

Stone Cladding Bracket – UDTN Type



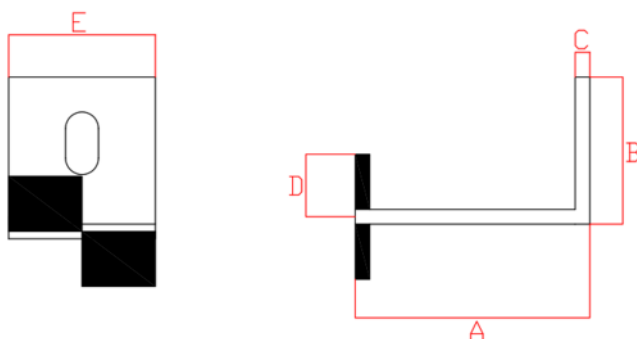
Characteristics

- Material: Galvanized Steel (**Zinc Plated – HDG**), Stainless Steel (**304 - 316**).
- Corrosion protection via zinc coating or stainless-steel construction.
- Durable design suitable for industrial and commercial applications.
- Variant design for different air cavity space.

Applications

- Easy Installation for stone cladding application.
- Easy adjustments can be made.
- Suitable for industrial and commercial building insulation projects.

Dimensions – UDTN Type



A (mm)	20 - 150
B (mm)	30 - 80
C (mm)	2 - 8
D (mm)	10 - 60
E (mm)	20 - 80
Slotted Hole	M12

Dimensions are not limited to the previous table.
Load Baring Capacity: As per calculation report.

Stone Cladding Bracket – UTN Type



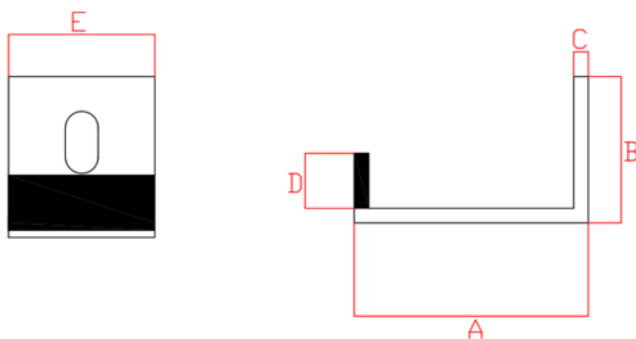
Characteristics

- Material: Galvanized Steel (**Zinc Plated – HDG**), Stainless Steel (**304 - 316**).
- Corrosion protection via zinc coating or stainless-steel construction.
- Durable design suitable for industrial and commercial applications.
- Variant design for different air cavity space.

Applications

- Easy Installation for stone cladding application.
- Easy adjustments can be made.
- Suitable for industrial and commercial building insulation projects.

Dimensions – UTN Type



A (mm)	20 - 150
B (mm)	30 - 80
C (mm)	2 - 8
D (mm)	10 - 60
E (mm)	20 - 80
Slotted Hole	M12

Dimensions are not limited to the previous table.
Load Baring Capacity: As per calculation report.

Stone Cladding Bracket – DTN Type



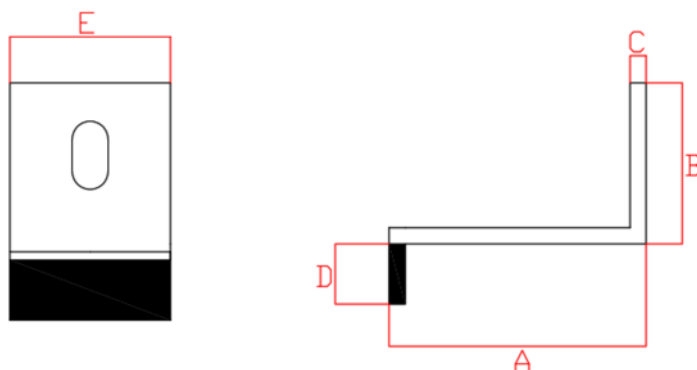
Characteristics

- Material: Galvanized Steel (**Zinc Plated – HDG**), Stainless Steel (**304 - 316**).
- Corrosion protection via zinc coating or stainless-steel construction.
- Durable design suitable for industrial and commercial applications.
- Variant design for different air cavity space.

Applications

- Easy Installation for stone cladding application.
- Easy adjustments can be made.
- Suitable for industrial and commercial building insulation projects.

Dimensions – DTN Type



A (mm)	20 - 150
B (mm)	30 - 80
C (mm)	2 - 8
D (mm)	10 - 60
E (mm)	20 - 80
Slotted Hole	M12

Dimensions are not limited to the previous table.

Load Baring Capacity: As per calculation report.

Stone Cladding Bracket – UDWTN Type



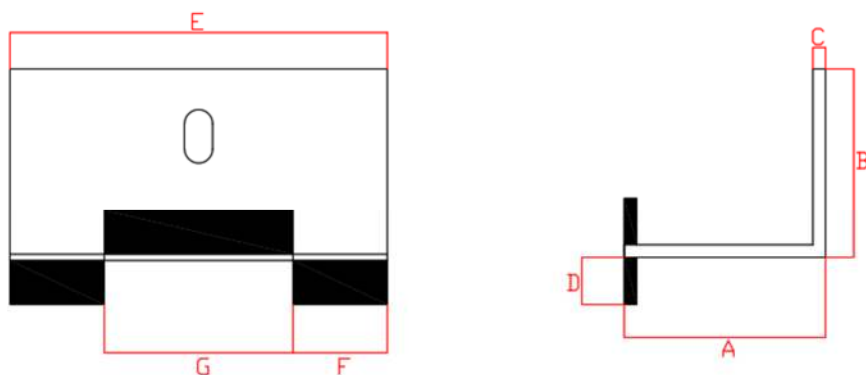
Characteristics

- Material: Galvanized Steel (**Zinc Plated – HDG**), Stainless Steel (**304 - 316**).
- Corrosion protection via zinc coating or stainless-steel construction.
- Durable design suitable for industrial and commercial applications.
- Variant design for different air cavity space.

