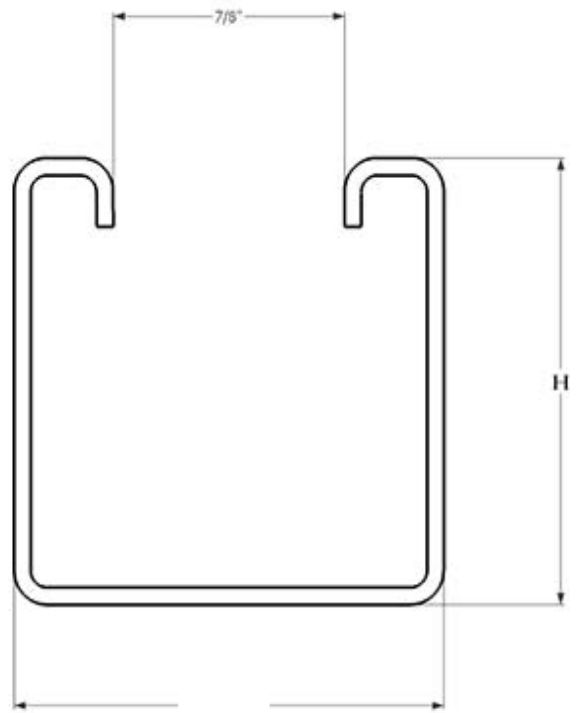
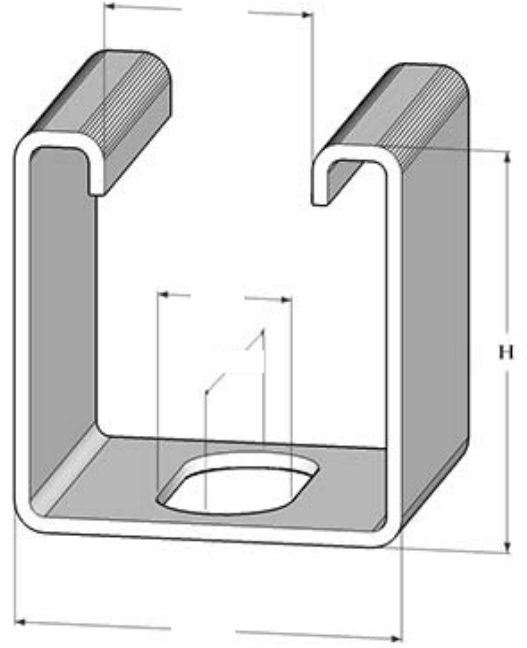


G-STRUT



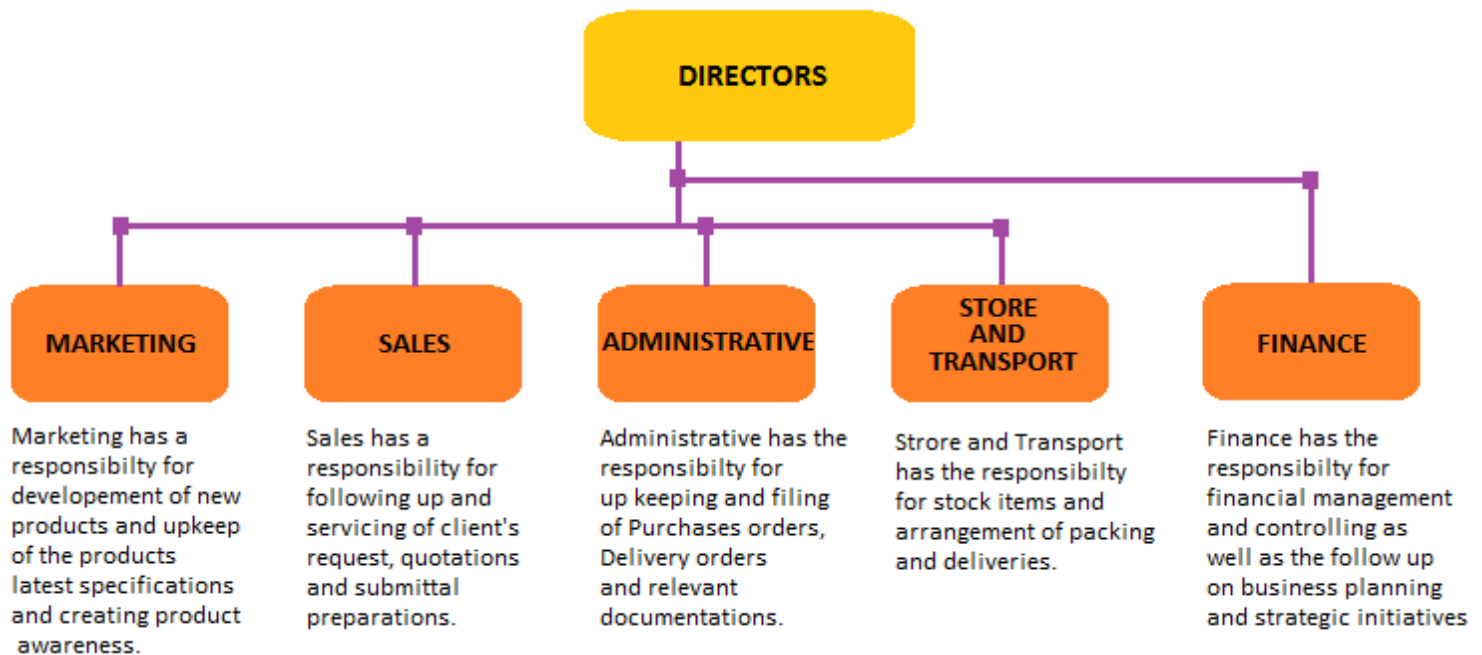
INTRODUCTION

GS Global Metal Pte Ltd was setup in year 2012 with affiliations with HS Metal Pte Ltd to mainly supply Mechanical and Cable management systems to the Mechanical and Electrical market. Whereby HS Metal Pte Ltd, which was established in the year 2009 will concentrate mainly on raw material supplies like Nisshin G.I. Coils, Structural Steel, Ductile Iron Pipes and fittings to the Plumbing and Air-Condition and Mechanical Ventilation services.

With these definitions, we are able to specifically target on the different segments of the construction industry with our experienced workforce and provide our expertise to better serve our clients.

GS Global Metal Pte Ltd is strategically located at the central region of Singapore with a land area of over 5000 square feet which allows us to be a major stockiest of our products and also to ensure prompt responses and delivery services.

ORGANIZATION CHART



PRODUCTS AND SERVICES

- Brand: CTS Cable management systems
 - Cable Trunking and fittings (Standard SS249 and non-standard)
 - Perforated Cable Trays and fittings
 - Cable Ladders and fittings
- Brand: G-Strut Mechanical support systems
 - Strut C-Channels, fittings and accessories
 - Metal Fabrication and customization works



GS GLOBAL METAL PTE LTD
9 UBI LINK SINGAPORE 408549
TEL: (65) 6692 2566 FAX: (65) 6692 2564
EMAIL: sales@gsglobalmetal.com
GST REG. 201219420Z

PRODUCTS INTRODUCTION

A WORLD OF SUPPORT AT YOUR FINGERTIPS..... FLEXIBLE INSTALLATION, WELDESS CONNECTION, REUSEABLE MATERIALS AND SHORT INSTALLATION PERIOD

Welcome to GS Global Metal Pte Ltd G-STRUT General Engineering Catalogue a comprehensive guide to the world's most versatile metal framing system.

From the handy table of contents to the expanded and updated technical data,

Every detail was designed for one purpose:

To Make your Job Easier!

The Following pages contain product drawings as well as descriptive materials and supporting technical information that will help you make the right specifying or buying decision, quickly and effectively.

CONTENTS...

- ▶ **Company Profile**
- ▶ **Products Introduction and Contents**
- ▶ **Materials Specification**
- ▶ **Channels 1-3**
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- ▶ **Combination Channel.....5**
- ▶ **Concrete Insert6**
- ▶ **Cantilever Arms.....7**
- ▶ **General Fittings.....8-13**
 - Flat Plate Fitting
 - Angle Fitting
 - Z Shape Fittings
 - U Shape Fittings
 - Post Base Fittings
 - Wing Shape Fitting
- ▶ **Anti Vibration System.....14**
- ▶ **Beam Clamp/Bracket.....15-19**
- ▶ **Pipe Conduit Clamp and Hanger.....20-27**
- ▶ **Hardware.....28-30**
 - Threaded Rod
 - Steel Rod Coupler
 - Drop in anchor
 - Spring Nut
 - Bolt Nut and Washers

G-STRUTS channels and fittings offers great flexibility in design and construction for a wide range of applications such as Cable supports for the Mechanical and Electrical Services, Power Plants, Service tunnels and various forms of frame work assemblies.

G-STRUTS are available in a range of surface finishing which offers different degrees of corrosion protection for a variety of environments.

MATERIAL SPECIFICATIONS

Mild Steel channels are manufactured using materials complying to BS 1449:1991, BS EN 10149-3 or BS EN 10025-2:2004 (*where applicable*).

Stainless Steel channels are manufactured using materials complying to BS EN 1088-2:2005 – Grade 316 (*Grade 304 also available upon request*).

FINISHES

Hot – Dipped Galvanized

Mild Steels channels are Hot – Dipped Galvanized to BS EN ISO 1461 2009 after manufacture.

Minimum Zinc coating:

- Steel Channel thickness from 1.9mm to 2.5mm – 55 microns (393g/m²)
- Channel Fittings 6mm thickness – 55 microns (393g/m²)

Pre-Galvanized

Channels are manufactured using materials complying to BS EN 10346:2009 – Coating Z275.

Zinc Plated

Fixings: Bolts, Hexagon nuts, screws and washers are manufactured from steel complying to Zinc electroplated to BS EN ISO 2081:2008, BS EN ISO 2082:2008 or BS 7371-12:2008.

Special Coating

Special coatings are also available upon special request for all channels and fittings. Other coatings available are:

- Epoxy powder coated
- Polyester powder coated
- Thermoplastic coated

G-STRUTS mechanical support systems are manufactured in accordance to BS 6946:1988.

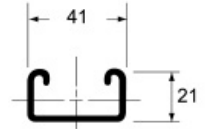
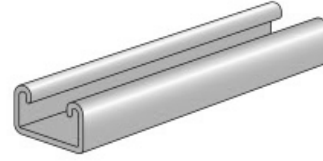
Basis of design and formulation of safety loads:

- Safe loads are calculated in accordance to BS 5950 Part 5:1998 – Code of Practice for Design of Cold Formed Sections
- Minimum Yield Stress (Ys) 280N/mm² accordance to BS EN 6892:2009
- Safety factor of channels, beam loads and corresponding deflections are calculated by the global factor of safety of 1.6.

41x21 (Plain)

GSC-4121

Finishes : HDG, PG, ZP or SS
 Dimension : 41mm X 21mm
 Thickness : 2.5mm
 Length : 3M, 5.8m or 6m

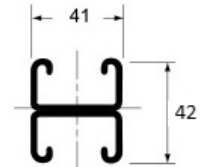
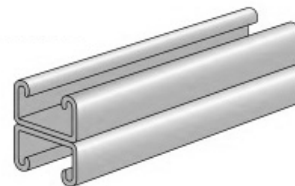


Span or Column Effective Length (mm)	UNIFORMLY DISTRIBUTED LOAD				CONCENTRATED LOAD				AXIAL LOAD CAPACITY	
	Strength Limited Load and Deflection		Serviceable Limited Load (Kg)		Strength Limited Load and Deflection		Serviceable Limited Load (Kg)		Axial Load Applied at the centroid (Kg)	Axial Load Applied at the Face (Kg)
	Load (Kg)	Deflection (mm)	Span/200	Span/360	Load (Kg)	Deflection (mm)	Span/200	Span/360		
500	302	1.96	302	213	151	1.57	151	133	3486	1325
1000	151	7.84	96	53	75	6.23	60	33	2296	873
1500	100	17.52	42	23	50	14.02	26	14		
2000	75	31.15	24	13	37	24.59	15	8		
2500	60	48.68	15	8	30	38.94	9	5		
3000	50	70.1	10	6	25	56.08	6	4		
		AXIS X - X			AXIS Y - Y					
		lxx cm4	Zxx cm3	rxx cm	lyy cm4	Zyy cm3	ryy cm	Area cm2		
		1.20	1.06	0.73	5.37	2.60	1.55	2.23		

41x21 (2pcs Combination)

GSC-4121-2P

Finishes : HDG, PG, ZP or SS
 Dimension : 41mm X 21mm
 Thickness : 2.5mm
 Length : 3M, 5.8m or 6m

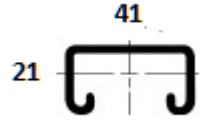


Span or Column Effective Length (mm)	UNIFORMLY DISTRIBUTED LOAD				CONCENTRATED LOAD				AXIAL LOAD CAPACITY	
	Strength Limited Load and Deflection		Serviceable Limited Load (Kg)		Strength Limited Load and Deflection		Serviceable Limited Load (Kg)		Axial Load Applied at the centroid (Kg)	Axial Load Applied at the Face (Kg)
	Load (Kg)	Deflection (mm)	Span/200	Span/360	Load (Kg)	Deflection (mm)	Span/200	Span/360		
500	893	1.22	893	893	446	0.98	446	446	6973	2375
1000	446	4.89	446	252	223	3.91	223	157	4693	1564
1500	297	11	202	112	148	8.77	126	70	3424	1166
2000	223	19.57	113	62	111	15.59	71	39	2729	929
2500	178	30.51	72	40	89	24.41	45	25		
3000	148	43.84	50	27	74	35.07	31	17		
		AXIS X - X			AXIS Y - Y					
		lxx cm4	Zxx cm3	rxx cm	lyy cm4	Zyy cm3	ryy cm	Area cm2		
		5.68	3.13	1.13	10.74	5.20	1.55	4.46		

41x21 (Slotted)

GSC-4121-SL

Finishes : HDG, PG , ZP or SS
 Dimension : 41mm X 21mm
 Thickness : 2.5mm
 Length : 3M, 5.8m or 6m



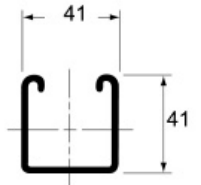
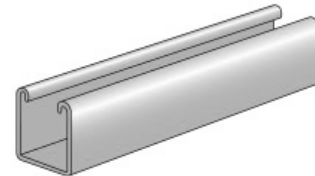
Slot Hole: 28 x 14
 50 on center

Span or Column Effective Length (mm)	UNIFORMLY DISTRIBUTED LOAD				CONCENTRATED LOAD				AXIAL LOAD CAPACITY	
	Strength Limited Load and Deflection		Serviceable Limited Load (Kg)		Strength Limited Load and Deflection		Serviceable Limited Load (Kg)		Axial Load Applied at the centroid (Kg)	Axial Load Applied at the Face (Kg)
	Load (Kg)	Deflection (mm)	Span/200	Span/360	Load (Kg)	Deflection (mm)	Span/200	Span/360		
500	282	2.22	282	176	141	1.77	141	110	3062	1298
1000	141	8.87	79	43	70	7.05	49	27	2044	861
1500	94	19.97	35	19	47	15.97	22	12		
2000	70	35.25	19	10	35	28.2	12	6		
2500	56	55.07	12	6	28	44.06	7	4		
3000	47	79.87	8	4	23	62.54	5	3		
				AXIS X - X			AXIS Y - Y			
				lxx cm4	Zxx cm3	rxx cm	lyy cm4	Zyy cm3	ryy cm	Area cm2
				0.99	0.99	0.73	5.31	2.57	1.68	1.88

41x41 (Plain)

GSC-4141

Finishes : HDG, PG , ZP or SS
 Dimension : 41mm X 41mm
 Thickness : 2.5mm
 Length : 3M, 5.8m or 6m

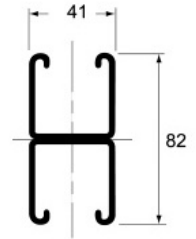
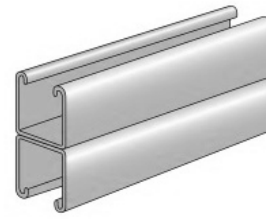


