

CHANNEL SUPPORT



ROYALE EXPORT

Serving Clients Globally



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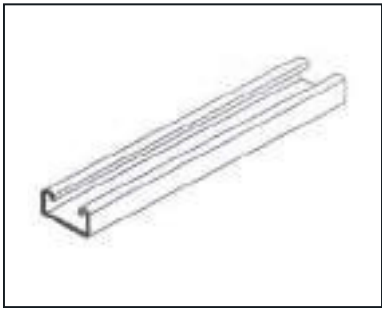
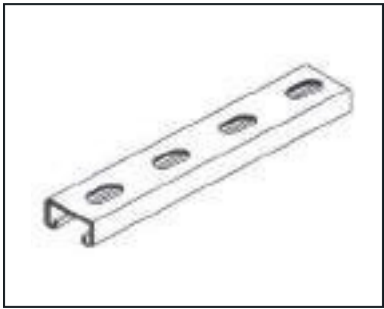
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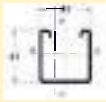
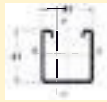
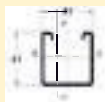


MATERIAL:

Mild Steel. Also other materials can also be provided on request.

FINISH AVAILABLE:

Plain, Electro-Galvanized, Hot dip Galvanized, Pre Galvanized & Zinc Flake.

Product Code Size	Unit						
		TGSCH0P412115 41 X 21 X 1.5	TGSCH0P414115 41 X 41 X 1.5	TGSCH0P412120 41 X 21 X 2.0	TGSCH0P414120 41 X 41 X 2.0	TGSCH0P412125 41 X 21 X 2.5	TGSCH0P414125 41 X 41 X 2.5
Area of Shear	cm ²	0.42	1.02	0.55	1.34	0.67	1.67
Moment of Inertia (xx)	cm	0.7	3.87	0.88	4.59	1.03	5.87
Moment of Inertia (yy)	cm	3.34	5.68	4.25	6.99	5.07	8.76
Min.Section Modulus	cm	0.6	1.76	0.75	2.18	0.89	2.72
Wrapping Constant	cm	17.49	114.17	21.34	138.49	24.34	171.52
Torsional Constant	cm	0.01	0.02	0.02	0.03	0.06	0.07
Allowable-Bending Stress	kN/cm ²	21.82	21.82	21.82	21.82	21.82	21.82
Allowable Shear Stress	kN/cm ²	12.6	12.6	12.6	12.6	12.6	12.6

SLOT SIZE : 12/30, 14/28.

Requested slot size can be manufactured.

CHANNEL

RESCHP0000000

SCHN 21



SCHN 41



SCHN 62



SCHN 21D



SCHN 41D



SCHN 62D



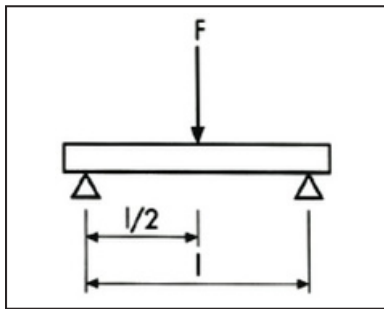
MATERIAL:

Mild Steel. Also other materials can be provided on request

FINISH AVAILABLE:

Electro-Galvanized, Hot Dip Galvanized & Zinc Flake.

PRODUCT CODE	ITEM	LENGTH L (M)	THICKNESS S (M)
RESCHP2102002	SCHN 21/2.0 - 2M	2	2.0
RESCHP2102003	SCHN 21/2.0 - 3M	3	2.0
RESCHP2102503	SCHN 21/2.5 - 3M	3	2.5
RESCHP2102506	SCHN 21/2.5 - 6M	6	2.5
RESCHP4102002	SCHN 41/2.0 - 2M	2	2.0
RESCHP4102003	SCHN 41/2.0 - 3M	3	2.0
RESCHP4102006	SCHN 41/2.0 - 6M	6	2.0
RESCHP4102502	SCHN 41/2.5 - 2M	2	2.5
RESCHP4102503	SCHN 41/2.5 - 3M	3	2.5
RESCHP4102506	SCHN 41/2.5 - 6M	6	2.5
RESCHP6202506	SCHN 62/2.5 - 6M	6	2.5
RESCHP21D2003	SCHN 21D/2.0 - 3M	3	2.0
RESCHP41D2506	SCHN 41D/2.5 - 6M	6	2.5
RESCHP62D2506	SCHN 62D/2.5 - 6M	6	2.5