Applications

- Easy Installation for stone cladding application.
- Easy adjustments can be made.
- Suitable for industrial and commercial building insulation projects.

Dimensions – UDWTN Type



A (mm)	20 - 150
B (mm)	30 - 80
C (mm)	2 - 8
D (mm)	10 - 60
E (mm)	20 - 80
F (mm)	Varies
G (mm)	Varies
Slotted Hole	M12

Dimensions are not limited to the previous table.
Load Baring Capacity: As per calculation report.

Stone Cladding Bracket – U135TN Type



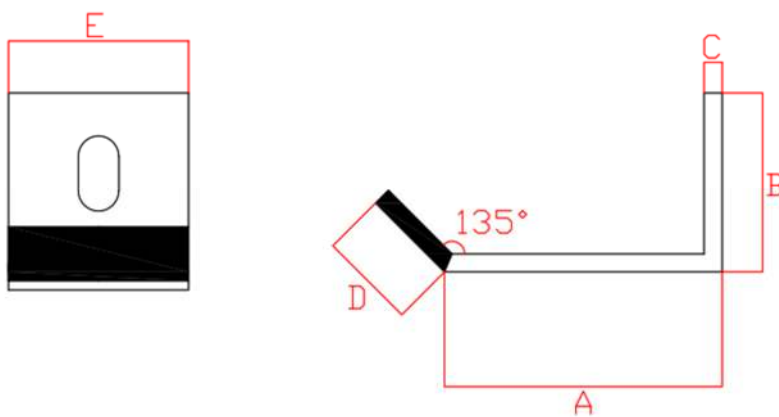
Characteristics

- Material: Galvanized Steel (**Zinc Plated – HDG**), Stainless Steel (**304 - 316**).
- Corrosion protection via zinc coating or stainless-steel construction.
- Durable design suitable for industrial and commercial applications.
- Variant design for different air cavity space.

Applications

- Easy Installation for stone cladding application.
- Easy adjustments can be made.
- Suitable for industrial and commercial building insulation projects.

Dimensions – U135TN Type



A (mm)	20 - 150
B (mm)	30 - 80
C (mm)	2 - 8
D (mm)	10 - 60
E (mm)	20 - 80
Angle	135°
Slotted Hole	M12

Dimensions are not limited to the previous table.
Load Baring Capacity: As per calculation report.

Stone Cladding Bracket – OOB Type



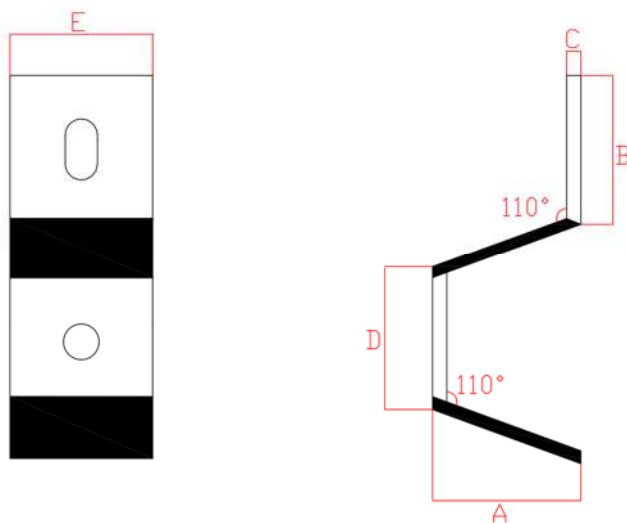
Characteristics

- Material: Galvanized Steel (**Zinc Plated – HDG**), Stainless Steel (**304 - 316**).
- Corrosion protection via zinc coating or stainless-steel construction.
- Durable design suitable for industrial and commercial applications.
- Variant design for different air cavity space.

Applications

- Easy Installation for stone cladding application.
- Easy adjustments can be made.
- Suitable for industrial and commercial building insulation projects.

Dimensions – OOB Type



A (mm)	20 - 70
B (mm)	35 - 60
C (mm)	3 - 5
D (mm)	40
E (mm)	35 - 60
Slotted Hole	M12
Round Hole	M10

Dimensions are not limited to the previous table.

Load Baring Capacity: As per calculation report.

Stone Cladding Bracket – OOB2 Type



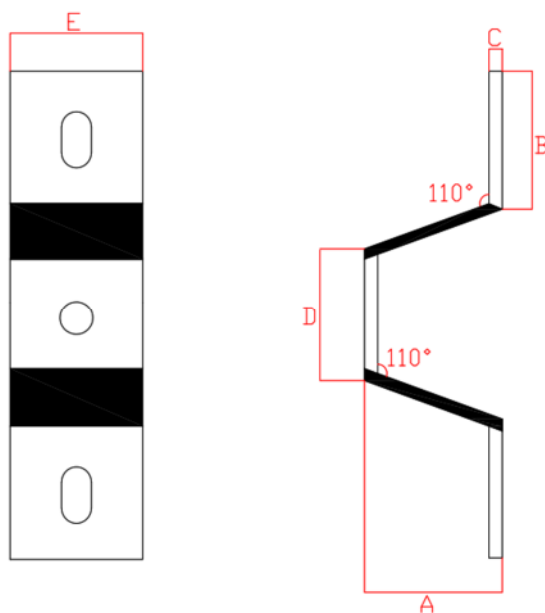
Characteristics

- Material: Galvanized Steel (**Zinc Plated – HDG**), Stainless Steel (**304 - 316**).
- Corrosion protection via zinc coating or stainless-steel construction.
- Durable design suitable for industrial and commercial applications.
- Variant design for different air cavity space.

Applications

- Easy Installation for stone cladding application.
- Easy adjustments can be made.
- Suitable for industrial and commercial building insulation projects.