Span or Column Effective Length (mm)	UNIFORMLY DISTRIBUTED LOAD				CONCENTRATED LOAD				AXIAL LOAD CAPACITY	
	Strength Limited Load and Deflection		Serviceable Limited Load (Kg)		Strength Limited Load and Deflection		Serviceable Limited Load (Kg)		Axial Load Applied at the centroid (Kg)	Axial Load Applied at the Face (Kg)
	Load (Kg)	Deflection (mm)	Span/200	Span/360	Load (Kg)	Deflection (mm)	Span/200	Span/360		
500	927	1.00	927	927	463	0.80	463	463	5003	2129
1000	463	3.98	463	322	231	3.18	231	201	3343	1422
1500	309	8.96	258	143	154	7.15	161	89	2510	1068
2000	231	15.88	145	81	115	12.65	90	50	2009	855
2500	185	24.84	93	52	92	19.77	58	32	1674	712
3000	154	35.74	64	35	77	28.59	40	22		
				AXIS X - X			AXIS Y - Y			
				lxx cm4	Zxx cm3	rxx cm	lyy cm4	Zyy cm3	ryy cm	Area cm2
				7.25	3.25	1.49	9.25	4.48	1.69	3.25

41x41 (2pcs Combination)

GSC41412.5

Finishes : HDG, PG , ZP or SS
 Dimension : 41mm X 21mm
 Thickness : 2.5mm,
 Length : 3M, 5.8m or 6m



Span or Column Effective Length (mm)	UNIFORMLY DISTRIBUTED LOAD				CONCENTRATED LOAD				AXIAL LOAD CAPACITY	
	Strength Limited Load and Deflection		Serviceable Limited Load (Kg)		Strength Limited Load and Deflection		Serviceable Limited Load (Kg)		Axial Load Applied at the centroid (Kg)	Axial Load Applied at the Face (Kg)
	Load (Kg)	Deflection (mm)	Span/200	Span/360	Load (Kg)	Deflection (mm)	Span/200	Span/360		
500	2688	0.57	2688	2688	1344	0.46	1344	1344	10007	3511
1000	1344	2.29	1344	1344	672	1.83	672	672	6686	2346
1500	896	5.15	896	724	448	4.12	448	448	5020	1761
2000	672	9.15	672	407	336	7.32	336	254	4018	1410
2500	537	14.29	469	260	268	11.41	269	162	3350	1175
3000	448	20.60	326	181	224	16.48	203	112	--	--
		AXIS X - X			AXIS Y - Y					
		lxx cm4	Zxx cm3	rxr cm	lyy cm4	Zyy cm3	ryy cm	Area cm2		
		36.59	9.42	2.37	18.50	8.96	1.69	6.50		

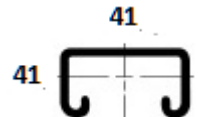
41x41 (Slotted)

GS-4141-SL

Finishes : HDG, PG , ZP or SS
 Dimension : 41mm X 41mm
 Thickness : 2.5mm
 Length : 3M, 5.8m or 6m



Slot Hole: 28 x 14
 50 on center

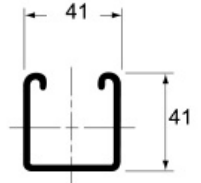
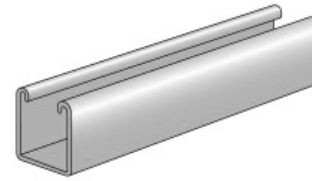


Span or Column Effective Length (mm)	UNIFORMLY DISTRIBUTED LOAD				CONCENTRATED LOAD				AXIAL LOAD CAPACITY	
	Strength Limited Load and Deflection		Serviceable Limited Load (Kg)		Strength Limited Load and Deflection		Serviceable Limited Load (Kg)		Axial Load Applied at the centroid (Kg)	Axial Load Applied at the Face (Kg)
	Load (Kg)	Deflection (mm)	Span/200	Span/360	Load (Kg)	Deflection (mm)	Span/200	Span/360		
500	861	1.09	861	861	430	0.87	430	430	4580	2029
1000	430	4.37	430	272	215	3.50	215	170	3087	1368
1500	287	9.85	218	121	143	7.85	136	75	2327	1031
2000	215	17.48	122	67	107	13.92	76	42	1868	828
2500	172	27.32	78	43	86	21.85	49	27	1560	691
3000	143	39.25	54	30	71	31.18	34	18		
		AXIS X - X			AXIS Y - Y					
		lxx cm4	Zxx cm3	rxr cm	lyy cm4	Zyy cm3	ryy cm	Area cm2		
		6.13	3.02	1.45	9.19	4.45	1.78	2.90		

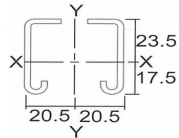
41x41 (Plain)

GSC41412.0

Finishes : HDG, PG , ZP or SS
 Dimension : 41mm X 41mm
 Thickness : 2.0mm
 Length : 3M, 5.8m or 6m



121.414120PL										
Span or Column Effective Length (mm)	UNIFORMLY DISTRIBUTED LOAD				CONCENTRATED LOAD				AXIAL LOAD CAPACITY	
	Strength Limited Load and Deflection		Serviceability Limited Load (Kg)		Strength Limited Load and Deflection		Serviceability Limited Load (Kg)		Axial Load Applied at the centroid (Kg)	Axial Load Applied at the face (Kg)
	Load (Kg)	Deflection (mm)	Span /200	Span /360	Load (Kg)	Deflection (mm)	Span /200	Span /360		
500	713	0.96	713	713	356	0.77	356	356	3880	1239
1000	356	3.83	356	257	178	3.06	178	161	3247	1144
1500	237	8.61	206	114	118	6.86	118	71	2091	939
2000	178	15.32	116	64	89	12.26	72	40	1321	674
2500	142	23.88	74	41	71	19.10	46	25	880	448
3000	118	34.29	51	28	59	27.43	32	17		

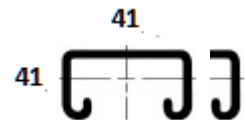


Axis X - X			Axis Y - Y			
$I_{xx} \text{ cm}^4$	$Z_{xx} \text{ cm}^3$	$r_{xx} \text{ cm}$	$I_{yy} \text{ cm}^4$	$Z_{yy} \text{ cm}^3$	$r_{yy} \text{ cm}$	Area cm^2
5.79	2.50	1.46	7.51	3.66	1.66	2.70

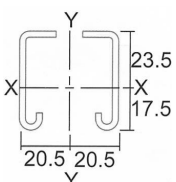
41x41 (Slotted)

GSC41412.0-SL

Finishes : HDG, PG , ZP or SS
 Dimension : 41mm X 41mm
 Thickness : 2.0mm
 Length : 3M, 5.8m or 6m



121.414120SL										
Span or Column Effective Length (mm)	UNIFORMLY DISTRIBUTED LOAD				CONCENTRATED LOAD				AXIAL LOAD CAPACITY	
	Strength Limited Load and Deflection		Serviceability Limited Load (Kg)		Strength Limited Load and Deflection		Serviceability Limited Load (Kg)		Axial Load Applied at the centroid (Kg)	Axial Load Applied at the face (Kg)
	Load (Kg)	Deflection (mm)	Span /200	Span /360	Load (Kg)	Deflection (mm)	Span /200	Span /360		
500	659	1.05	659	659	329	0.84	329	329	3478	1200
1000	329	4.18	329	218	164	3.34	164	136	2836	1092
1500	219	9.4	174	96	109	7.48	109	60	1800	871
2000	164	16.68	98	54	82	13.35	61	33	1110	609
2500	131	26.03	62	34	65	20.66	39	21	740	406
3000	109	37.42	43	23	54	29.66	27	15		



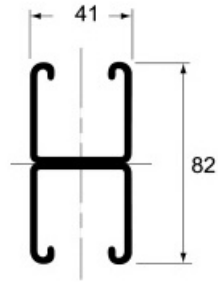
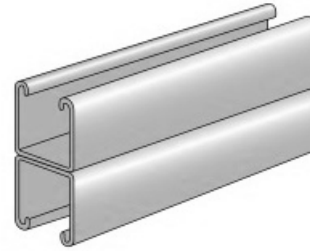
Axis X - X			Axis Y - Y			
$I_{xx} \text{ cm}^4$	$Z_{xx} \text{ cm}^3$	$r_{xx} \text{ cm}$	$I_{yy} \text{ cm}^4$	$Z_{yy} \text{ cm}^3$	$r_{yy} \text{ cm}$	Area cm^2
4.90	2.31	1.42	7.46	3.64	1.75	2.42

G-STRUT

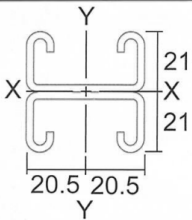
41x41 (2pcs Combination)

GSC41412.0

Finishes : HDG, PG , ZP or SS
 Dimension : 41mm X 21mm
 Thickness : 2.0mm,
 Length : 3M, 5.8m or 6m



121.414120CC										
Span or Column Effective Length (mm)	UNIFORMLY DISTRIBUTED LOAD				CONCENTRATED LOAD				AXIAL LOAD CAPACITY	
	Strength Limited Load and Deflection		Serviceability Limited Load (Kg)		Strength Limited Load and Deflection		Serviceability Limited Load (Kg)		Axial Load Applied at the centroid (Kg)	Axial Load Applied at the face (Kg)
	Load (Kg)	Deflection (mm)	Span /200	Span /360	Load (Kg)	Deflection (mm)	Span /200	Span /360		
500	2015	0.54	2015	2015	1007	0.43	1007	1007	7871	2117
1000	1007	2.17	1007	1007	503	1.73	503	503	6935	1933
1500	671	4.88	671	573	335	3.89	335	335	5009	1396
2000	503	8.66	503	322	251	6.92	251	201	3302	920
2500	403	13.56	371	206	201	10.82	201	128	2201	613
3000	335	19.47	258	143	167	15.53	161	89		

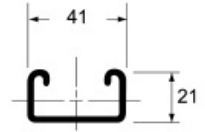
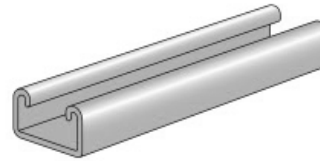


Axis X - X			Axis Y - Y			
$I_{xx} \text{ cm}^4$	$Z_{xx} \text{ cm}^3$	$r_{xx} \text{ cm}$	$I_{yy} \text{ cm}^4$	$Z_{yy} \text{ cm}^3$	$r_{yy} \text{ cm}$	Area cm^2

41x21 (PLAIN)

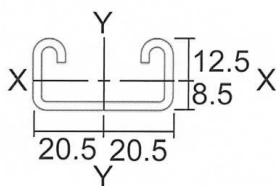
GSC-4121PL

Finishes : HDG, PG , ZP or SS
 Dimension : 41mm X 21mm
 Thickness : 2.0mm
 Length : 3M, 5.8m or 6m



Slot Hole: 28 x 14
50 on center

121.412120PL										
Span or Column Effective Length (mm)	UNIFORMLY DISTRIBUTED LOAD				CONCENTRATED LOAD				AXIAL LOAD CAPACITY	
	Strength Limited Load and Deflection		Serviceability Limited Load (Kg)		Strength Limited Load and Deflection		Serviceability Limited Load (Kg)		Axial Load Applied at the centroid (Kg)	Axial Load Applied at the face (Kg)
	Load (Kg)	Deflection (mm)	Span /200	Span /360	Load (Kg)	Deflection (mm)	Span /200	Span /360		
500	325	1.52	325	297	162	1.21	162	162	2708	884
1000	162	6.04	134	74	81	4.84	81	46	1406	458
1500	108	13.6	59	32	54	10.88	37	20	692	225
2000	81	24.18	33	18	40	19.10	20	11		
2500	65	37.89	21	11	32	29.85	13	7		
3000	54	54.40	14	7	27	43.52	9	5		



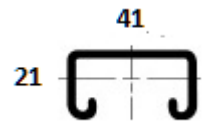
Axis X - X			Axis Y - Y			
$I_{xx} \text{ cm}^4$	$Z_{xx} \text{ cm}^3$	$r_{xx} \text{ cm}$	$I_{yy} \text{ cm}^4$	$Z_{yy} \text{ cm}^3$	$r_{yy} \text{ cm}$	Area cm^2
1.67	1.14	0.90	5.02	2.45	1.56	2.06

G-STRUT

41x21 (SLOTTED)

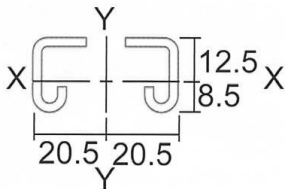
GSC41212.0

Finishes : HDG, PG , ZP or SS
 Dimension : 41mm X 21mm
 Thickness : 2.0mm
 Length : 3M, 5.8m or 6m



121.412120SL

Span or Column Effective Length (mm)	UNIFORMLY DISTRIBUTED LOAD				CONCENTRATED LOAD				AXIAL LOAD CAPACITY	
	Strength Limited Load and Deflection		Serviceability Limited Load (Kg)		Strength Limited Load and Deflection		Serviceability Limited Load (Kg)		Axial Load Applied at the centroid (Kg)	Axial Load Applied at the face (Kg)
	Load (Kg)	Deflection (mm)	Span /200	Span /360	Load (Kg)	Deflection (mm)	Span /200	Span /360		
500	302	1.69	302	167	151	1.35	151	151	2322	858
1000	151	6.77	111	61	75	5.38	69	38	1161	429
1500	100	15.13	49	27	50	12.10	30	16	562	207
2000	75	26.90	27	15	37	21.23	17	9		
2500	60	42.03	17	9	30	33.62	11	6		
3000	50	60.52	12	6	25	48.41	7	4		



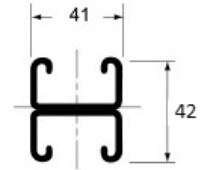
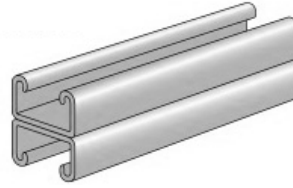
Axis X - X			Axis Y - Y			
$I_{xx} \text{ cm}^4$	$Z_{xx} \text{ cm}^3$	$r_{xx} \text{ cm}$	$I_{yy} \text{ cm}^4$	$Z_{yy} \text{ cm}^3$	$r_{yy} \text{ cm}$	Area cm^2
1.39	1.06	0.88	4.97	2.42	1.67	1.78

G-STRUT

41x21 (COMBINATION CHANNEL)

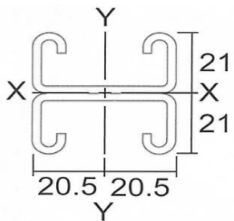
GSC41212.0

Finishes : HDG, PG , ZP or SS
 Dimension : 41mm X 21mm
 Thickness : 2.0mm
 Length : 3M, 5.8m or 6m



121.412120CC

Span or Column Effective Length (mm)	UNIFORMLY DISTRIBUTED LOAD				CONCENTRATED LOAD				AXIAL LOAD CAPACITY	
	Strength Limited Load and Deflection		Serviceability Limited Load (Kg)		Strength Limited Load and Deflection		Serviceability Limited Load (Kg)		Axial Load Applied at the centroid (Kg)	Axial Load Applied at the face (Kg)
	Load (Kg)	Deflection (mm)	Span /200	Span /360	Load (Kg)	Deflection (mm)	Span /200	Span /360		
500	896	0.89	896	896	448	0.71	448	448	5921	1557
1000	448	3.56	448	349	224	2.84	224	218	4745	1282
1500	298	7.98	279	155	149	6.39	149	96	2939	1007
2000	224	14.22	157	87	112	11.38	98	54	1805	618
2500	179	22.20	100	55	89	17.66	62	34	1175	402
3000	149	31.93	69	38	74	25.37	43	23		



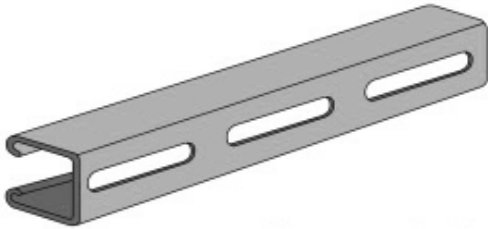
Axis X - X			Axis Y - Y			
$I_{xx} \text{ cm}^4$	$Z_{xx} \text{ cm}^3$	$r_{xx} \text{ cm}$	$I_{yy} \text{ cm}^4$	$Z_{yy} \text{ cm}^3$	$r_{yy} \text{ cm}$	Area cm^2
7.85	3.14	1.38	10.04	4.90	1.56	4.12