Item	Weight W (kg/m)	Area A (mm ²)	Moment of inertia I _y (mm ⁴)	Moment of inertia I _z (mm ⁴)	Section modulus W _y (mm ³)	Section modulus W _z (mm ³)	Max recommended static load				
							Length =		Length =		
							Length = 5 M Frec (KN)	1 M Frec (KN)	1.5 M Frec (KN)	Length = 2 M Frec (KN)	Length = 3 M Frec (KN)
SCHN 21/2.0	1.44	172	9700	46600	890	2270	1.14	0.49	0.22	0.12	0.05
SCHN 21/2.5	1.67	199	10300	52800	930	2580	1.19	0.52	0.23	0.13	0.06
SCHN 41/2	2.06	252	53300	76900	2580	3750	3.3	1.65	1.10	0.67	0.30
SCHN 41/2.5	2.45	300	60000	89900	285	4380	3.65	1.82	1.22	0.76	0.34
SCHN 62/2.5	3.27	405	177000	129000	5620	6290	7.19	3.60	2.40	1.80	0.99
SCHN 21D/2	2.87	344	54900	93100	2610	4540	3.34	1.67	1.11	0.69	0.31
SCHN 41D/2.5	4.89	600	350100	179000	8760	8780	11.21	5.61	3.74	2.80	1.57
SCHN 62D/2.5	6.55	809	1110000	258000	17900	12580	22.91	11.46	7.64	5.73	3.82

CHANNEL WASHER

RECW000000000

**MATERIAL:**

Mild Steel. Also other materials can be provided on request

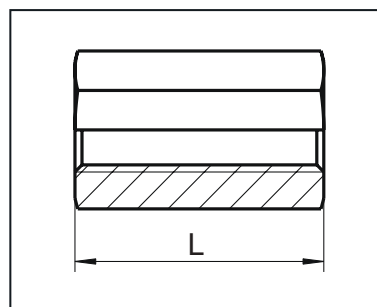
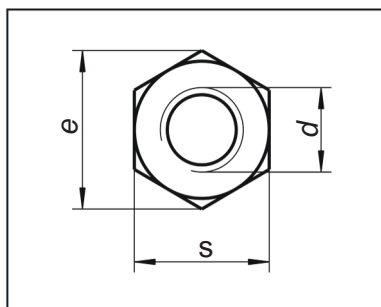
FINISH AVAILABLE:

Electro-Galvanized, Hot Dip Galvanized & Zinc Flake.

ITEM	FOR CHANNEL
RECW000000008	M8
RECW000000010	M10
RECW000000012	M12

COUPLING NUT

RECPN00M00000

**MATERIAL:**

Mild Steel. Also other materials can be provided on request

FINISH AVAILABLE:

Electro-Galvanized, Hot Dip Galvanized & Zinc Flake.

ITEM	LENGTH L (MM)	THREAD D	S	E
TGCPN00ME0006	18	M6	10	11.1
TGCPN00ME0008	24	M8	13	15.0
TGCPN00ME0010	30	M10	17	19.6
TGCPN00ME0012	36	M12	19	21.9
TGCPN00ME0016	48	M16	24	27.7



MATERIAL:

Mild Steel. Also other materials can be provided on request

FINISH AVAILABLE:

Electro-Galvanized, Hot Dip Galvanized & Zinc Flake.