Dimensions – OOB2 Type

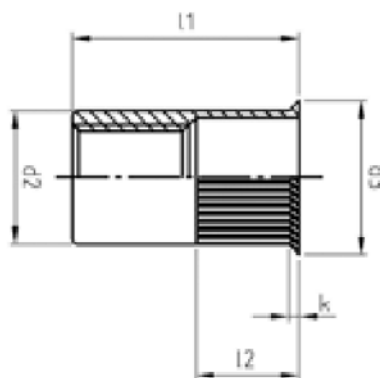
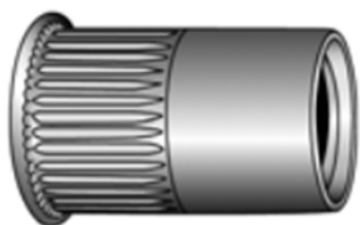


A (mm)	20 - 70
B (mm)	35 - 60
C (mm)	3 - 5
D (mm)	40
E (mm)	35 - 60
Slotted Hole	M12
Round Hole	M10

Dimensions are not limited to the previous table.

Load Baring Capacity: As per calculation report.

90131 – Stainless steel Revit Nut – Small CSK Head



D	6	8	10	12
l1	14	15.5	19.5	24
d2	8.9	10.9	12.9	15.9
d3	10	12	14.5	17
l2	6.5	7.5	9	10
k	0.6	0.6	0.7	0.7

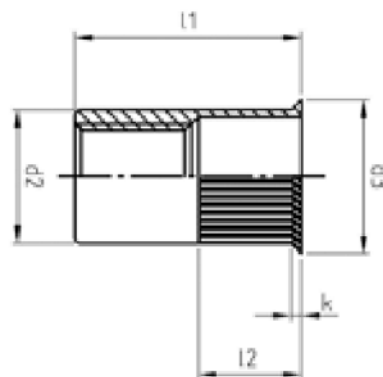
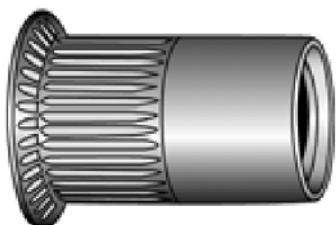
Characteristics

- Material: **stainless steel (304 - 316)**.
- **Small countersunk head**
- Corrosion protection via stainless-steel construction.
- Durable design suitable for industrial and commercial applications.

Applications

- Fastening Aluminum frames.
- Suitable for industrial and commercial building insulation projects.

90132 – Stainless steel Revit Nut – CSK Head



D	6	8	10	12
l1	16	19	21	24
d2	8.9	10.9	12.9	15.9
d3	12	14	16	18
l2	7	8.5	9	10
k	1.7	1.7	1.7	1.7

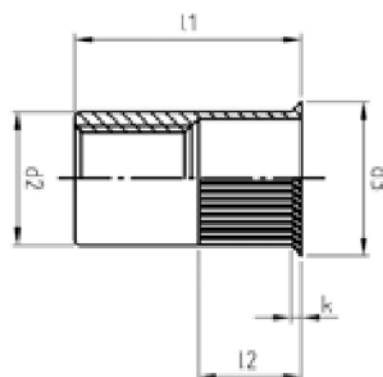
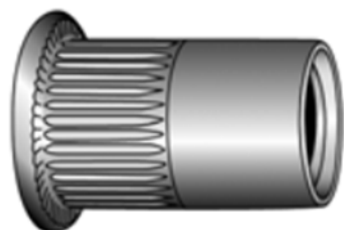
Characteristics

- Material: **stainless steel (304 - 316)**.
- **Countersunk head**
- Corrosion protection via stainless-steel construction.
- Durable design suitable for industrial and commercial applications.

Applications

- Fastening Aluminum frames.
- Suitable for industrial and commercial building insulation projects.

90133 – Stainless steel Revit Nut – Flat Head



D	6	8	10	12
l1	14.5-16	16-18.5	17-22	23
d2	8.9	10.9	12.9	15.9
d3	13	16	19	23
l2	8-10	8.5-11	10-13	12
k	1.5	1.5	2	2

Characteristics

- Material: **stainless steel (304 - 316)**.
- **Flat head**
- Various Rivet lengths available to suit different thicknesses.
- Corrosion protection via stainless-steel construction.
- Durable design suitable for industrial and commercial applications.

Applications

- Fastening Aluminum frames.
- Suitable for industrial and commercial building insulation projects.

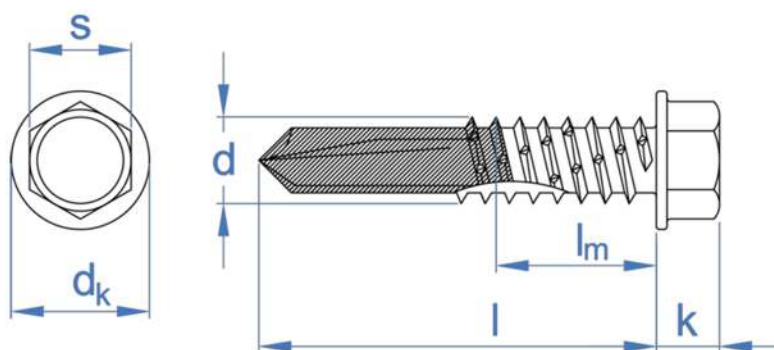


Technical Data

Revit nut resistance characteristics

Size (mm)	Tension (Kn)	Shear (Kn)
6	2	1.5
8	3.5	3
10	5	4.5
12	8	7

BI Metal Self drilling screw – High Drill Capacity



D	5.5
Dk (mm)	10.5
K (mm)	5.3
S (mm)	8
P (mm)	1.8
IM (mm)	Up to 30
L (mm)	40-100
Drill Capacity (mm)	Up to 12