SLOT CHANNEL (CUSTOMIZE)

GSC-C-SL

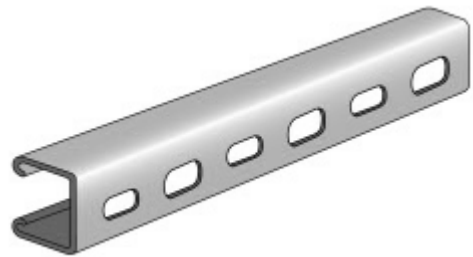
- Finishes
- Hot-Dip Galvanized
 - Pre Galvanized
 - Zinc Plated
 - Stainless Steel
- Dimension : 41mm X 21mm or 41mm X 41mm
- Thickness : 2.5mm
- Remarks : Non Standard Lengths available upon request

GSC-C-SL1



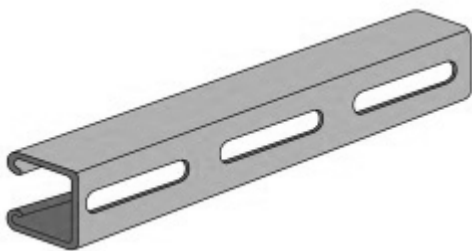
Slot Hole Size: 76 x 10.5
100 on center

GS-SL-C2



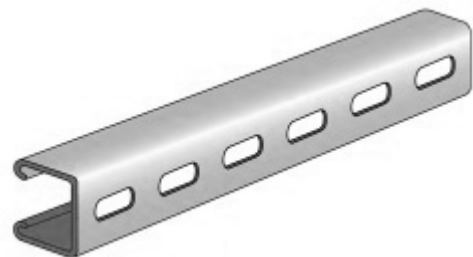
Slot Hole Size: 18 x 9 , 30 x 13 alternate
50 on center

GSC-C-SL3



Slots Hole Size : 62.5 x 13.5
100 on the center

GSC-C-SL4

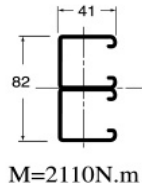
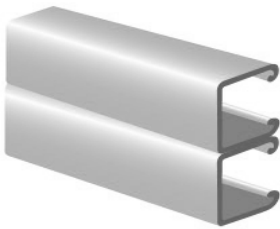


Slots Hole Size : 30 x 11
50 on the center

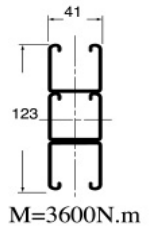
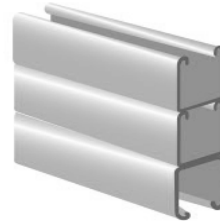
Finishes

- Hot-Dip Galvanised
- Zinc Plated
- Pre Galvanised
- Stainless Steel

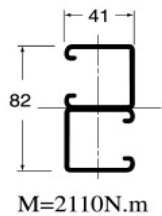
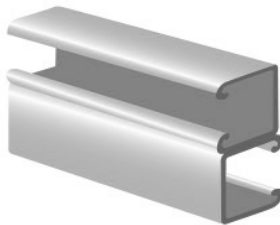
GSCC-4141-2P-A



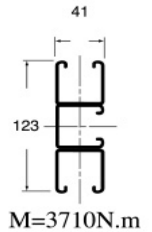
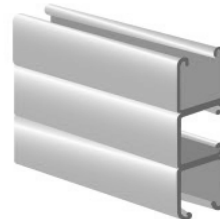
GSCC-4141-3P-B



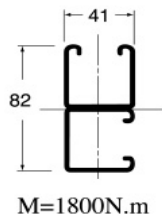
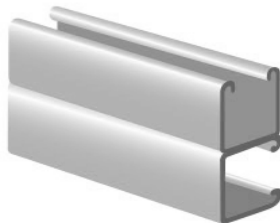
GSCC-4141-2P-B



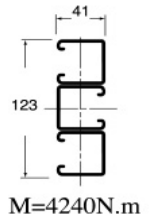
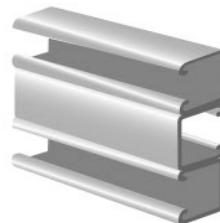
GSCC-4141-3P-C



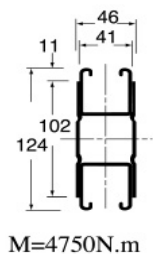
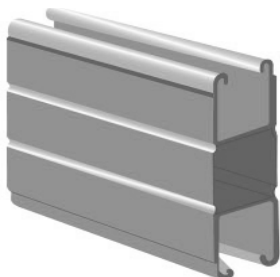
GSCC-4141-2P-C



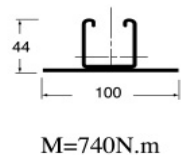
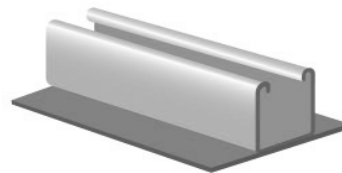
GSCC-4141-3P-D



GSCC-4141-3P-A



GSCC-4141-1P-E



Note: Maximum uniformly distributed load of channel to be calculated per the following formula:

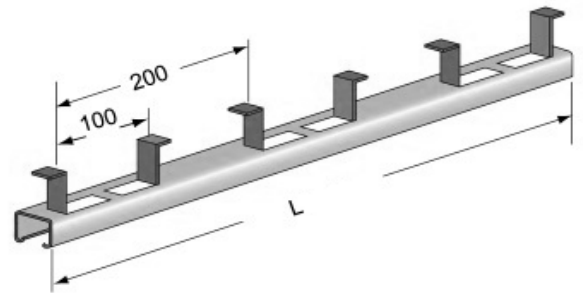
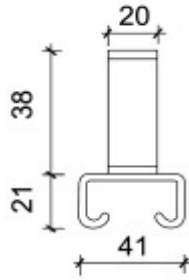
$$W_{\max} = \frac{8 M}{L}$$

- W_{max} Max.Uniform Load
- M Allowable Moment (N.m)
- L Length (m)

41x21 Concrete Insert

GSCI-4121

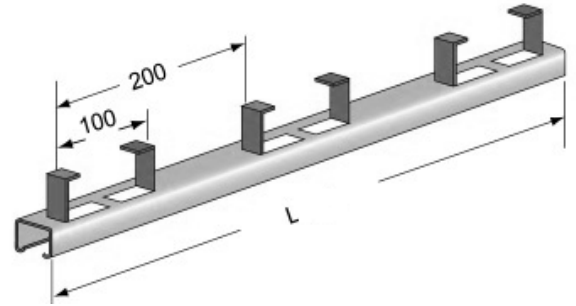
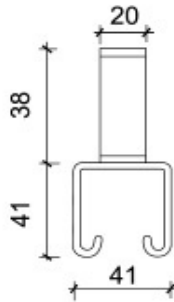
Finishes : HDG, PG , ZP or SS
 Dimension : 41mm X 21mm
 Thickness : 2.5mm
 Length : 3m or 6m



41x41 Concrete Insert

GSCI-4141

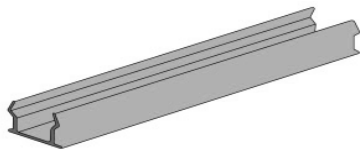
Finishes : HDG, PG , ZP or SS
 Dimension : 41mm X 41mm
 Thickness : 2.5mm
 Length : 3m or 6m



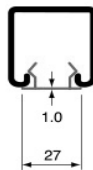
MM Insert Length		75	100	150	200	300	400-600	800-6000
Max.Allowable Lateral Load (KN)	GSCI-41X21	1.8	2.2	3.3	4.4	6.7	6.7	6.7
	GSCI-41X41	2.4	4.0	4.9	5.8	9.3	9.3	9.3
Min Spacing Between Pt.Load (mm)		-	-	-	-	-	300	300
Max.Allowable Uniform Load (KN)	GSCI-41X21	1.8	2.3	3.3	4.4	6.7	13.3	21.9KN/m
	GSCI-41X41	2.4	4.0	4.9	5.8	9.3	18.7	30.7KN/m

The maximum allowable point load may be placed anywhere along the insert.
 All loads placed less than 2" from the end of an insert must be reduced by 50%.

Closure Strip

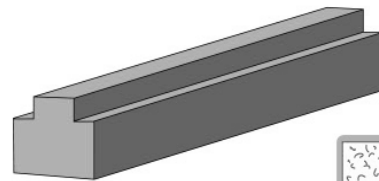


Material: Plastic
 Colour: Black
 Standard Length: 3m



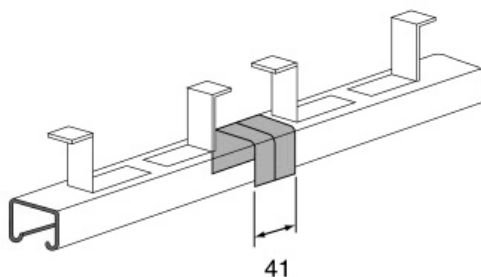
Note: Use with G-4141-CI Series concrete Insert

Foam strip

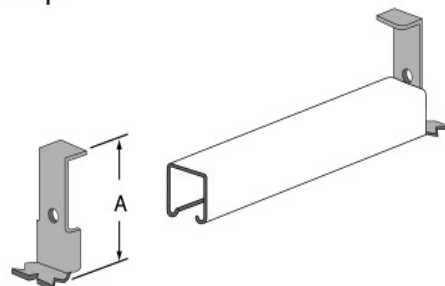


Note: Use with G-4141-CI Series concrete Insert

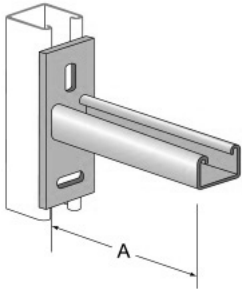
Joint Cover



End Cap



G-4121-CCA



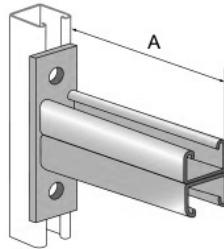
"A" mm	(KN) Uniform Design Load
150	1.8
200	1.4
300	0.9
400	0.7
450	0.6
500	0.5

GSCA-4121

GSCA-4121

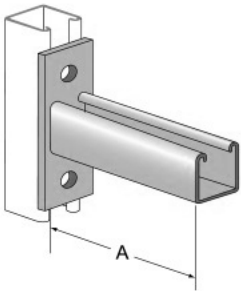
GSCA-4121

G-4121X2-CCA



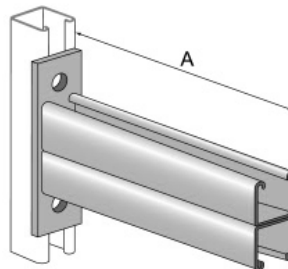
"A" mm	(KN) Uniform Design Load
150	5.0
200	3.8
300	2.5
400	1.9
450	1.7
500	1.5

G-4141-S-CCA



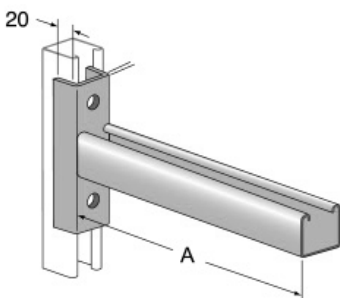
"A" mm	(KN) Uniform Design Load
150	5.0
200	3.7
300	2.5
400	1.9
450	1.7
500	1.5
600	1.2
750	1.0
900	0.8
1000	0.7

G-4121X2-CCA



"A" mm	(KN) Uniform Design Load
150	14.1
200	10.6
300	7.1
400	5.3
450	4.7
500	4.2
600	3.5
750	2.8
900	2.4
1000	2.1

G-4121-CCA

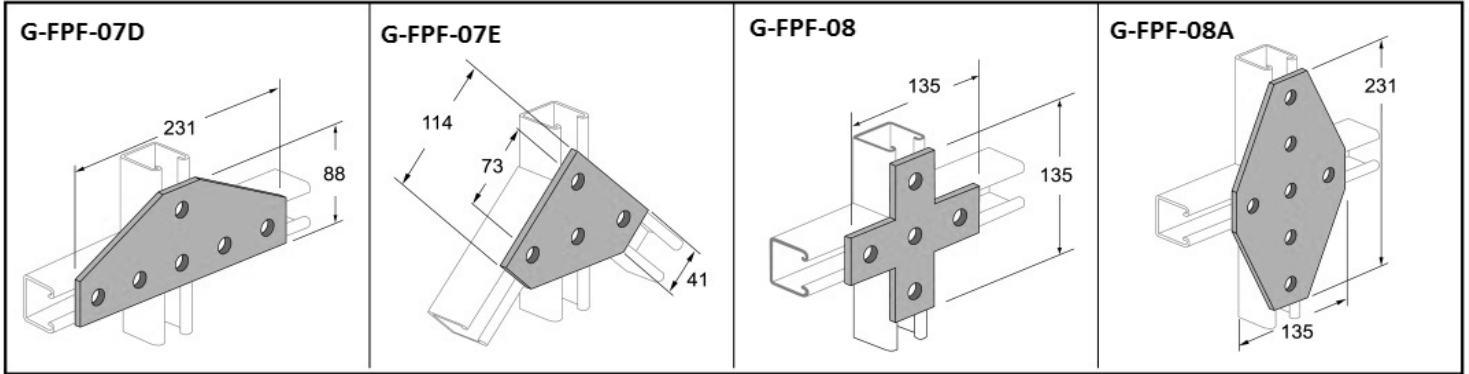


"A" mm	(KN) Uniform Design Load
300	3.7
400	2.8
450	2.5
500	2.2
600	1.9

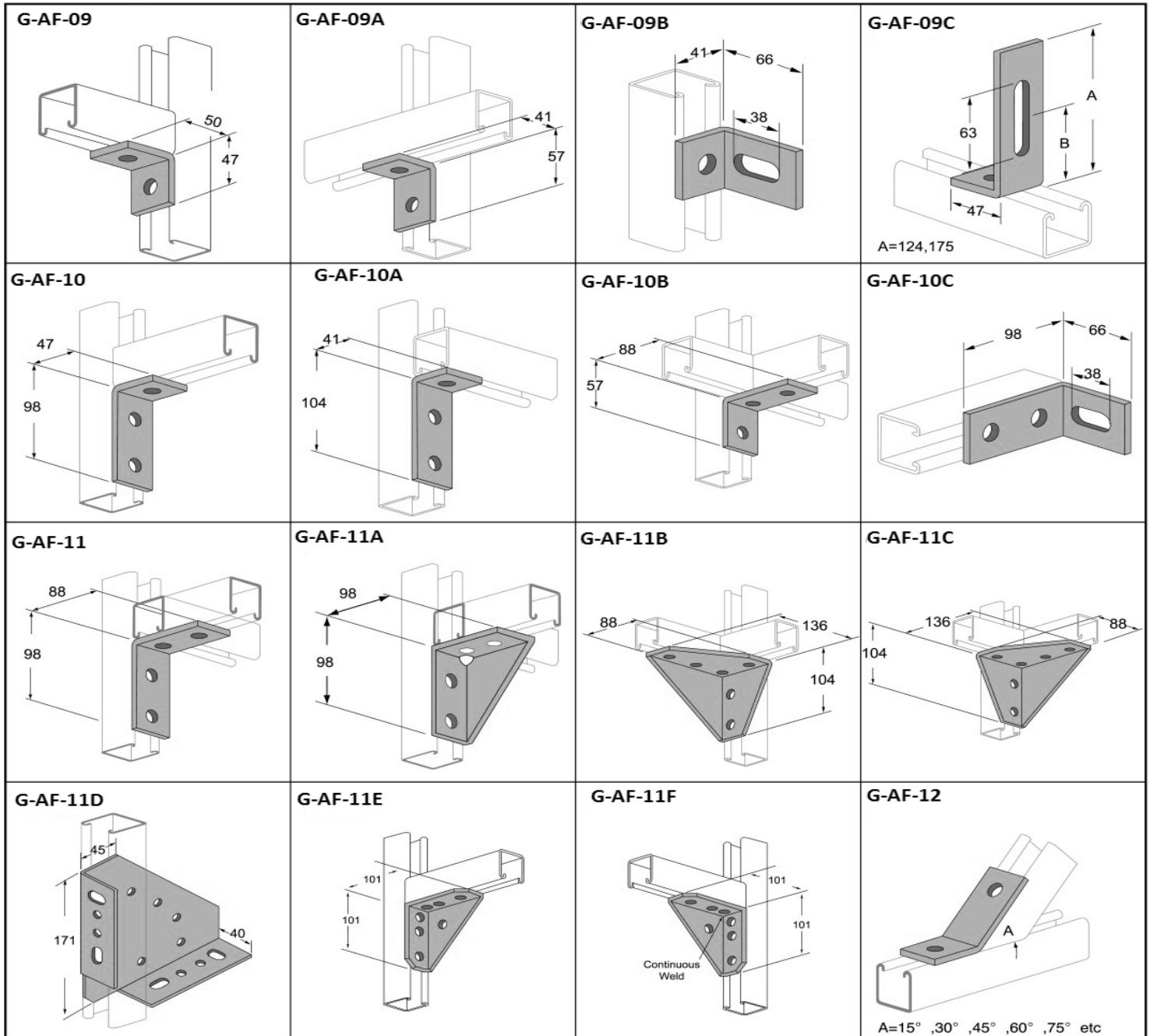
FLAT PLATE FITTINGS

<p>G-FPF-01</p>	<p>G-FPF-01A</p>	<p>G-FPF-01B</p>	<p>G-FPF-02</p>
<p>G-FPF-02A</p>	<p>G-FPF-02B</p>	<p>G-FPF-03</p>	<p>G-FPF-03A</p>
<p>G-FPF-04</p>	<p>G-FPF-04A</p>	<p>G-FPF-04B</p>	<p>G-FPF-05</p>
<p>G-FPF-05A</p>	<p>G-FPF-06</p>	<p>G-FPF-06A</p>	<p>G-FPF-06B</p>
<p>G-FPF-07</p>	<p>G-FPF-07A</p>	<p>G-FPF-07B</p>	<p>G-FPF-07C</p>