ITEM	THREAD M	THICKNESS S (MM)	FOR CHANNEL
TGRN000028006	M6	4	27/18-28/30
TGRN000028008	M8	5	27/18-28/30
TGRN000028010	M10	5	27/18-28/30
TGRN000041006	M6	-	38/40-40/62
TGRN000041008	M8	-	38/40-40/62
TGRN000041010	M10	-	38/40-40/62

CANTILEVER ARM

RECA000000000



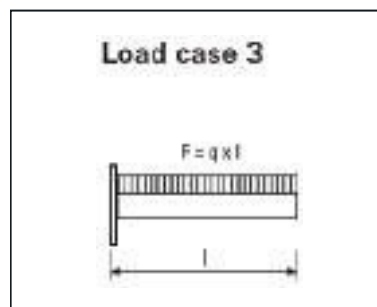
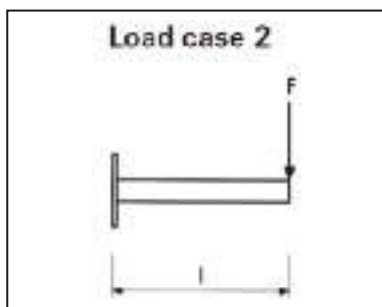
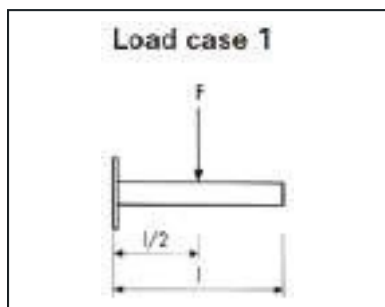
MATERIAL:

Mild Steel. Also other materials can be provided on request

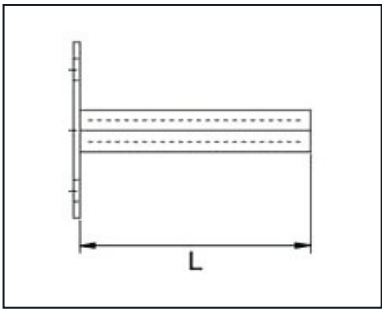
FINISH AVAILABLE:

Electro-Galvanized, Hot Dip Galvanized & Zinc Flake.

PRODUCT CODE	PRODUCT DESCRIPTION	LENGTH
RECA0E4100300	41/2.5	300
RECA0E4100450	41/2.5	450
RECA0E4100600	41/2.5	600
RECA0E4100750	41/2.5	750
RECA0E6201000	62/2.5	1000



PRODUCT CODE	MAX RECOMMENDED STATIC LOAD		
	LOAD CASE 1 FREC (kN)	LOAD CASE 2 FREC (kN)	LOAD CASE 3 FREC (kN)
RECA0E4100300	2.67	1.3	2.67
RECA0E4100450	1.8	0.9	1.8
RECA0E4100600	1.33	0.67	1.33
RECA0E4100750	1.05	0.45	1.05
RECA0E6201000	1.7	0.74	1.7



APPLICATION:

Provides strength and stability to various support system application.

MATERIAL:

Mild Steel. Also other materials can also be provided on request

FINISH AVAILABLE:

Electro-Galvanized, Hot Dip Galvanized & Zinc Flake.

PRODUCT CODE	PRODUCT DESCRIPTION	LENGTH
REDCAE4100150	41 X 41	150
REDCAE4100300	41 X 41	300
REDCAE4100450	41 X 41	450
REDCAE4100600	41 X 41	600
REDCAE4100750	41 X 41	750
REDCAE4100900	41 X 41	900

WALL BRACKET FOR CHANNEL

REWBC00000000



Saddle Support :41/21 , 41/41

FIELD OF APPLICATION :

- Simple assembly of strong cross-beams using Support channels
- Applicable for cramped installation
- Conditions in shafts and ducts

ADVANTAGES:

- The vertical and horizontal holes in the base plate enable simple alignment of the Saddle support
- Good load transfer due to the high bending stiffness of the saddle connection
- Ideal connecting element for channel section structures
- The section 38/80 provides torque-resistant support as channel is encompassed on both sides