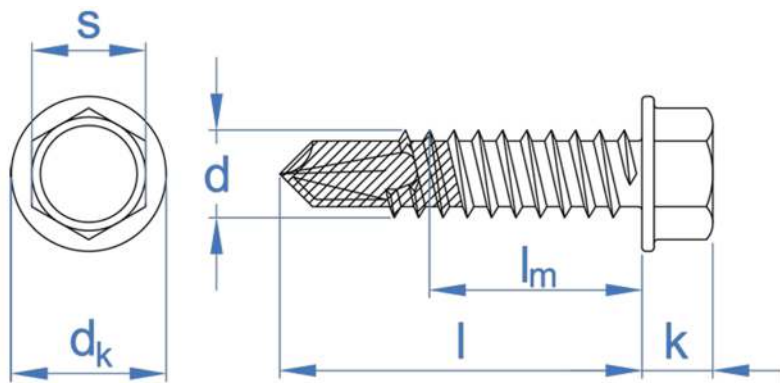
Characteristics

- Self-drilling stainless steel screw with tempered steel tip welded to the screw body, allows drilling and screwing directly without previous drilling.
- Combines stainless steel properties (AISI 316/A4 head and body) or (AISI 304/A2 head and body) with those of self-drilling screws (hardened steel tip), allowing its use as self-drilling screw with high corrosion protection.
- Atlantis C3-H covering, with high corrosion resistance, so the screw tip is protected from corrosion in the highest aggressive conditions.

Applications

- Self Drilling Screw into Steel – Steel and Aluminum.
- Fastening Aluminum frames.
- Suitable for industrial and commercial building insulation projects.

BI Metal Self drilling screw – Low Drill Capacity



D	4.8	5.5	6.3
Dk (mm)	10	10.5	12.5
K (mm)	4.3	5.3	6.3
S (mm)	8	8	10
P (mm)	1.6	1.8	1.8
IM (mm)	9	20	22
L (mm)	25	25-80	35-120
Drill Capacity (mm)	Up to 4.4	Up to 5.25	Up to 6

Characteristics

- Self-drilling stainless steel screw with tempered steel tip welded to the screw body, allows drilling and screwing directly without previous drilling.
- Combines stainless steel properties (AISI 316/A4 head and body) or (AISI 304/A2 head and body) with those of self-drilling screws (hardened steel tip), allowing its use as self-drilling screw with high corrosion protection.
- Atlantis C3-H covering, with high corrosion resistance, so the screw tip is protected from corrosion in the highest aggressive conditions.

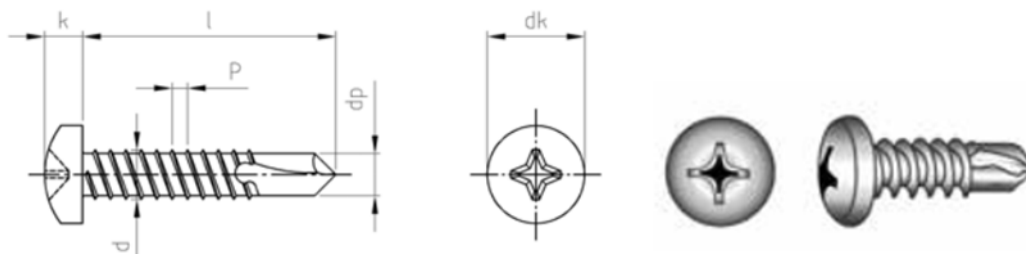
Applications

- Self Drilling Screw into Steel – Steel and Aluminum.
- Fastening Aluminum frames.
- Suitable for industrial and commercial building insulation projects.

Screw Characteristic Resistances

D	4.8	5.5	6.3
Tension (Kn)	5.65	9.34	13.36
Shear (Kn)	2.82	4.67	6.68

DIN 7504 – Pan head Self drilling screw



D	2.9	3.5	3.9	4.2	5.8	5.5
dk	5.6	6.9	7.5	8.2	9.5	10.8
k	2.2	2.6	2.8	3.05	3.55	3.95
p	0.9	1.2	1.3	1.4	1.6	1.8
dp	2.3	2.8	3.1	3.6	4.1	4.8
l	6-70	6-90	6-120	12-180	12-220	12-250

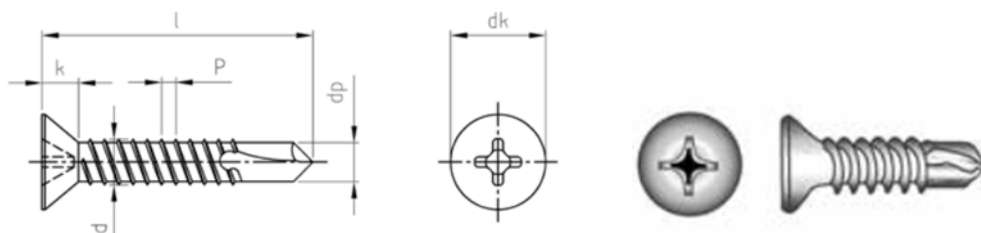
Characteristics

- Material: Galvanized steel (**zinc plated – Black steel**), stainless steel (304 - 316).
- **Pan Head with PH recess**
- Various screw and tip lengths available to suit different thicknesses.
- Corrosion protection via zinc coating or stainless-steel construction.
- Durable design suitable for industrial and commercial applications.

Applications

- Self Drilling Screw into Steel - Aluminum and Wood.
- Fastening Aluminum frames.
- Suitable for industrial and commercial building insulation projects.