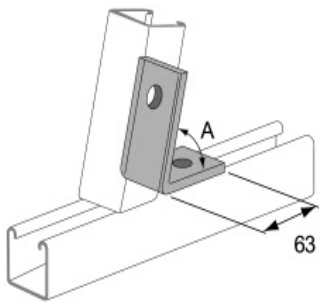
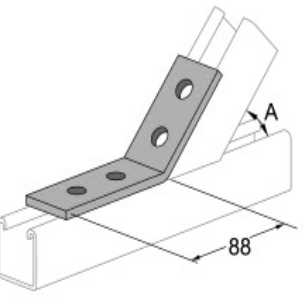
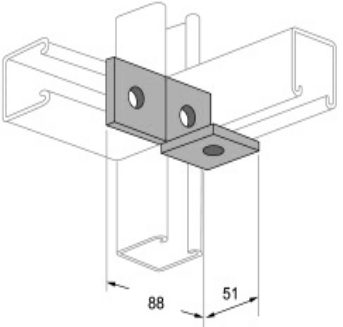
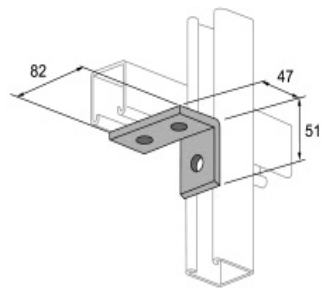
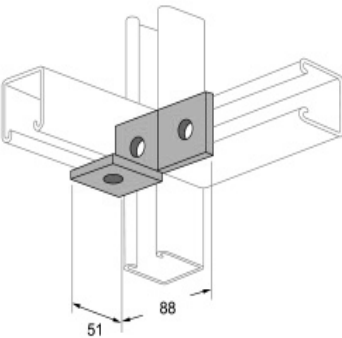
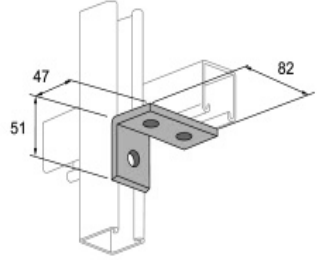
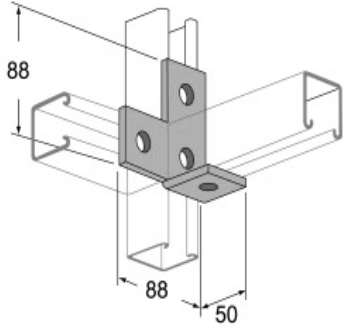
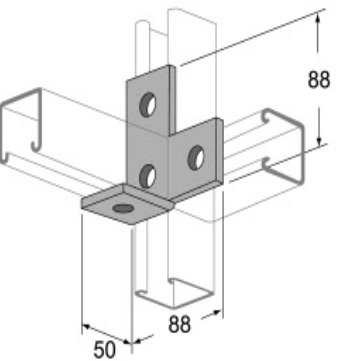
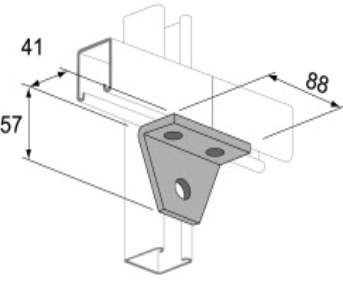
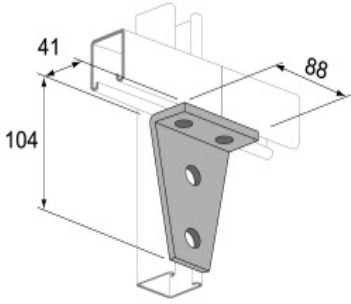
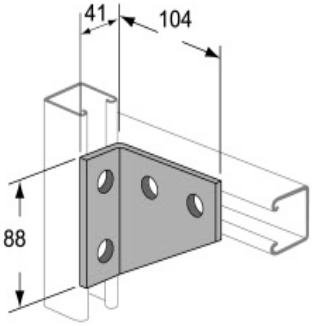
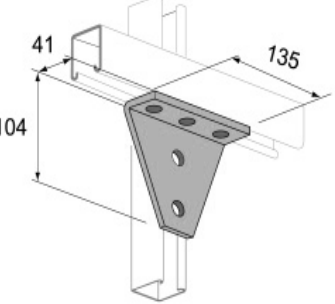
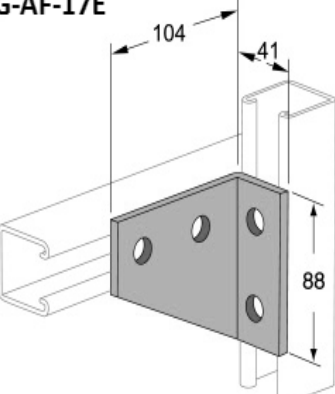
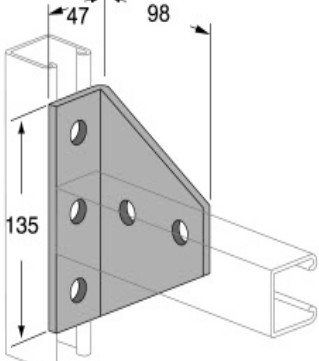
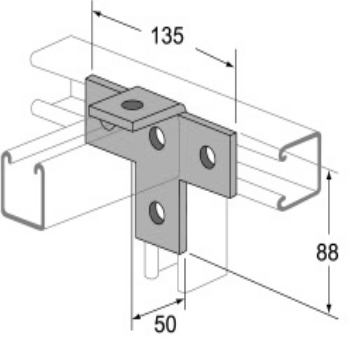
FLAT PLATE FITTINGS



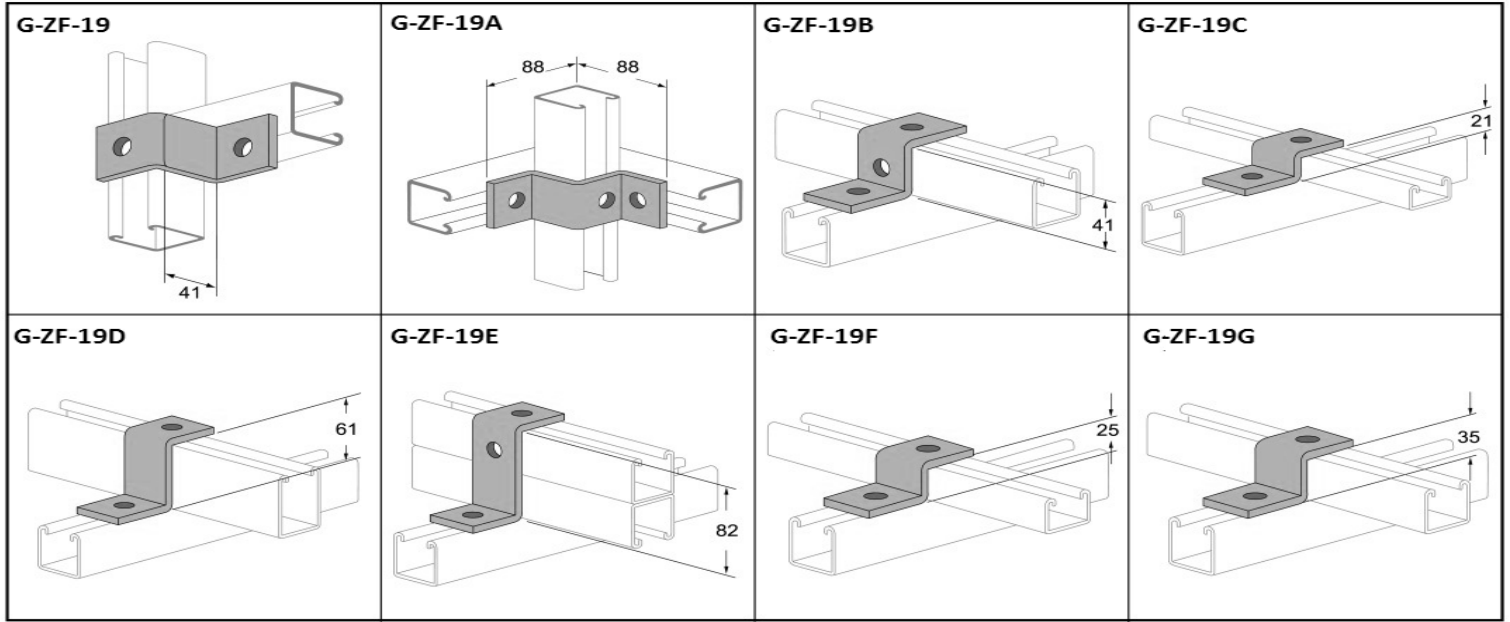
ANGLE FITTINGS



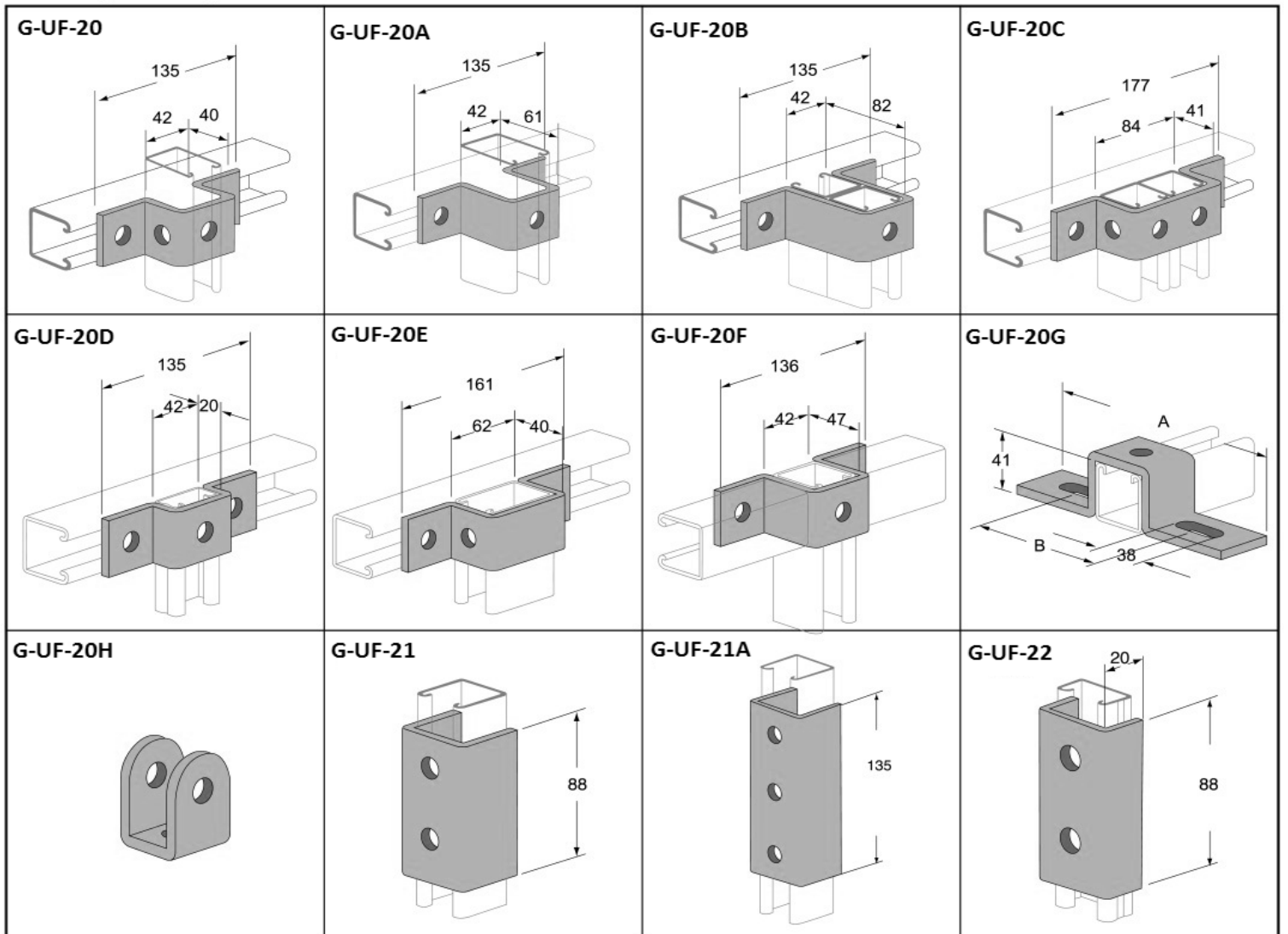
ANGLE FITTINGS

<p>G-AF-12A</p>  <p>A=45° ,60° ,75° etc</p>	<p>G-AF-12B</p>  <p>A=15° ,30° ,45° ,60° ,75° etc</p>	<p>G-AF-13</p> 	<p>G-AF-13A</p> 
<p>G-AF-14</p> 	<p>G-AF-14A</p> 	<p>G-AF-15</p> 	<p>G-AF-16</p> 
<p>G-AF-17</p> 	<p>G-AF-17A</p> 	<p>G-AF-17B</p> 	<p>G-AF-17C</p> 
<p>G-AF-17D</p> 	<p>G-AF-17E</p> 	<p>G-AF-17F</p> 	<p>G-AF-18</p> 