PROTECTION CAPS

REPC000000000



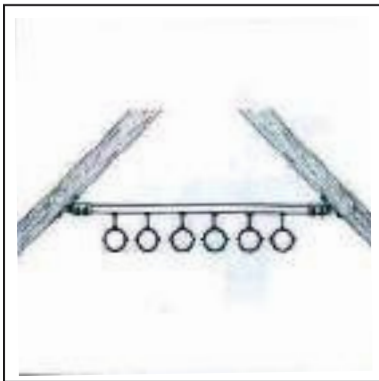
FOR SUPPORT CHANNEL

41mm X 41mm 41mm X
21mm

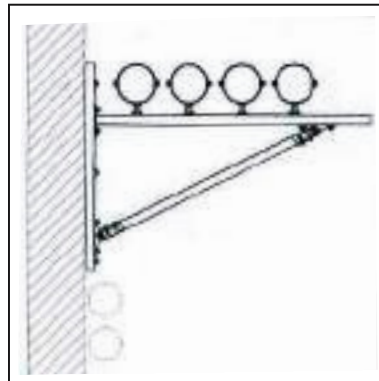


ADVANTAGES:

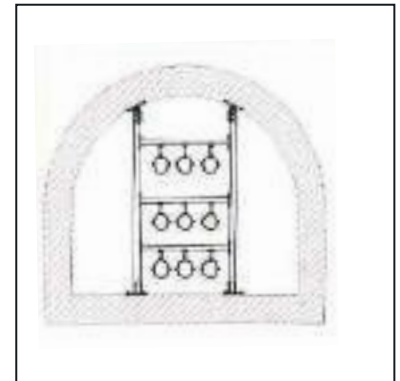
- The specialist product in solving problems when connecting Support Channels to inclined surfaces
- Flexible angle adjustment during installation possible
- Easy and quick fastening owing to pre-mounted Double Rail Nut
- Fixing to the Support Channel in any direction possible when using profile 38/40
- Ideal for installation at slope main truss, vaults and semicircular cable shafts



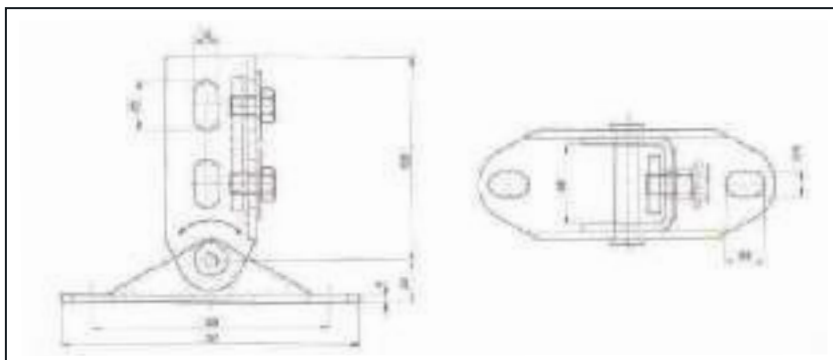
Installation of a pipe bracket
at slope main truss