DIN 7504 – Countersunk head Self drilling screw



D	3.5	3.9	4.2	4.8
dk	7.3	7.5	8.4	9.3
k	2.1	2.3	2.5	3
p	1.2	1.3	1.4	1.5
dp	2.8	3.1	3.6	4.1
l	6-90	6-120	12-180	12-220

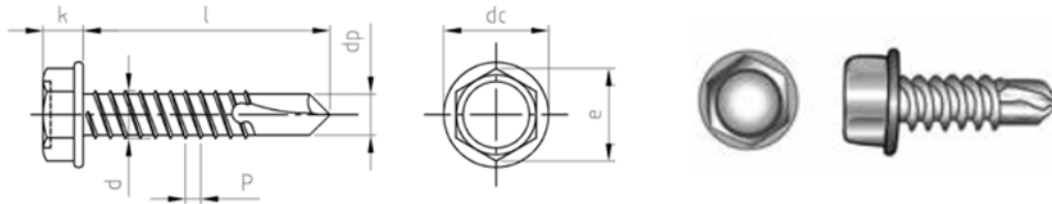
Characteristics

- Material: Galvanized steel (**zinc plated – Black steel**), stainless steel (304 - 316).
- **Countersunk Head with PH recess**
- Various screw and tip lengths available to suit different thicknesses.
- Corrosion protection via zinc coating or stainless-steel construction.
- Durable design suitable for industrial and commercial applications.

Applications

- Self Drilling Screw into Steel - Aluminum and Wood.
- Fastening Aluminum frames.
- Suitable for industrial and commercial building insulation projects.

DIN 7504 – HEX head Self drilling screw



D	3.5	3.9	4.2	4.8	5.5	6.3
e	5.96	5.96	7.59	8.71	8.71	10.95
dc	8.3	8.3	8.8	10.5	11	13.2
k	3.4	3.4	4.1	4.3	5.4	5.9
p	1.2	1.3	1.4	1.6	1.8	1.8
dp	2.8	3.1	3.6	4.1	4.8	5.8
l	6-90	6-120	12-180	12-220	12-250	12-250

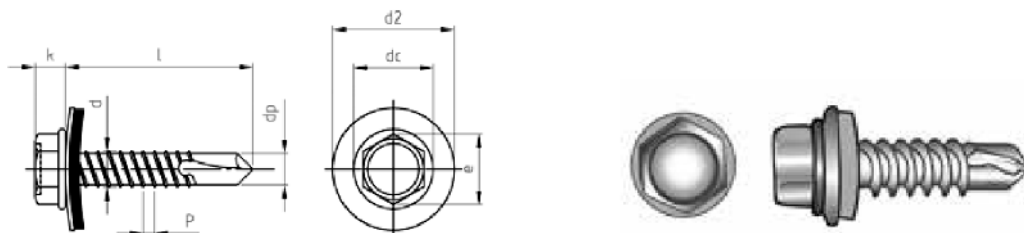
Characteristics

- Material: Galvanized steel (**zinc plated – Black steel**), stainless steel (304 - 316).
- **HEX Head**
- Various screw and tip lengths available to suit different thicknesses.
- Corrosion protection via zinc coating or stainless-steel construction.
- Durable design suitable for industrial and commercial applications.

Applications

- Self Drilling Screw into Steel - Aluminum and Wood.
- Fastening Aluminum frames.
- Suitable for industrial and commercial building insulation projects.

DIN 7504 – HEX head Self drilling screw – EPDM



D	5.5
e	8.71
dc	11
k	5.45
p	1.7
dp	4.8
l	19-70

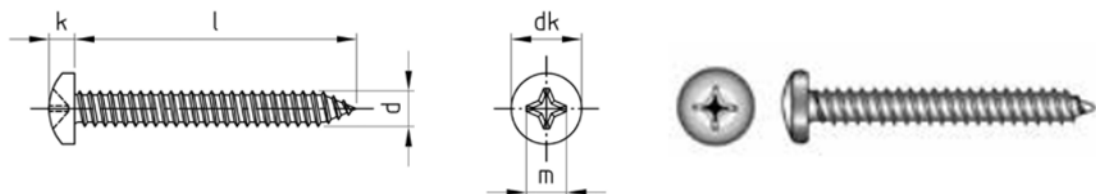
Characteristics

- Material: Galvanized steel (**zinc plated – Black steel**), stainless steel (**304 - 316**).
- **HEX Head**
- Various screw and tip lengths available to suit different thicknesses.
- Corrosion protection via zinc coating or stainless-steel construction.
- Durable design suitable for industrial and commercial applications.

Applications

- Self Drilling Screw into Steel - Aluminum and Wood.
- Fastening Aluminum frames.
- Suitable for industrial and commercial building insulation projects.

DIN 7981 – Pan head Self tapping screw



D	2.2	2.9	3.5	3.9	4.2	4.8	5.5	6.3
dk	4.3	5.5	6.8	7.5	8.1	9.5	10.8	12.4
k	1.8	2.2	2.6	2.8	3.05	3.55	3.95	4.55
m	2.6	3	4.2	4.4	4.6	5	6.5	7.1
l	6-70	6-90	6-120	12-180	12-220	12-250	12-250	12-280

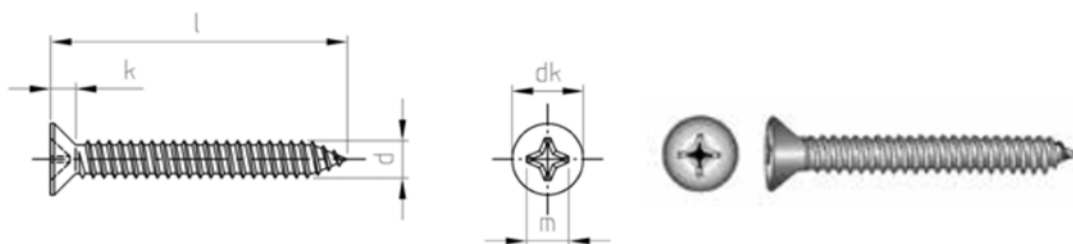
Characteristics

- Material: Galvanized steel (**zinc plated – Black steel**), stainless steel (304 - 316).
- **Pan head with PH recess**
- Various screw lengths available to suit different thicknesses.
- Corrosion protection via zinc coating or stainless-steel construction.
- Durable design suitable for industrial and commercial applications.