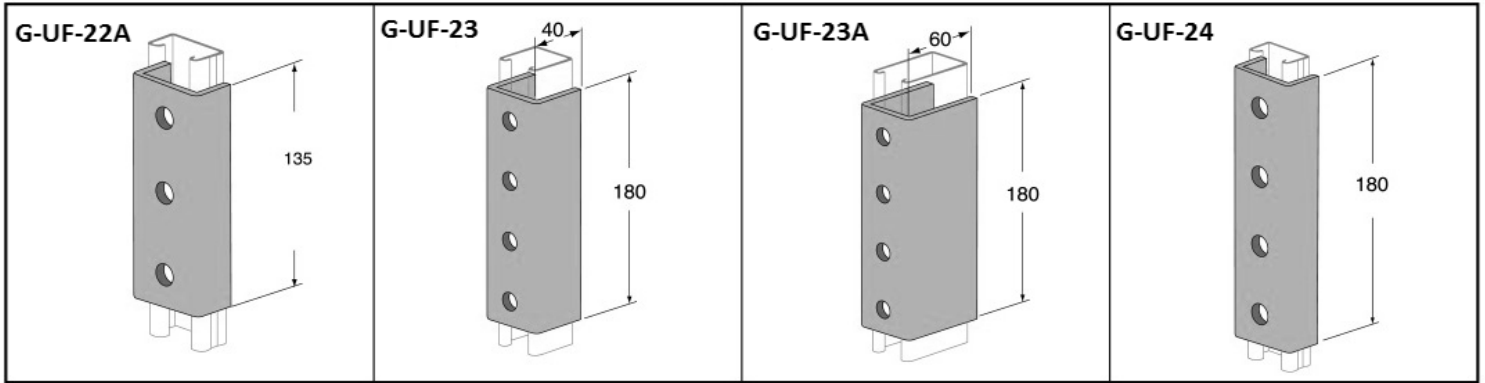
“Z” SHAPE FITTINGS



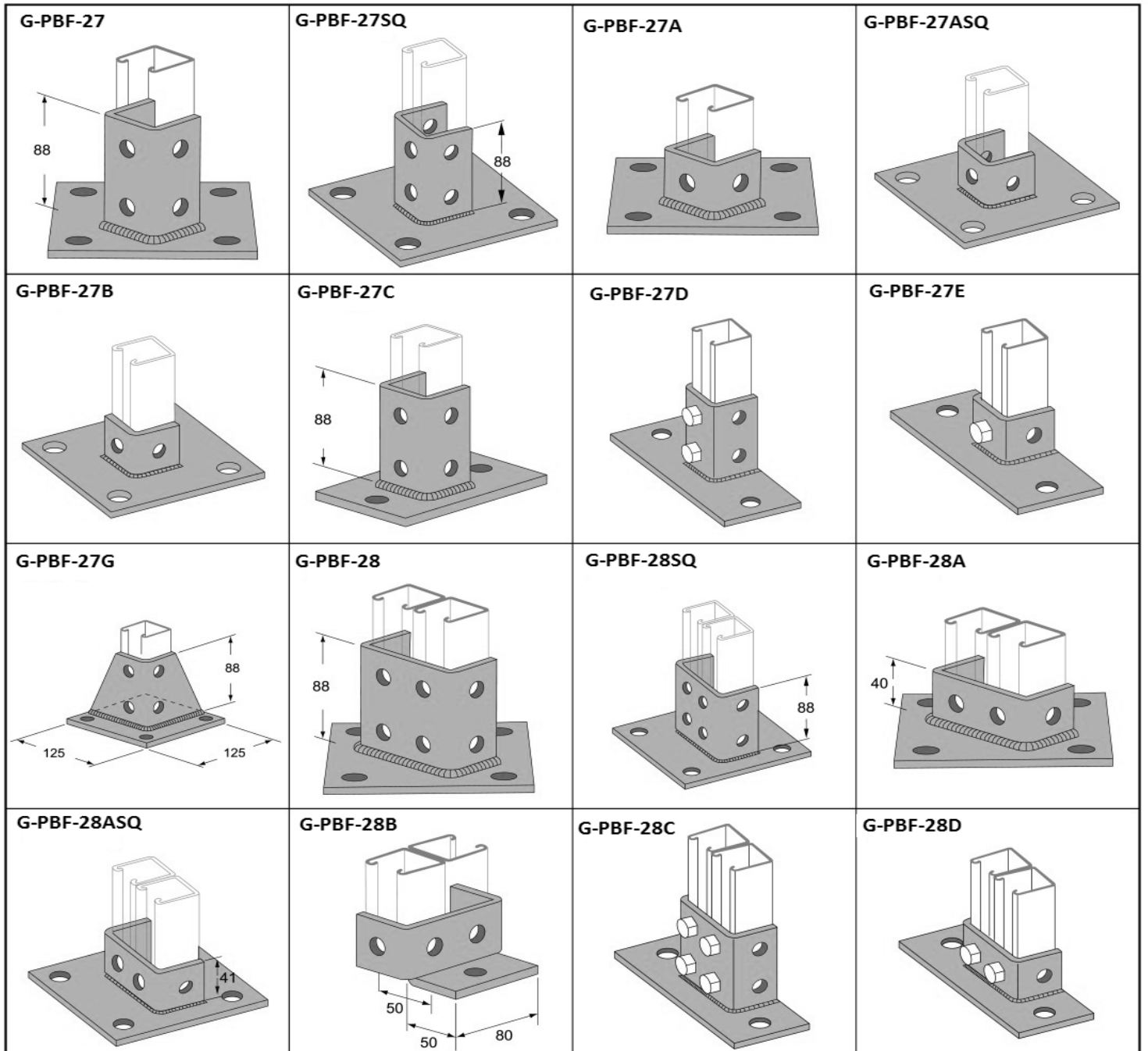
“U” SHAPE FITTINGS



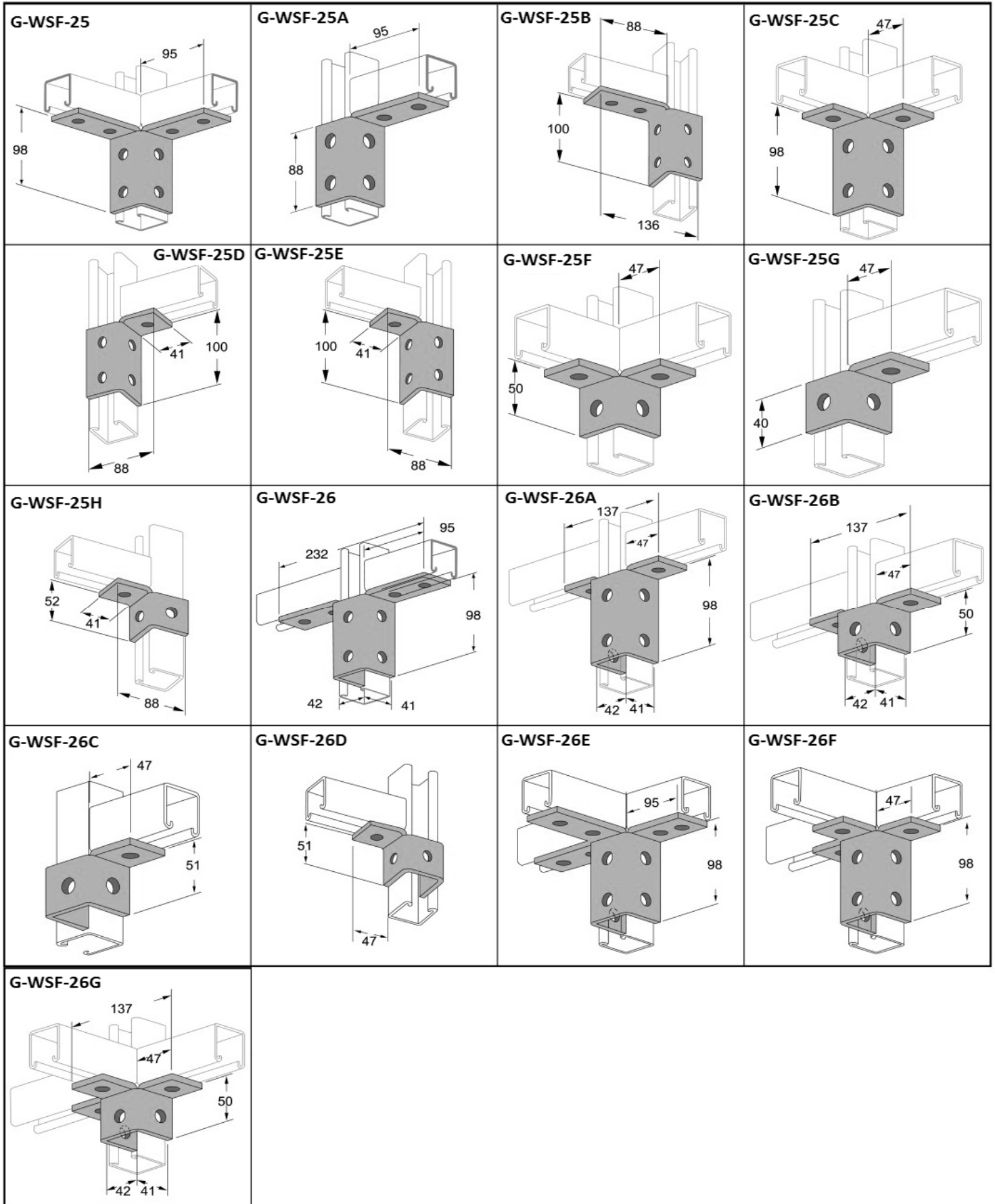
“U” SHAPE FITTINGS



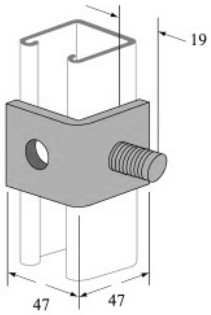
POST BASE FITTINGS



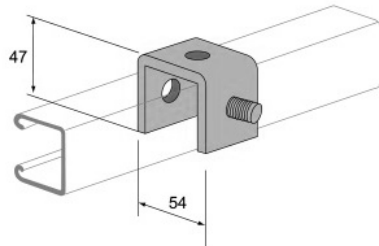
“WING” SHAPE FITTINGS



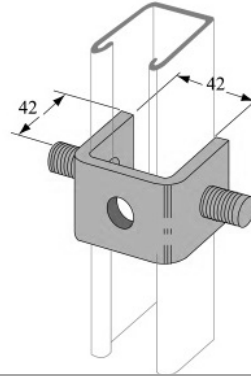
G-AVS-01



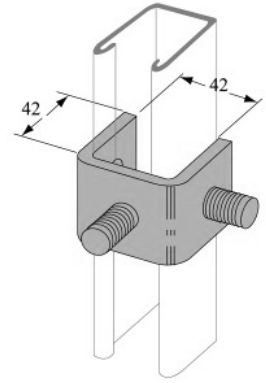
G-AVS-02



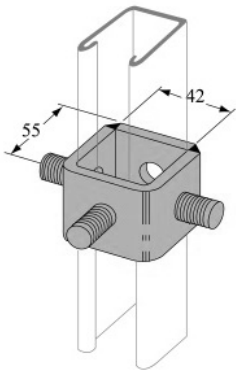
G-AVS-03



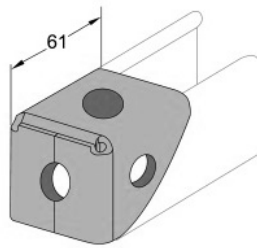
G-AVS-04



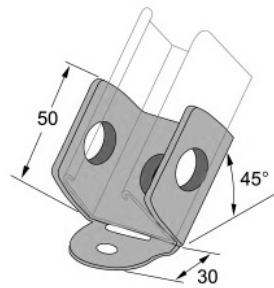
G-AVS-05



G-AVS-06



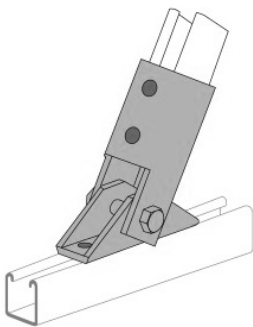
G-AVS-07



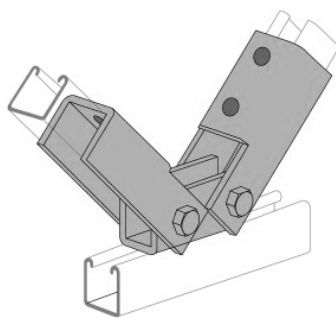
G-AVS-08



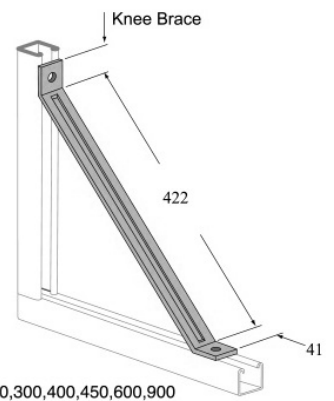
G-AVS-09



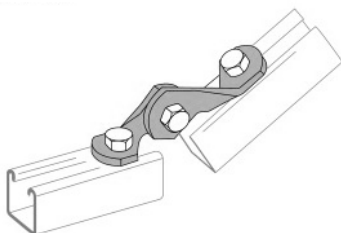
G-AVS-10



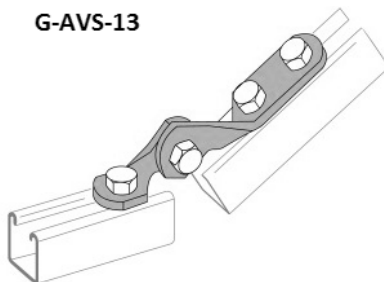
G-AVS-11



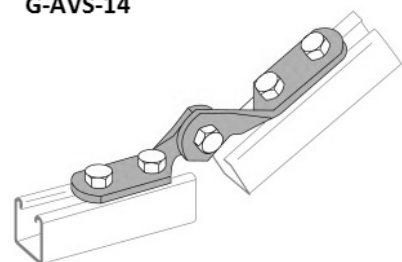
G-AVS-12



G-AVS-13



G-AVS-14

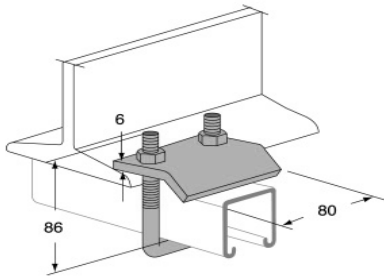


Finishes

- Hot-Dip Galvanised
- Stainless Steel

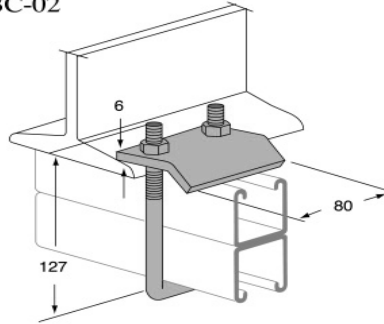
- Zinc Plated
- Pre Galvanised

BC-01



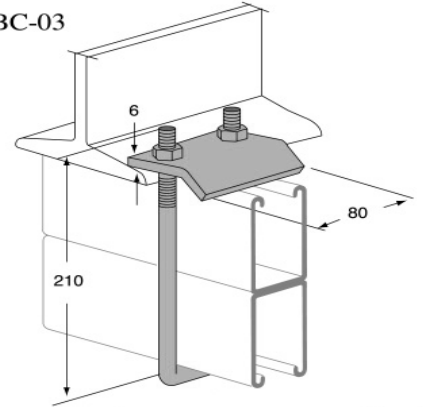
Design Load Each 4.4KN, Used in Pairs only.

BC-02



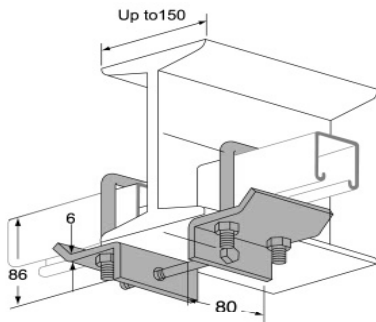
Design Load Each 4.4KN, Used in Pairs only.

BC-03

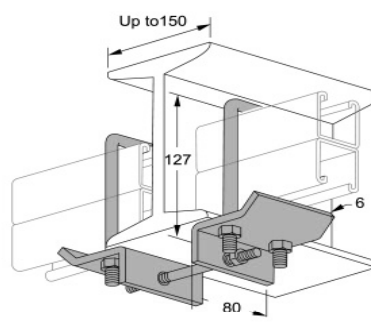


Design Load Each 4.4KN, Used in Pairs only.