Pipe installation to Wall
Bracket with diagonal strut



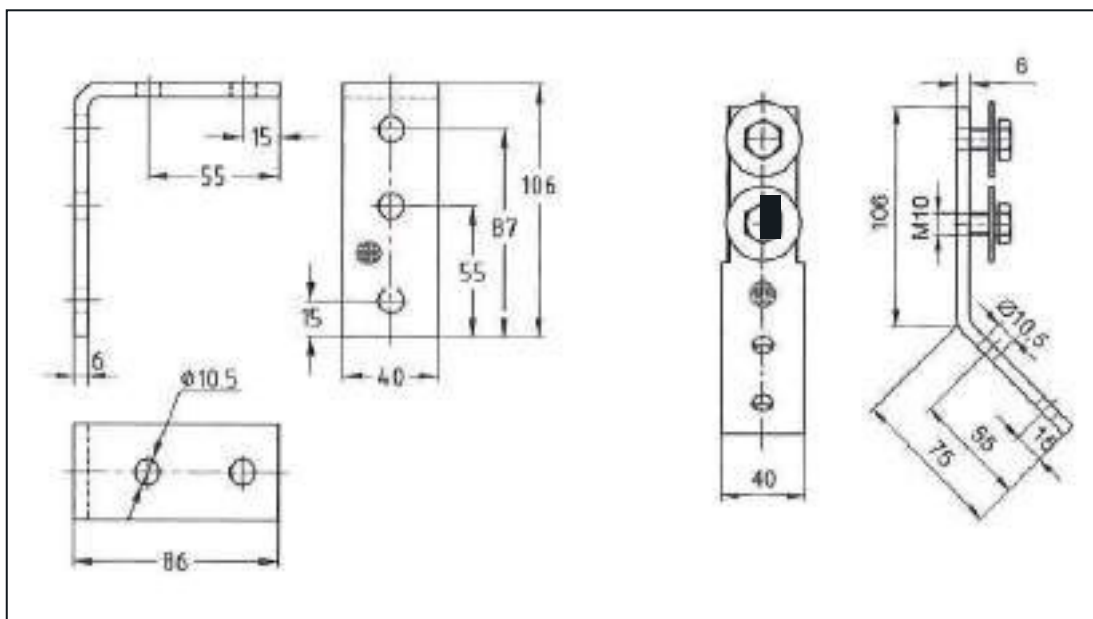
Installation of a support frame in
vaults or semicircular shafts



DATA :

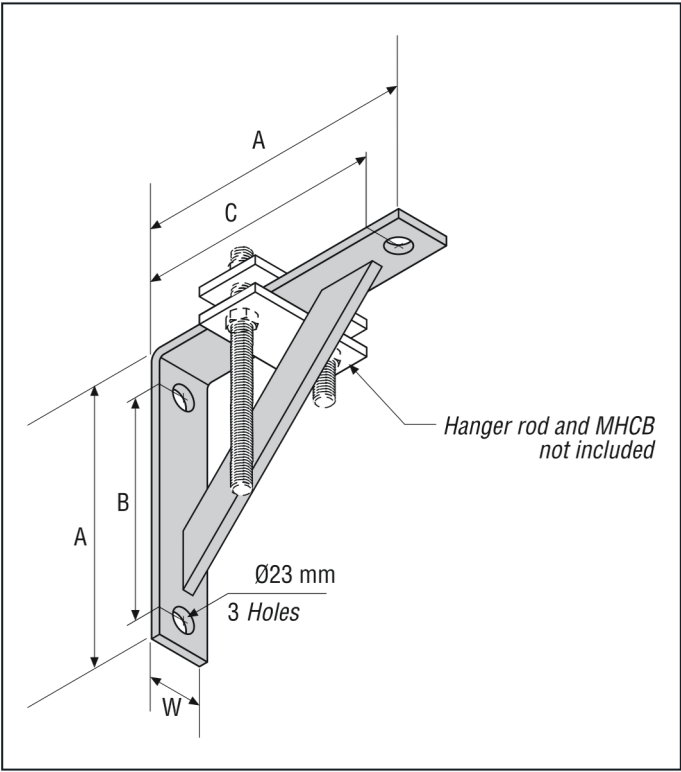
Pre-mounted consists of:

- 1 Saddle Support
- 1 Double Rail Nut
- 2 Hexagon Head bolts M10
- 2 Washers



- Solid fixing element for construction of pre-wall installations and shelves as well as for channel constructions for attachments of pipelines and air ducts without welding
- Also applicable for direct mounting on walls, ceilings or floors
- Suitable for outdoor use

- Versatile in use due to oblong holes
e.g. as:
- Angular support bracket Angular load-bearing bracket
- Connection element
- Angular bracket
- Multi-purpose component for professional, practical installation solutions



MATERIAL :

Mild Steel.