Applications

- Self Tapping Screw into Steel - Aluminum and Wood.
- Fastening Aluminum frames.
- Suitable for industrial and commercial building insulation projects.

DIN 7982 – Countersunk head Self tapping screw



D	2.2	2.9	3.5	3.9	4.2	4.8	5.5	6.3
dk	4.3	5.5	6.8	7.5	8.1	9.5	10.8	12.4
k	1.3	1.7	2.1	2.3	2.5	3	3.4	3.8
m	2.5	3	4.2	4.6	4.7	5.1	6.8	7.1
l	6-70	6-90	6-120	12-180	12-220	12-250	12-250	12-280

Characteristics

- Material: Galvanized steel (**zinc plated – Black steel**), stainless steel (304 - 316).
- **Countersunk head with PH recess**
- Various screw lengths available to suit different thicknesses.
- Corrosion protection via zinc coating or stainless-steel construction.
- Durable design suitable for industrial and commercial applications.

Applications

- Self Tapping Screw into Steel - Aluminum and Wood.
- Fastening Aluminum frames.
- Suitable for industrial and commercial building insulation projects.

Load Resistance

Screw resistance characteristics

Size (mm)	Tension (Kn)	Shear (Kn)
2.9	2.62	1.31
3.5	3.81	1.91
3.9	4.64	2.32
4.2	5.26	2.63
4.8	7.11	3.56
5.5	9.63	4.82
6.3	13.36	6.68

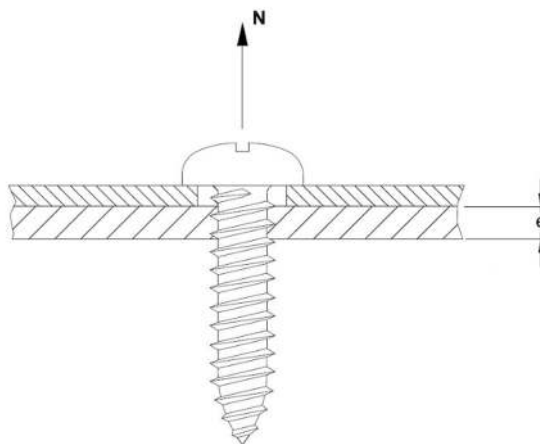
Recommended Lodas

Recommended tension load in steel plate

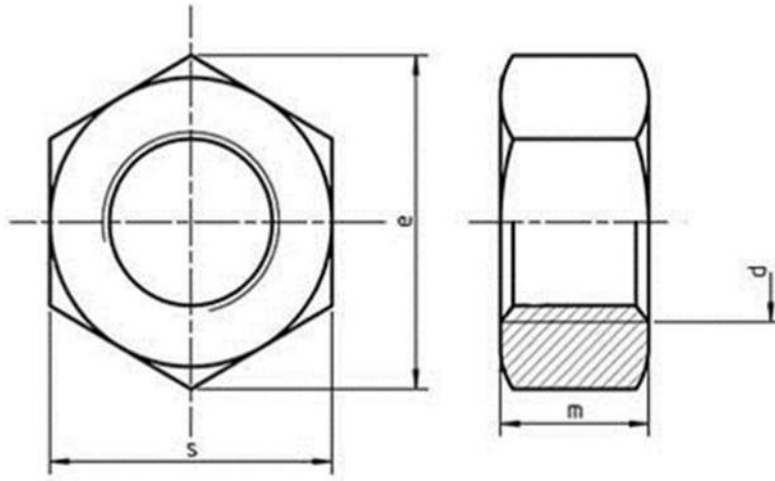
Size (mm)	E (mm)	N (Kn)	E (mm)	N (Kn)	E (mm)	N (Kn)
3.5	0.8	0.47	1.5	0.93	2	1.64
3.9	0.8	0.67	1.5	1.17	2	1.83
4.2	2	1.8	2.5	1.48	3	3.37
4.8	2	1.91	3	3.14	4	5.31
5.5	2	1.96	3.5	3.34	5	3.42
6.3	2.5	3.9	4	4.99	5	4.15

Recommended tension load in aluminum plate

Size (mm)	E (mm)	N (Kn)	E (mm)	N (Kn)	E (mm)	N (Kn)
3.5	-	-	-	-	2	0.91
4.2	2	0.84	-	-	3	2.21
4.8	2	1.11	3	1.99	4	2.16
5.5	2	1.02	4	3.59	5	3.63



DIN 934 – Hexagonal Nut



Available in Zinc Plated, HDG, SSA2 (304), SSA4(316).

Zinc Plated

Item Code	D	S (mm)	E (mm)	M (mm)
OD934Z3	M3	5.5	6.0	2.4
OD934Z4	M4	7.0	7.7	3.2
OD934Z5	M5	8.0	8.8	4.0
OD934Z6	M6	10.0	11.1	5.0
OD934Z8	M8	13.0	14.4	6.5
OD934Z10	M10	17.0	18.9	8.0
OD934Z12	M12	19.0	21.1	10.0
OD934Z14	M14	22.0	24.5	11.0
OD934Z16	M16	24.0	26.8	13.0
OD934Z18	M18	27.0	29.6	15.0
OD934Z20	M20	30.0	33.0	16.0
OD934Z22	M22	32.0	35.0	18.0
OD934Z24	M24	36.0	39.6	19.0
OD934Z27	M27	41.0	45.2	22.0
OD934Z30	M30	46.0	50.9	24.0
OD934Z33	M33	50.0	55.4	26.0
OD934Z36	M36	55.0	60.8	29.0