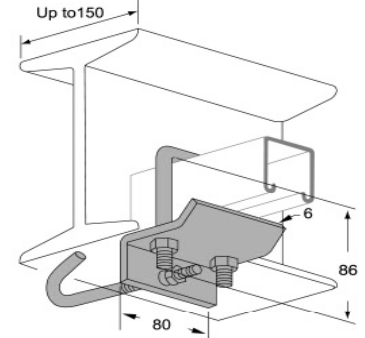
BC-04



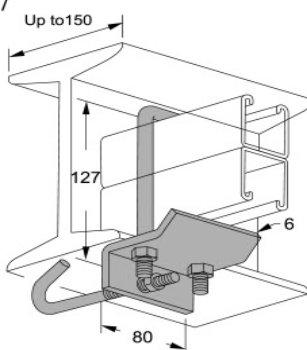
BC-05



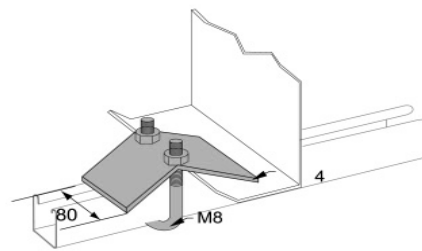
BC-06



BC-07

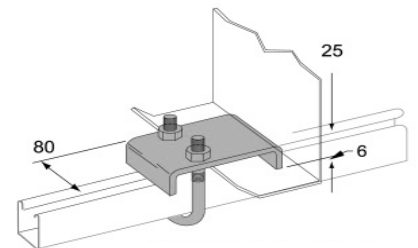


BC-08



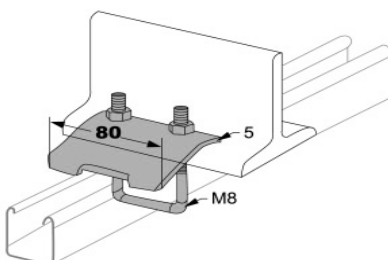
Design Load Each 3.0KN, Used in Pairs only.

BC-09



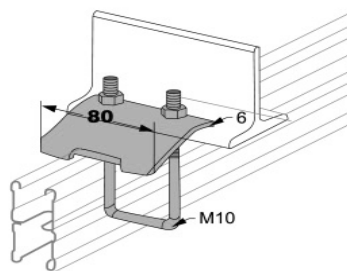
Design Load Each 3.0KN, Used in Pairs only.

BC-10



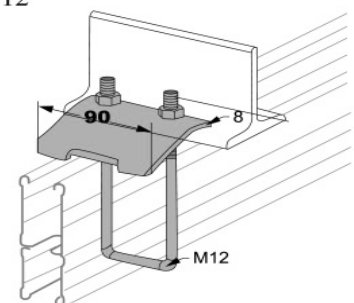
Design Load Each 3.0KN, Used in Pairs only.

BC-11



Design Load Each 4.4KN, Used in Pairs only.

BC-12

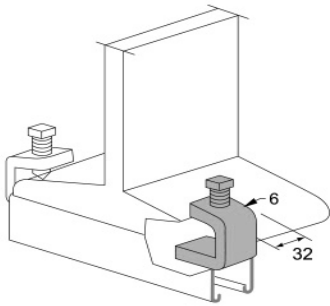


Design Load Each 3.0KN, Used in Pairs only.

Finishes

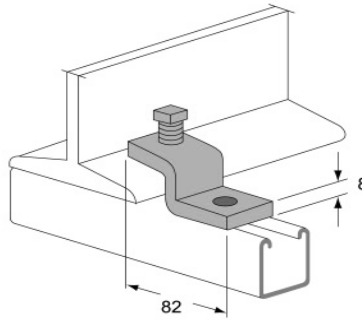
- Hot-Dip Galvanised
- Zinc Plated
- Stainless Steel
- Pre Galvanised

BC-13



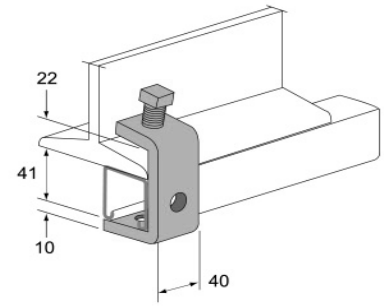
Design Load Each 2.0KN, Used in Pairs only.

BC-14



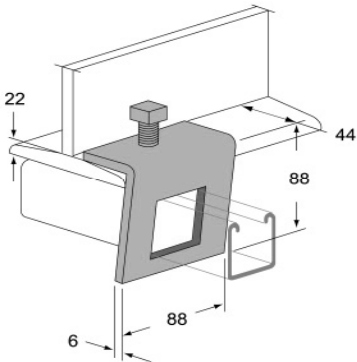
Design Load Each 2.7KN, Used in Pairs only.

BC-15



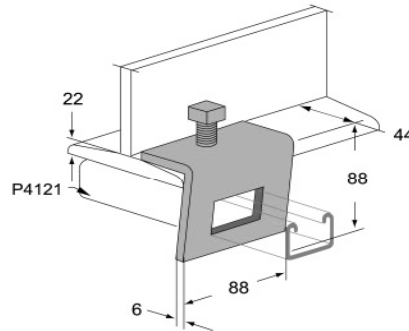
Design Load Each 2.2KN, Used in Pairs only.

BC-16



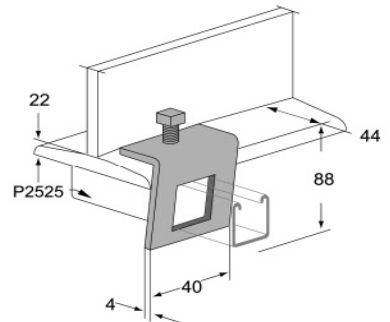
Design Load Each 2.1KN, Used in Pairs only.

BC-17



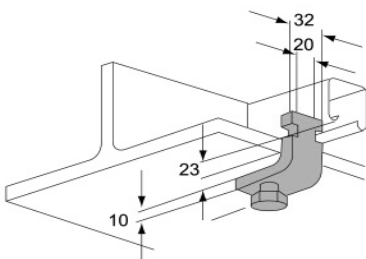
Design Load Each 2.1KN, Used in Pairs only.

BC-18



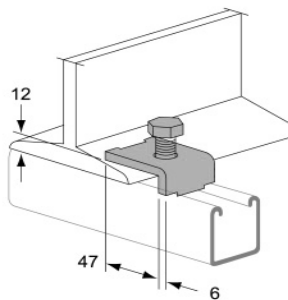
Design Load Each 1.4KN, Used in Pairs only.

BC-19



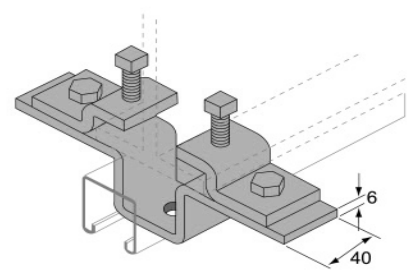
Design Load Each 2.5KN, Used in Pairs only.

BC-20



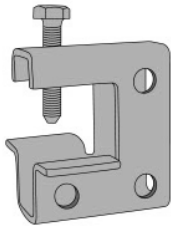
Design Load Each 2.7KN, Used in Pairs only.

BC-21



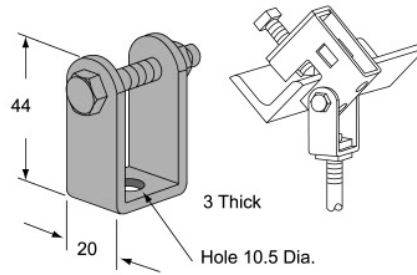
Design Load Each 3.5KN.

BC-22



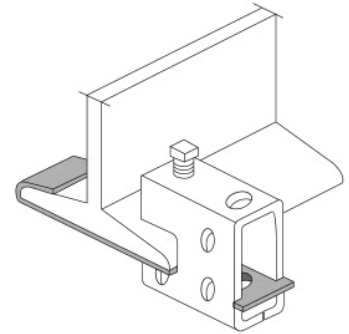
• Design Load 0.7KN

BC-22A



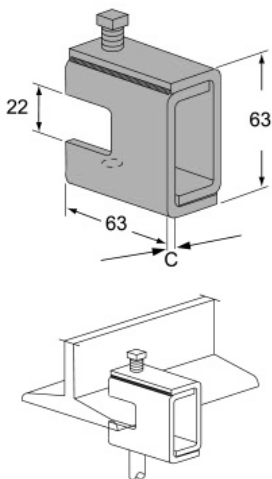
• Design Load 1.1KN

RS-01

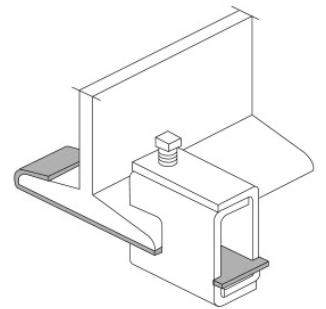


• Use with BC-22

BC-23



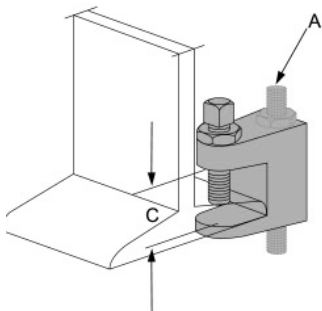
Part No.	Rod Size	"C" (mm)	Thickness	(KN) Design Load
BC-23-06	M6	3	22	2.9
BC-23-08	M8	3	22	2.9
BC-23-10	M10	3	22	2.9
BC-23-10A	M10	5	25	4.9
BC-23-12	M12	5	25	4.9
BC-23-12A	M12	6	25	7.1
BC-23-16	M16	6	25	7.1
BC-23-16A	M16	8	34	10.7
BC-23-20	M20	8	34	10.7



• Use with BC-23

BC-24 Cast Steel Clamp

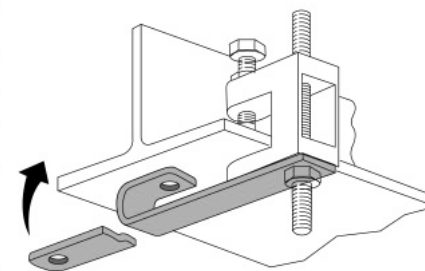
BC-25 Malleable Iron Clamp



Part No.	"A" (mm)	"C" (mm)	(KN) Design Load
BC-24-08	9	18	2.4
BC-24-12	13	24	3.1
BC-24-14	15	34	3.7

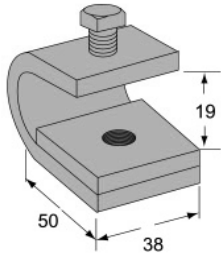
Part No.	"A" (mm)	"C" (mm)	(KN) Design Load
BC-25-08	9	18	1.8
BC-25-10	11	23	2.2
BC-25-12	13	26	3.1
BC-25-16	17	23	4.0

RS-03



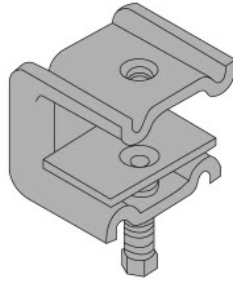
• Use with BC-24,33

BC-26



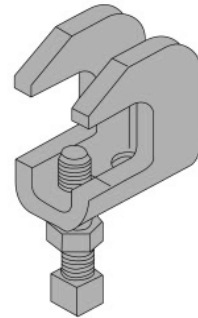
● Design Load 1.3KN

BC-27



● Design Load 1.5KN

BC-28

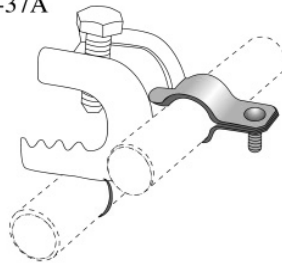


● Design Load 5.0KN

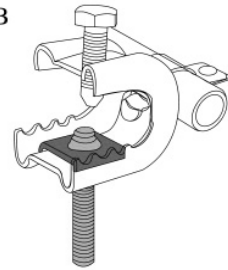
BC-37



BC-37A



BC-37B

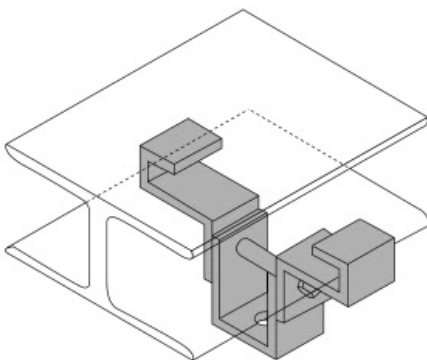


Part No.	(mm) Flang Thickness
BC-37-17	17
BC-37-36	36

Part No.	Pipe Size	(mm) O.D.
BC-37A-15	DN15	15.9
BC-37A-19	DN19	19.1
BC-37A-25	DN25	25.4

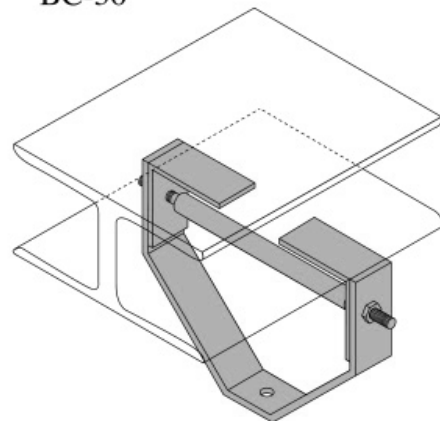
Part No.	Rod Size
BC-37B-06	M6
BC-37B-08	M8
BC-37B-10	M10

BC-35



● Design Load 3.2KN for M10 Rod or
4.7KN for M12 Rod

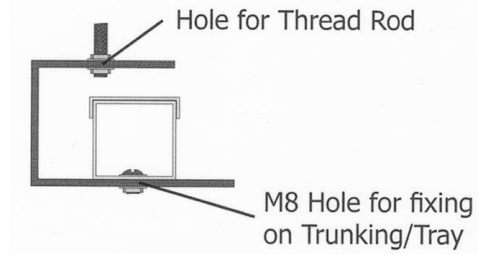
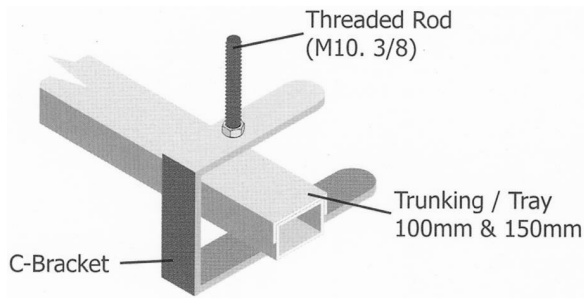
BC-36



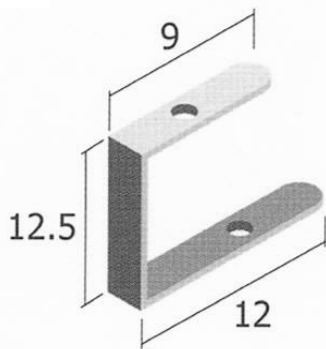
● Design Load 4.7KN

C - BRACKETS

C-Brackets are used for hanging Cable trunking or Trays in conjunction with Threaded Rods and Accessories and are suitable for both indoor and outdoor applications.

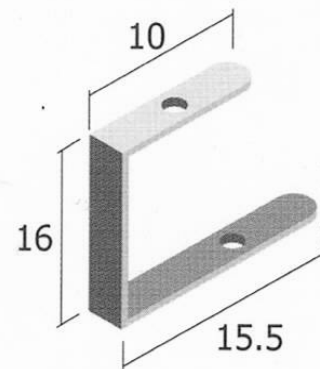


BC-29-1



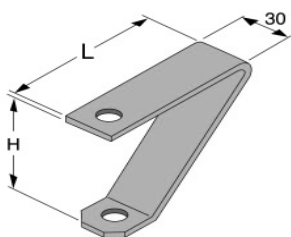
- Suitable for hanging trunking sizes between 50x50mm to 100x100mm.
- Thickness: 4mm
- Hole size suitable for 10mm or 3/8" Threaded Rods.

BC-29-2



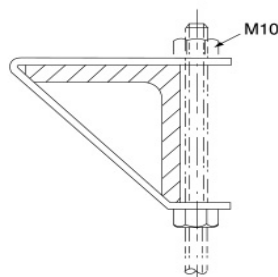
- Suitable for hanging trunking sizes between 50x50mm to 100x150mm.
- Thickness: 5mm
- Hole size suitable for 12mm or 1/2" Threaded Rods.