FINISH AVAILABLE :

Electro-Galvanized, Hot Dip Galvanized & Zinc Flake.

PRODUCT CODE	A MM	B MM	C MM	W MM	DESIGN LOAD (KN)
TGLWB000E0229	229	155	203	50	3,33
TGLWB000E0330	330	257	305	50	3,33
TGLWB000E0483	483	409	457	50	3,33

RE-AF 2



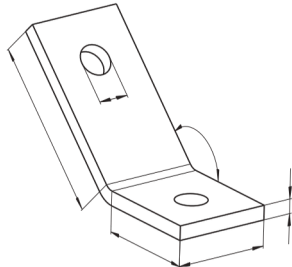
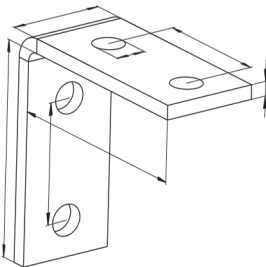
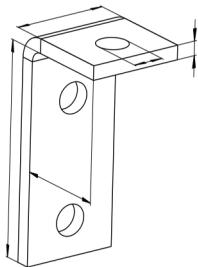
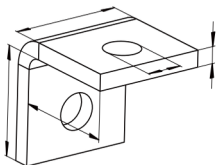
RE-AF 3



RE-AF 4



RE-AF 2/1350

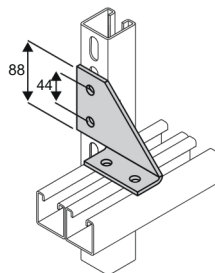
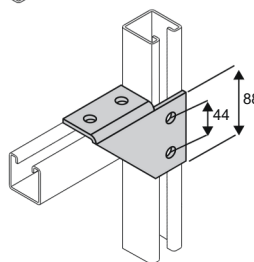
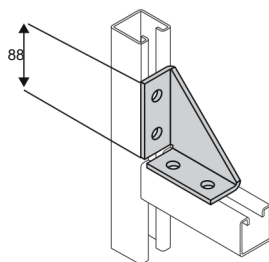
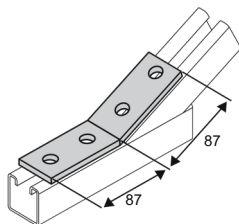
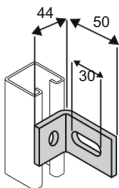
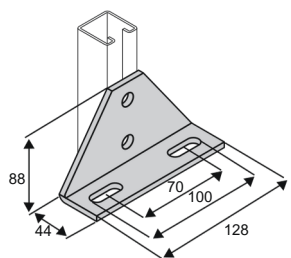
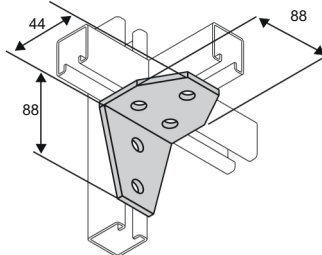
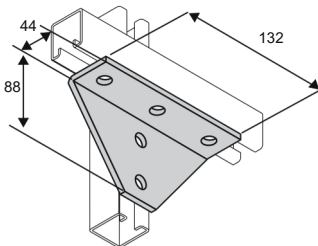
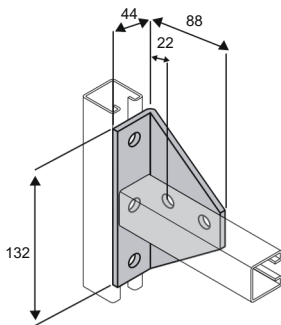