HDG

Item Code	D	S (mm)	E (mm)	M (mm)
OD934G3	M3	5.5	6.0	2.4
OD934G4	M4	7.0	7.7	3.2
OD934G5	M5	8.0	8.8	4.0
OD934G6	M6	10.0	11.1	5.0
OD934G8	M8	13.0	14.4	6.5
OD934G10	M10	17.0	18.9	8.0
OD934G12	M12	19.0	21.1	10.0
OD934G14	M14	22.0	24.5	11.0
OD934G16	M16	24.0	26.8	13.0
OD934G18	M18	27.0	29.6	15.0
OD934G20	M20	30.0	33.0	16.0
OD934G22	M22	32.0	35.0	18.0
OD934G24	M24	36.0	39.6	19.0
OD934G27	M27	41.0	45.2	22.0
OD934G30	M30	46.0	50.9	24.0
OD934G33	M33	50.0	55.4	26.0
OD934G36	M36	55.0	60.8	29.0

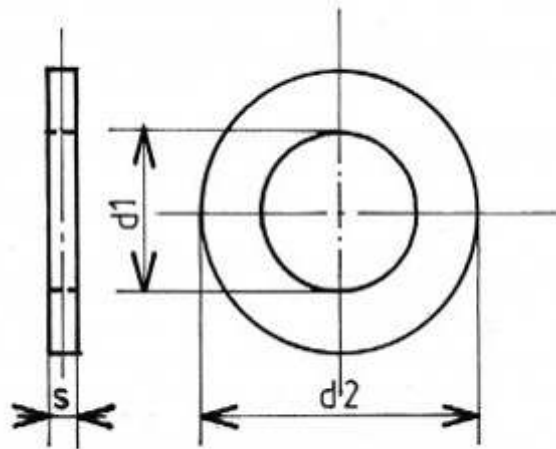
SSA2(304)

Item Code	D	S (mm)	E (mm)	M (mm)
OD934A23	M3	5.5	6.0	2.4
OD934A24	M4	7.0	7.7	3.2
OD934A25	M5	8.0	8.8	4.0
OD934A26	M6	10.0	11.1	5.0
OD934A28	M8	13.0	14.4	6.5
OD934A210	M10	17.0	18.9	8.0
OD934A212	M12	19.0	21.1	10.0
OD934A214	M14	22.0	24.5	11.0
OD934A216	M16	24.0	26.8	13.0
OD934A218	M18	27.0	29.6	15.0
OD934A220	M20	30.0	33.0	16.0
OD934A222	M22	32.0	35.0	18.0
OD934A224	M24	36.0	39.6	19.0
OD934A227	M27	41.0	45.2	22.0
OD934A230	M30	46.0	50.9	24.0
OD934A233	M33	50.0	55.4	26.0
OD934A236	M36	55.0	60.8	29.0

SSA4(316)

Item Code	D	S (mm)	E (mm)	M (mm)
OD934A43	M3	5.5	6.0	2.4
OD934A44	M4	7.0	7.7	3.2
OD934A45	M5	8.0	8.8	4.0
OD934A46	M6	10.0	11.1	5.0
OD934A48	M8	13.0	14.4	6.5
OD934A410	M10	17.0	18.9	8.0
OD934A412	M12	19.0	21.1	10.0
OD934A414	M14	22.0	24.5	11.0
OD934A416	M16	24.0	26.8	13.0
OD934A418	M18	27.0	29.6	15.0
OD934A420	M20	30.0	33.0	16.0
OD934A422	M22	32.0	35.0	18.0
OD934A424	M24	36.0	39.6	19.0
OD934A427	M27	41.0	45.2	22.0
OD934A430	M30	46.0	50.9	24.0
OD934A433	M33	50.0	55.4	26.0
OD934A436	M36	55.0	60.8	29.0

DIN 125 – Flat Washer



Available in Zinc Plated, HDG, SSA2 (304), SSA4(316).

Zinc Plated

Item Code	Size	d1 (mm)	d2 (mm)	s (mm)
OD125Z3	M3	3.3	7.0	0.8
OD125Z4	M4	4.3	9.0	0.8
OD125Z5	M5	5.3	10.0	1.0
OD125Z6	M6	6.4	12.0	1.6
OD125Z8	M8	8.4	16.0	1.6
OD125Z10	M10	10.5	20.0	2.0
OD125Z12	M12	13.0	24.0	2.5
OD125Z14	M14	15.0	28.0	2.5
OD125Z16	M16	17.0	30.0	3.0
OD125Z18	M18	19.0	34.0	3.0
OD125Z20	M20	21.0	37.0	3.0
OD125Z22	M22	23.0	39.0	3.0
OD125Z24	M24	25.0	44.0	4.0
OD125Z27	M27	28.0	50.0	4.0
OD125Z30	M30	31.0	56.0	4.0
OD125Z33	M33	34.0	60.0	5.0
OD125Z36	M36	37.0	66.0	5.0

HDG

Item Code	Size	d1 (mm)	d2 (mm)	s (mm)
OD125G3	M3	3.3	7.0	0.8
OD125G4	M4	4.3	9.0	0.8
OD125G5	M5	5.3	10.0	1.0
OD125G6	M6	6.4	12.0	1.6
OD125G8	M8	8.4	16.0	1.6
OD125G10	M10	10.5	20.0	2.0
OD125G12	M12	13.0	24.0	2.5
OD125G14	M14	15.0	28.0	2.5
OD125G16	M16	17.0	30.0	3.0
OD125G18	M18	19.0	34.0	3.0
OD125G20	M20	21.0	37.0	3.0
OD125G22	M22	23.0	39.0	3.0
OD125G24	M24	25.0	44.0	4.0
OD125G27	M27	28.0	50.0	4.0
OD125G30	M30	31.0	56.0	4.0
OD125G33	M33	34.0	60.0	5.0
OD125G36	M36	37.0	66.0	5.0

SSA2(304)