BC-31

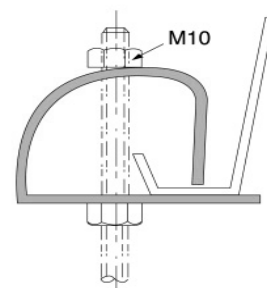


• Design Load 1.5KN

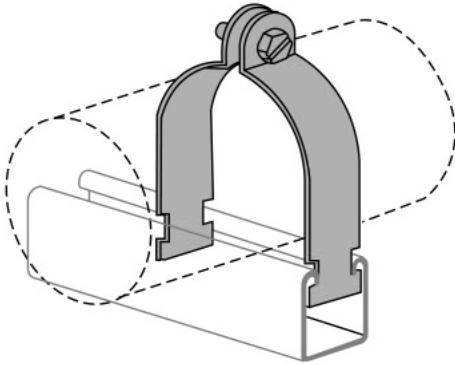
BC-32



• Design Load 1.0KN

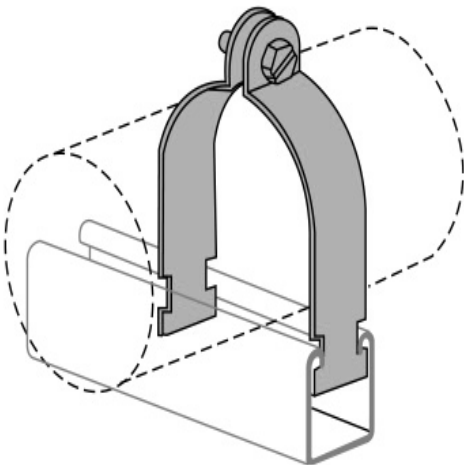


P41 Series Pipe Clamps for Rigid Steel Conduit



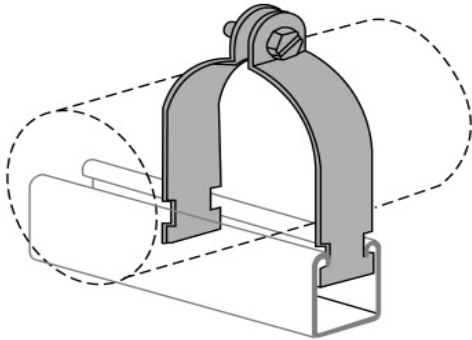
Part No.	Pipe Size	O.D. Size (mm)	Thickness (mm)	Design Load (KN)
P41-006	1/8	10.3	1.5	1.8
P41-008	1/4	13.7	1.5	1.8
P41-010	3/8	17.1	1.5	1.8
P41-015	1/2	21.3	1.5	1.8
P41-020	3/4	26.7	2	2.7
P41-025	1	33.4	2	2.7
P41-032	1 1/4	42.2	2	2.7
P41-040	1 1/2	48.3	2.5	3.6
P41-050	2	60.3	2.5	3.6
P41-065	2 1/2	73.0	2.5	3.6
P41-080	3	88.9	2.5	3.6
P41-090	3 1/2	101.6	3	4.4
P41-100	4	114.3	3	4.4
P41-125	5	141.3	3	4.4
P41-150	6	168.3	3.5	4.4
P41-200	8	219.1	3.5	4.4

P41 Series Pipe Clamps for Thin Wall conduit(E.M.T.)



Part No.	Pipe Size	O.D. Size (mm)	Thickness (mm)	Design Load (KN)
T41-010	3/8	14.7	1.5	1.8
P41-010	1/2	17.9	1.5	1.8
T41-020	3/4	23.4	1.5	1.8
T41-025	1	29.5	2	2.7
T41-032	1 1/4	38.4	2	2.7
T41-040	1 1/2	44.2	2.5	3.6
T41-050	2	55.8	2.5	3.6
P41-065	2 1/2	73.0	2.5	3.6
P41-080	3	88.9	2.5	3.6
P41-090	3 1/2	101.6	3	4.4
P41-100	4	114.3	3	4.4

P41 Series Pipe Clamps for O. D. Tubing



Part No.	O.D. Size (In)	O.D. Size (mm)	Thickness (mm)	Design Load (KN)
D41-002	1/4	6.4	1.5	1.8
P41-006	3/8	9.5	1.5	1.8
P41-008	1/2	12.7	1.5	1.8
D41-005	5/8	15.9	1.5	1.8
D41-006	3/4	19.1	1.5	1.8
P41-015	7/8	22.2	1.5	1.8
P41-020	1	25.4	2	2.7
T41-025	1 1/8	28.6	2	2.7
D41-012	1 1/4	31.8	2	2.7
P41-025	1 3/8	34.9	2	2.7
T41-032	1 1/2	38.1	2	2.7
P41-032	1 5/8	41.3	2	2.7
T41-040	1 3/4	44.5	2.5	3.6
P41-040	1 7/8	47.6	2.5	3.6
D41-020	2	50.8	2.5	3.6
T41-050	2 1/8	54.0	2.5	3.6
D41-022	2 1/4	57.2	2.5	3.6
P41-050	2 3/8	60.3	2.5	3.6
D41-024	2 1/2	63.5	2.5	3.6
D41-025	2 5/8	66.7	2.5	3.6
D41-026	2 3/4	69.9	2.5	3.6
P41-065	2 7/8	73.0	2.5	3.6
D41-030	3	76.2	2.5	3.6
D41-031	3 1/8	79.4	2.5	3.6
D41-032	3 1/4	82.6	2.5	3.6
D41-033	3 3/8	85.7	2.5	3.6
P41-080	3 1/2	88.9	2.5	3.6
D41-035	3 5/8	92.1	3	4.4
D41-036	3 3/4	95.3	3	4.4

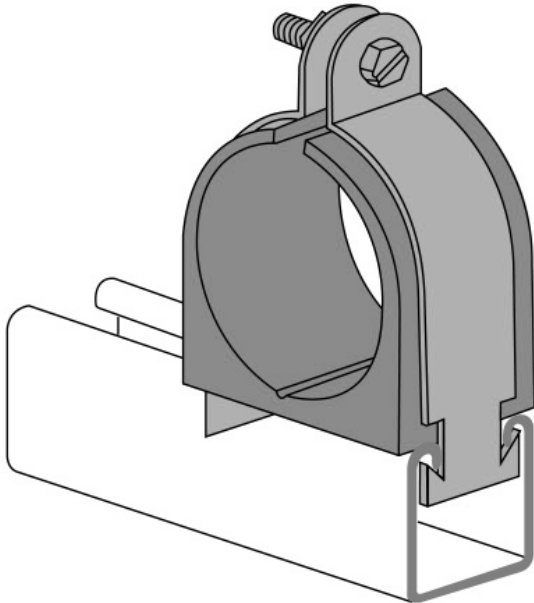
Part No.	O.D. Size (In)	O.D. Size (mm)	Thickness (mm)	Design Load (KN)
D41-037	3 7/8	98.4	3	4.4
P41-090	4	101.6	3	4.4
D41-041	4 1/8	104.8	3	4.4
D41-042	4 1/4	108.0	3	4.4
D41-043	4 3/8	111.1	3	4.4
P41-100	4 1/2	114.3	3	4.4
D41-045	4 5/8	117.5	3	4.4
D41-046	4 3/4	120.7	3	4.4
D41-047	4 7/8	123.8	3	4.4
D41-050	5	127.0	3	4.4
D41-051	5 1/8	130.2	3	4.4
D41-052	5 1/4	133.4	3	4.4
D41-053	5 3/8	136.5	3	4.4
P41-125	5 1/2	139.7	3	4.4
D41-055	5 5/8	142.9	3.5	4.4
D41-056	5 3/4	146.1	3.5	4.4
D41-057	5 7/8	149.2	3.5	4.4
D41-060	6	152.4	3.5	4.4
D41-061	6 1/8	155.6	3.5	4.4
D41-062	6 1/4	158.8	3.5	4.4
D41-063	6 3/8	161.9	3.5	4.4
D41-064	6 1/2	165.1	3.5	4.4
P41-150	6 5/8	168.3	3.5	4.4
D41-066	6 3/4	171.5	3.5	4.4
D41-067	6 7/8	174.6	3.5	4.4
D41-070	7	177.8	3.5	4.4
D41-071	7 1/8	181.0	3.5	4.4
D41-072	7 1/4	184.2	3.5	4.4
D41-073	7 3/8	187.3	3.5	4.4
D41-074	7 1/2	190.5	3.5	4.4
D41-075	7 5/8	193.7	3.5	4.4
D41-076	7 3/4	196.9	3.5	4.4
D41-077	7 7/8	200.0	3.5	4.4
D41-080	8	203.0	3.5	4.4
D41-081	8 1/8	206.4	3.5	4.4
D41-082	8 1/4	209.6	3.5	4.4
D41-083	8 3/8	212.7	3.5	4.4
D41-084	8 1/2	215.9	3.5	4.4
P41-200	8 5/8	219.1	3.5	4.4

P41 Series Pipe Clamps Table

Part No.	Thickness (mm)	Design Load (KN)	O.D. Size (mm)
D41-002	1.5	1.8	6-7
P41-006	1.5	1.8	8-11
P41-008	1.5	1.8	12-14
T41-010	1.5	1.8	14-15
D41-005	1.5	1.8	16-17
P41-010	1.5	1.8	17-19
D41-006	1.5	1.8	19-20
P41-015	1.5	1.8	20-22
T41-020	1.5	1.8	23-25
P41-020	2	2.7	25-27
T41-025	2	2.7	27-30
D41-012	2	2.7	30-33
P41-025	2	2.7	33-36
T41-032	2	2.7	36-39
P41-032	2	2.7	40-43
T41-040	2.5	3.6	43-46
P41-040	2.5	3.6	46-50
D41-020	2.5	3.6	50-52
T41-050	2.5	3.6	53-56
D41-022	2.5	3.6	57-58
P41-050	2.5	3.6	59-61
D41-024	2.5	3.6	62-65
D41-025	2.5	3.6	66-68
D41-026	2.5	3.6	69-71
P41-065	2.5	3.6	72-74
D41-030	2.5	3.6	75-77
D41-031	2.5	3.6	78-81
D41-032	2.5	3.6	82-84
D41-033	2.5	3.6	85-87
P41-080	2.5	3.6	88-90
D41-035	3	4.4	91-93
D41-036	3	4.4	94-96
D41-037	3	4.4	97-99
P41-090	3	4.4	100-103
D41-041	3	4.4	104-106

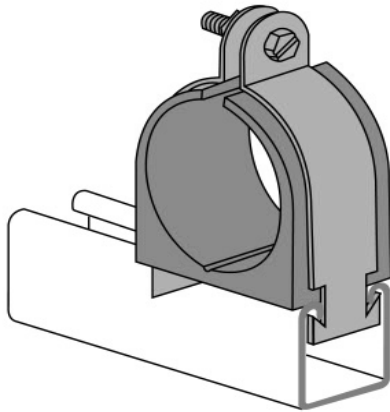
Part No.	Thickness (mm)	Design Load (KN)	O.D. Size (mm)
D41-042	3	4.4	107-109
D41-043	3	4.4	110-112
P41-100	3	4.4	113-116
D41-045	3	4.4	117-119
D41-046	3	4.4	120-122
D41-047	3	4.4	123-125
D41-050	3	4.4	126-128
D41-051	3	4.4	129-131
D41-052	3	4.4	132-134
D41-053	3	4.4	135-138
P41-125	3	4.4	139-141
D41-055	3.5	4.4	142-144
D41-056	3.5	4.4	145-147
D41-057	3.5	4.4	148-150
D41-060	3.5	4.4	151-153
D41-061	3.5	4.4	154-157
D41-062	3.5	4.4	158-160
D41-063	3.5	4.4	161-163
D41-064	3.5	4.4	164-166
P41-150	3.5	4.4	167-170
D41-066	3.5	4.4	171-173
D41-067	3.5	4.4	174-176
D41-070	3.5	4.4	177-179
D41-071	3.5	4.4	180-182
D41-072	3.5	4.4	183-185
D41-073	3.5	4.4	186-189
D41-074	3.5	4.4	190-192
D41-075	3.5	4.4	193-195
D41-076	3.5	4.4	196-198
D41-077	3.5	4.4	199-201
D41-080	3.5	4.4	202-204
D41-081	3.5	4.4	205-208
D41-082	3.5	4.4	209-211
D41-083	3.5	4.4	212-214
D41-084	3.5	4.4	215-217
P41-200	3.5	4.4	218-220

P41 Series Cushion Clamps for Rigid Steel Conduit



Part No.	Clamp No.	Cushion No.	Pipe Size	O.D. Size (mm)	Thickness (mm)	Design Load (KN)
P41-006L	D41-005	RIG1/8"	1/8	10.3	1.5	1.8
P41-008L	D41-006	RIG1/4"	1/4	13.7	1.5	1.8
P41-010L	P41-015	RIG3/8"	3/8	17.1	1.5	1.8
P41-015L	T41-025	RIG1/2"	1/2	21.3	2	2.7
P41-020L	P41-025	RIG3/4"	3/4	26.7	2	2.7
P41-025L	P41-032	RIG1"	1	33.4	2	2.7
P41-032L	D41-020	RIG1-1/4"	1 1/4	42.2	2.5	3.6
P41-040L	T41-050	RIG1-1/2"	1 1/2	48.3	2.5	3.6
P41-050L	D41-026	RIG2"	2	60.3	2.5	3.6
P41-065L	D41-032	RIG2-1/2"	2 1/2	73.0	2.5	3.6
P41-080L	D41-037	RIG3"	3	88.9	3	4.4
P41-090L	P41-100	RIG3-1/2"	3 1/2	101.6	3	4.4
P41-100L	D41-050	RIG4"	4	114.3	3	4.4
P41-125L	D41-060	RIG5"	5	141.3	3.5	4.4
P41-150L	D41-071	RIG6"	6	168.3	3.5	4.4

P41 Series Cushion Clamps for O.D. Tubing

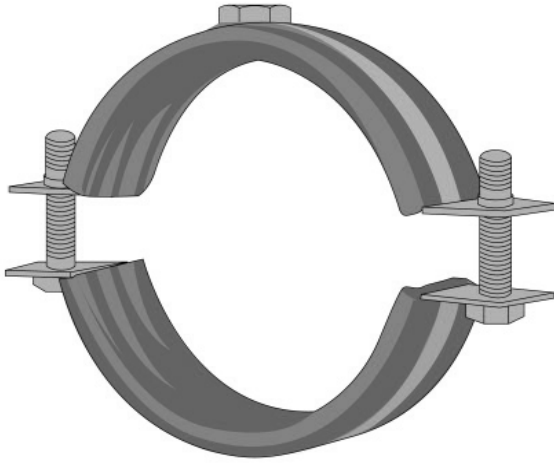


Part No.	Clamp No.	Cushion No.	Pipe Size	O.D. Size (mm)	Thickness (mm)	Design Load (KN)
D41-002L	P41-008	OD1/4"	1/4	6.4	1.5	1.8
D41-003L	T41-010	OD5/16"	5/16	7.9	1.5	1.8
P41-006L	D41-005	RIG1/8"	3/8	9.5	1.5	1.8
P41-008L	D41-006	RIG1/4"	1/2	12.7	1.5	1.8
P41-010L	P41-015	RIG3/8"	5/8	15.9	1.5	1.8
D41-006L	P41-020	OD3/4"	3/4	19.1	2	2.7
P41-015L	T41-025	RIG1/2"	7/8	22.2	2	2.7
D41-010L	D41-012	OD1"	1	25.4	2	2.7
P41-020L	P41-025	RIG3/4"	1 1/8	28.6	2	2.7
D41-012L	T41-032	OD1-1/4"	1 1/4	31.8	2	2.7
P41-025L	P41-032	RIG1"	1 3/8	34.9	2	2.7
D41-014L	T41-040	OD1-1/2"	1 1/2	38.1	2.5	3.6
D41-015L	P41-040	OD1-5/8"	1 5/8	41.3	2.5	3.6
P41-032L	D41-020	RIG1-1/4"	1 3/4	44.5	2.5	3.6
P41-040L	T41-050	RIG1-1/2"	1 7/8	47.6	2.5	3.6
D41-020L	D41-022	OD2"	2	50.8	2.5	3.6
D41-021L	D41-024	OD2-1/8"	2 1/8	54.0	2.5	3.6
D41-022L	D41-025	OD2-1/4"	2 1/4	57.2	2.5	3.6
P41-050L	D41-026	RIG2"	2 3/8"	60.3	2.5	3.6
D41-024L	P41-065	OD2-1/2"	2 1/2	63.5	2.5	3.6
D41-025L	D41-030	OD2-5/8"	2 5/8	66.7	2.5	3.6
P41-065L	D41-032	RIG2-1/2"	2 7/8	73.0	2.5	3.6
D41-030L	D41-033	OD3"	3	76.2	2.5	3.6
D41-031L	P41-080	OD3-1/8"	3 1/8	79.4	2.5	3.6
D41-032L	D41-036	OD3-5/16"	3 5/16	84.1	3	4.4
P41-080L	D41-037	RIG3"	3 1/2	88.9	3	4.4
D41-035L	P41-090	OD3-5/8"	3 5/8	92.1	3	4.4
P41-090L	P41-100	RIG3-1/2"	4	101.6	3	4.4
D41-041L	D41-045	OD4-1/8"	4 1/8	104.8	3	4.4
D41-042L	D41-046	OD4-5/16"	4 5/16	109.5	3	4.4
P41-100L	D41-050	RIG4"	4 1/2	114.3	3	4.4
D41-051L	D41-055	OD5-1/8"	5 1/8	130.2	3.5	4.4
D41-061L	P41-150	OD6-1/8"	6 1/8	155.6	3.5	4.4