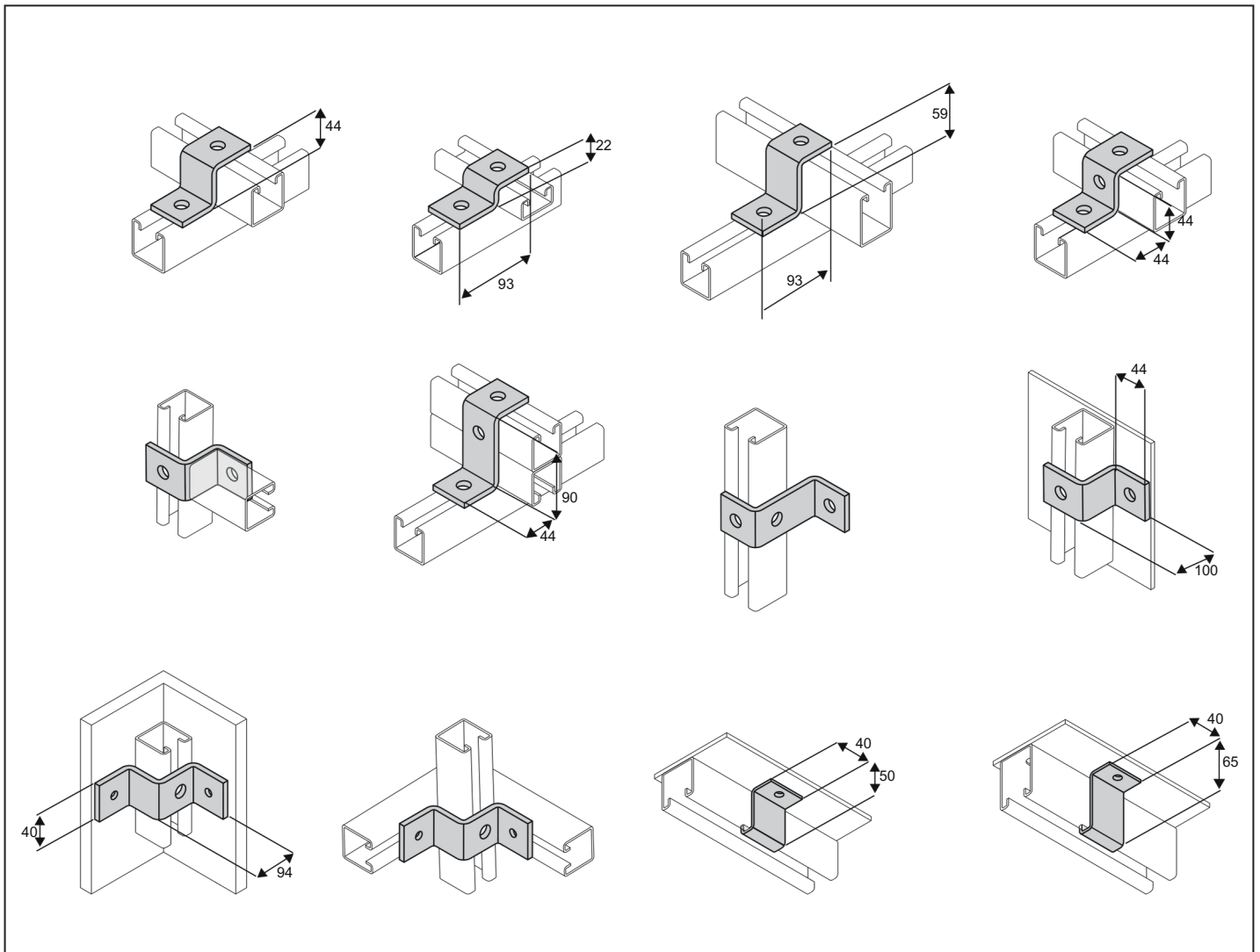
MATERIAL:

Mild Steel. Also other materials can be provided on request

FINISH AVAILABLE:

Electro-Galvanized, Hot Dip Galvanized & Zinc Flake.





Unless otherwise specified assume that all holes dia 14 mm, thickness 6mm and for 41 series.

MATERIAL:

Mild Steel.

FINISH AVAILABLE :

Electro-Galvanized, Hot Dip Galvanized & Zinc Flake.

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