P41 Series Cushion Clamps Table

Part No.	Clamp No.	Cushion No.	Thickness (mm)	Design Load (KN)	O.D. Size (mm)
D41-002L	P41-008	OD1/4"	1.5	1.8	6.0-7.4
D41-003L	T41-010	OD5/16"	1.5	1.8	7.5-9.0
P41-006L	D41-005	RIG1/8"	1.5	1.8	9.1-11
P41-008L	D41-006	RIG1/4"	1.5	1.8	12-14
P41-010L	P41-015	RIG3/8"	1.5	1.8	15-18
D41-006L	P41-020	OD3/4"	2	2.7	19-20
P41-015L	T41-025	RIG1/2"	2	2.7	21-23
D41-010L	D41-012	OD1"	2	2.7	24-26
P41-020L	P41-025	RIG3/4"	2	2.7	27-29
D41-012L	T41-032	OD1-1/4"	2	2.7	30-32
P41-025L	P41-032	RIG1"	2	2.7	33-36
D41-014L	T41-040	OD1-1/2"	2.5	3.6	37-39
D41-015L	P41-040	OD1-5/8"	2.5	3.6	40-41
P41-032L	D41-020	RIG1-1/4"	2.5	3.6	42-45
P41-040L	T41-050	RIG1-1/2"	2.5	3.6	46-49
D41-020L	D41-022	OD2"	2.5	3.6	50-52
D41-021L	D41-024	OD2-1/8"	2.5	3.6	53-55
D41-022L	D41-025	OD2-1/4"	2.5	3.6	56-58
P41-050L	D41-026	RIG2"	2.5	3.6	59-62
D41-024L	P41-065	OD2-1/2"	2.5	3.6	63-65
D41-025L	D41-030	OD2-5/8"	2.5	3.6	66-69
P41-065L	D41-032	RIG2-1/2"	2.5	3.6	70-74
D41-030L	D41-033	OD3"	2.5	3.6	75-77
D41-031L	P41-080	OD3-1/8"	2.5	3.6	78-81
D41-032L	D41-036	OD3-5/16"	3	4.4	82-85
P41-080L	D41-037	RIG3"	3	4.4	86-90
D41-035L	P41-090	OD3-5/8"	3	4.4	91-95
P41-090L	P41-100	RIG3-1/2"	3	4.4	98-104
D41-041L	D41-045	OD4-1/8"	3	4.4	105-107
D41-042L	D41-046	OD4-5/16"	3	4.4	108-112
P41-100L	D41-050	RIG4"	3	4.4	113-117
D41-051L	D41-055	OD5-1/8"	3.5	4.4	127-133
P41-125L	D41-060	RIG5"	3.5	4.4	137-143
D41-061L	P41-150	OD6-1/8"	3.5	4.4	152-159
P41-150L	D41-071	RIG6"	3.5	4.4	165-171

PCH-Type Pipe Ring, standard duty

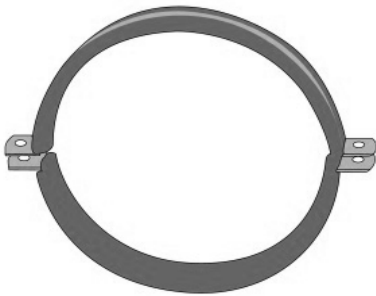


Part No.	(mm) Size Rang	Rod	(mm) Size of Steel	Bolt	(KN) Design Load
PCH-006	8-11	M8	1.5*20	M6*25	1.0
PCH-008	12-16	M8	1.5*20	M6*25	1.0
PCH-010	17-20	M8	1.5*20	M6*25	1.0
PCH-015	21-24	M8	1.5*20	M6*25	1.0
PCH-020	25-28	M8	1.5*20	M6*25	1.0
PCH-025A	29-32	M8	1.5*20	M6*25	1.0
PCH-025	33-37	M8	1.5*20	M6*25	1.0
PCH-032A	38-41	M8	1.5*20	M6*25	1.0
PCH-032	42-46	M8	1.5*20	M6*25	1.0
PCH-040	47-51	M8	1.5*20	M6*25	1.0
PCH-050A	52-56	M8	1.5*20	M6*25	1.0
PCH-050	57-61	M8	1.5*25	M6*25	1.0
PCH-065B	62-66	M8	2.0*25	M6*25	1.2
PCH-065A	67-71	M8	2.0*25	M6*25	1.2
PCH-065	72-77	M8	2.0*25	M6*25	1.2
PCH-080A	78-84	M8	2.0*25	M6*25	1.2
PCH-080	87-93	M8	2.0*25	M6*25	1.2
PCH-090	99-104	M10	2.5*25	M8*25	2.5
PCH-100A	108-112	M10	2.5*25	M8*25	2.5
PCH-100	114-118	M10	2.5*25	M8*25	2.5
PCH-125B	123-128	M10	2.5*25	M8*25	2.5
PCH-125A	131-137	M10	2.5*25	M8*25	2.5
PCH-125	138-144	M10	2.5*25	M8*25	2.5
PCH-150A	157-163	M10	2.5*25	M8*25	2.5
PCH-150	164-170	M10	2.5*25	M8*25	2.5

PR-Type Pipe Ring for Air Duct



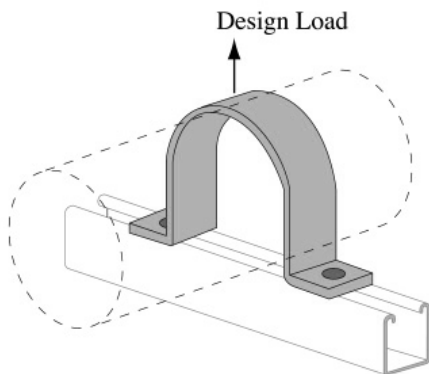
Use with One Rod



Use with Double Rod

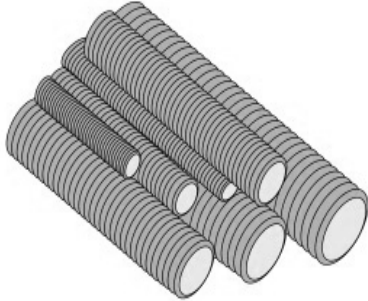
Part No.	Size	Rod	Size of Steel	Bolt	(KN) Design Load
PR-70	70	M8	1.5*25	M6	0.5
PR-80	80	M8	1.5*25	M6	0.5
PR-100	100	M8	1.5*25	M6	0.5
PR-112	112	M8	1.5*25	M6	0.5
PR-125	125	M8	1.5*25	M6	0.5
PR-140	140	M8	1.5*25	M6	0.5
PR-150	150	M8	1.5*25	M6	0.5
PR-160	160	M8	1.5*25	M6	0.5
PR-180	180	M8	1.5*25	M6	0.5
PR-200	200	M8	1.5*25	M6	0.5
PR-224	224	M8	1.5*25	M6	0.5
PR-250	250	M8	1.5*25	M6	0.5
PR-280	280	M8	1.5*25	M6	0.5
PR-300	300	M8	1.5*25	M6	0.5
PR-315	315	M8	1.5*25	M6	0.5
PR-355	355	M8	1.5*25	M6	0.5
PR-400	400	M8	1.5*25	M6	0.5
PR-450	450	M8	1.5*25	M6	0.5
PR-500	500	M10	2.5*25	M10	1.2
PR-560	560	M10	2.5*25	M10	1.2
PR-600	600	M10	2.5*25	M10	1.2
PR-630	630	M10	2.5*25	M10	1.2
PR-710	710	M10	2.5*25	M10	1.2
PR-800	800	M10	2.5*25	M10	1.2
PR-900	900	M10	2.5*25	M10	1.2
PR-1000	1000	M10	2.5*25	M10	1.2

SD-Type Single Piece Saddle Pipe Strap



Part No.		(In) Pipe Size	(mm) O.D. Size	(mm) Size of Steel		Bolt	(KN) Design Load	
SD-Type	SD41-Type			SD-Type	SD41-Type		SD-Type	SD41-Type
SD-015	SD41-015	1/2	21.3	2.0*25	2.0*40	M8	1.7	2.1
SD-020	SD41-020	3/4	26.7	2.0*25	2.0*40	M8	1.7	2.1
SD-025	SD41-025	1	33.4	2.0*25	2.0*40	M8	1.7	2.1
SD-032	SD41-032	1 1/4	42.2	2.0*25	2.0*40	M8	1.7	2.1
SD-040	SD41-040	1 1/2	48.3	2.0*25	2.0*40	M8	1.7	2.1
SD-050	SD41-050	2	60.3	2.5*25	2.5*40	M8	2.1	2.7
SD-065	SD41-065	2 1/2	73.0	2.5*25	2.5*40	M8	2.1	2.7
SD-080	SD41-080	3	88.9	2.5*25	2.5*40	M8	2.1	2.7
SD-090	SD41-090	3 1/2	101.6	2.5*25	2.5*40	M8	2.1	2.7
SD-100	SD41-100	4	114.3	3.0*32	3.0*40	M10	3.0	3.2
SD-125	SD41-125	5	141.3	3.0*32	3.0*40	M10	3.0	3.2
SD-150	SD41-150	6	168.3	3.0*32	3.0*40	M10	3.0	3.2
SD-200	SD41-200	8	219.1	3.0*32	4.0*40	M10	3.0	4.3

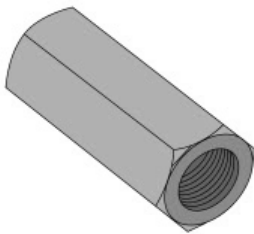
THREADED RODS



Material : Low Carbon Steel
 Finish : Threaded Rods are supplied with standard Zinc-Plated Electro-Galvanized finish. Stainless Steel of grade 304 and Hot-Dipped Galvanized finish are also available upon request.
 Range : Standard sizes are available in both metric and imperial threads up to 20mm and 3/4". Larger sizes are available upon special order.
 Length : Standard 2 metres for all metric rods. Standard 6 foot lengths for imperial rods. Other lengths also available.

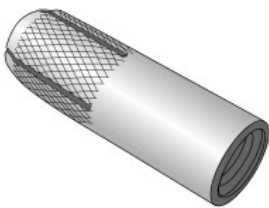
Part No	Type of Threading		(KN) Allowable Load
	Metric Size	Imperial Size	
G-TR-06	M6	1/4"	1.1
G-TR-08	M8	5/16"	2.0
G-TR-10	M10	3/8"	3.2
G-TR-12	M12	1/2"	4.7
G-TR-16	M16	5/8"	8.8
G-TR-20	M20	3/4"	13.8

STEEL ROD COUPLER



Part No	Sizes	
	Metric (mm)	Imperial (Inch)
G-STC-06	M6	1/4"
G-STC-08	M8	5/16"
G-STC-10	M10	3/8"
G-STC-12	M12	1/2"
G-STC-16	M16	5/8"
G-STC-20	M20	3/4"

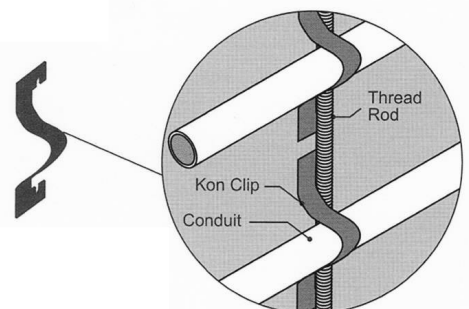
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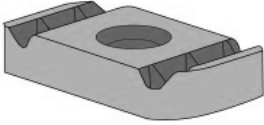



Part No	Sizes		(KN) Allowable Pulling Load	(KN) Allowable Shearing Load
	Metric (mm)	Imperial (Inch)		
G-DIA-06	M6 x 25	1/4"	2.3	1.9
G-DIA-08	M8 x 30	5/16"	3.3	2.9
G-DIA-10	M10 x 40	3/8"	4.8	3.4
G-DIA-12	M12 x 50	1/2"	7.1	6.6
G-DIA-16	M16 x 65	5/8"	10.8	9.7
G-DIA-20	M20 x 80	3/4"	14.5	16.1

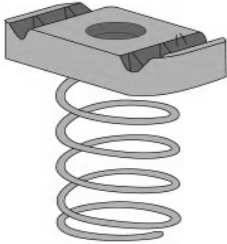
KON CLIP

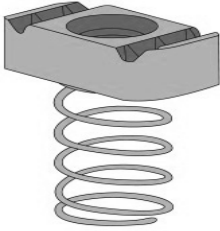
Part No	Clip Sizes	Conduit Sizes	
		Metric (mm)	Imperial (Inch)
G-KC-20	K-12	20	3/4"
G-KC-25	K-16	25	1"



	CHANNEL NUT WITHOUT SPRING		
	Part No.	Thread Size Metric (MM)	Thread Size Imperial (INCH)
	G-CNWS-06	6	1/4"
	G-CNWS-08	8	5/16"
	G-CNWS-10	10	3/8"
	G-CNWS-12	12	1/2"
	G-CNWS-16	16	5/8"

	SHORT SPRING NUT		
	Part No.	Thread Size Metric (MM)	Thread Size Imperial (INCH)
	G-SSN-06	6	1/4"
	G-SSN-08	8	5/16"
	G-SSN-10	10	3/8"

	REGULAR SPRING NUT		
	Part No.	Thread Size Metric (MM)	Thread Size Imperial (INCH)
	G-RSN-06	6	1/4"
	G-RSN-08	8	5/16"
	G-RSN-10	10	3/8"
	G-RSN-12	12	1/2"
	G-RSN-16	16	5/6"

	LONG SPRING NUT		
	Part No.	Thread Size Metric (MM)	Thread Size Imperial (INCH)
	G-LSN-06	6	1/4"
	G-LSN-08	8	5/16"
	G-LSN-10	10	3/8"
	G-LSN-12	12	1/2"
	G-LSN-16	16	5/6"

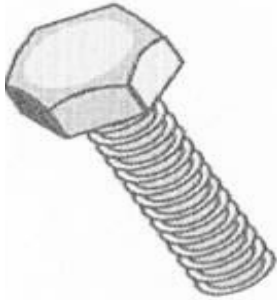
Channel Nut Performance			
Channel Nut	Torque (NM)	Slip Load (kg)	Pull Out Load (kg)

Mild Steel			
M6	15	209	476
M8	28	295	500
M10	56	365	710
M12	65	406	855

Stainless Steel			
M6	18	28	252
M8	18	61	453
M10	35	122	700
M12	56	172	750

HEX BOLT

GS-HB-M



HEX BOLT	
6	1/4"
8	5/16"
10	3/8"
12	1/2"
16	5/8"
20	3/4"

LENGTH OF THREAD
20
25
30
35
40
50

TRUSS HEAD SCREW

GS-THS



TRUSS HEAD SCREW	
6	1/4"
8	5/16"
10	3/8"
12	1/2"
16	5/8"
20	3/4"

LENGTH OF THREAD
20
25
30
35
40
50

LOCK WASHER

GS-LW



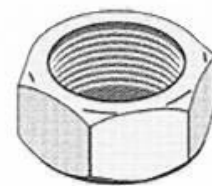
FLAT WASHER

GS-FW



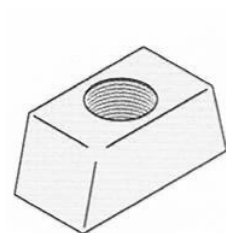
WEDGE NUT

GS-WN



HEX NUT

GS-HN



G-STRUT



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