Item Code	Size	d1 (mm)	d2 (mm)	s (mm)
OD125A23	M3	3.3	7.0	0.8
OD125A24	M4	4.3	9.0	0.8
OD125A25	M5	5.3	10.0	1.0
OD125A26	M6	6.4	12.0	1.6
OD125A28	M8	8.4	16.0	1.6
OD125A210	M10	10.5	20.0	2.0
OD125A212	M12	13.0	24.0	2.5
OD125A214	M14	15.0	28.0	2.5
OD125A216	M16	17.0	30.0	3.0
OD125A218	M18	19.0	34.0	3.0
OD125A220	M20	21.0	37.0	3.0
OD125A222	M22	23.0	39.0	3.0
OD125A224	M24	25.0	44.0	4.0
OD125A227	M27	28.0	50.0	4.0
OD125A230	M30	31.0	56.0	4.0
OD125A233	M33	34.0	60.0	5.0
OD125A236	M36	37.0	66.0	5.0

SSA4(316)

Item Code	Size	d1 (mm)	d2 (mm)	s (mm)
OD125A43	M3	3.3	7.0	0.8
OD125A44	M4	4.3	9.0	0.8
OD125A45	M5	5.3	10.0	1.0
OD125A46	M6	6.4	12.0	1.6
OD125A48	M8	8.4	16.0	1.6
OD125A410	M10	10.5	20.0	2.0
OD125A412	M12	13.0	24.0	2.5
OD125A414	M14	15.0	28.0	2.5
OD125A416	M16	17.0	30.0	3.0
OD125A418	M18	19.0	34.0	3.0
OD125A420	M20	21.0	37.0	3.0
OD125A422	M22	23.0	39.0	3.0
OD125A424	M24	25.0	44.0	4.0
OD125A427	M27	28.0	50.0	4.0
OD125A430	M30	31.0	56.0	4.0
OD125A433	M33	34.0	60.0	5.0
OD125A436	M36	37.0	66.0	5.0

DIN 933 – Hexagonal Bolt



Available in Zinc Plated, HDG, SSA2 (304), SSA4(316).

Zinc Plated Grade 4.8

Zinc plated Hexagonal Head Bolt Grade 4.8			
Item Code	Size	Cross section	Tensile Strength
		mm ²	KN
OD933Z04	M4	8.78	3.69
OD933Z05	M5	14.2	5.96
OD933Z06	M6	20.1	8.44
OD933Z08	M8	36.6	15.4
OD933Z10	M10	58	24.4
OD933Z12	M12	84.3	35.4
OD933Z14	M14	115	48.3
OD933Z16	M16	157	65.9
OD933Z18	M18	192	80.6
OD933Z20	M20	245	103
OD933Z22	M22	303	127
OD933Z24	M24	353	148
OD933Z27	M27	459	193
OD933Z30	M30	561	236
OD933Z33	M33	694	292
OD933Z36	M36	817	343

Zinc Plated Grade 8.8

Zinc plated Hexagonal Head Bolt Grade 8.8			
Item Code	Size	Cross section	Tensile Strength
		mm ²	KN
OD9338Z05	M5	14.2	11.35
OD9338Z06	M6	20.1	16.1
OD9338Z08	M8	36.6	29.2
OD9338Z10	M10	58	46.4
OD9338Z12	M12	84.3	67.4
OD9338Z14	M14	115	92
OD9338Z16	M16	157	125
OD9338Z18	M18	192	159
OD9338Z20	M20	245	203
OD9338Z22	M22	303	252
OD9338Z24	M24	353	293
OD9338Z27	M27	459	381
OD9338Z30	M30	561	466
OD9338Z33	M33	694	576
OD9338Z36	M36	817	678

Zinc Plated Grade 10.9

Zinc plated Hexagonal Head Bolt Grade 10.9			
Item Code	Size	Cross section	Tensile Strength
		mm ²	KN
OD933109Z05	M5	14.2	14.2
OD933109Z06	M6	20.1	20.1
OD933109Z08	M8	36.6	36.6
OD933109Z10	M10	58	58
OD933109Z12	M12	84.3	84.3
OD933109Z14	M14	115	115
OD933109Z16	M16	157	157
OD933109Z18	M18	192	192
OD933109Z20	M20	245	245
OD933109Z22	M22	303	303
OD933109Z24	M24	353	353
OD933109Z27	M27	459	459
OD933109Z30	M30	561	561
OD933109Z33	M33	694	694
OD933109Z36	M36	817	817

HDG Grade 4.8

HDG Hexagonal Head Bolt Grade 4.8			
Item Code	Size	Cross section	Tensile Strength
		mm ²	KN
OD933G04	M4	8.78	3.69
OD933G05	M5	14.2	5.96
OD933G06	M6	20.1	8.44
OD933G08	M8	36.6	15.4
OD933G10	M10	58	24.4
OD933G12	M12	84.3	35.4
OD933G14	M14	115	48.3
OD933G16	M16	157	65.9
OD933G18	M18	192	80.6
OD933G20	M20	245	103
OD933G22	M22	303	127
OD933G24	M24	353	148
OD933G27	M27	459	193
OD933G30	M30	561	236
OD933G33	M33	694	292
OD933G36	M36	817	343

HDG Grade 8.8

HDG Hexagonal Head Bolt Grade 8.8			
Item Code	Size	Cross section	Tensile Strength
		mm ²	KN
OD9338G05	M5	14.2	11.35
OD9338G06	M6	20.1	16.1
OD9338G08	M8	36.6	29.2
OD9338G10	M10	58	46.4
OD9338G12	M12	84.3	67.4
OD9338G14	M14	115	92
OD9338G16	M16	157	125
OD9338G18	M18	192	159
OD9338G20	M20	245	203
OD9338G22	M22	303	252
OD9338G24	M24	353	293
OD9338G27	M27	459	381
OD9338G30	M30	561	466
OD9338G33	M33	694	576
OD9338G36	M36	817	678

HDG Grade 10.9

HDG Hexagonal Head Bolt Grade 10.9			
Item Code	Size	Cross section	Tensile Strength
		mm ²	KN
OD933109G05	M5	14.2	14.2
OD933109G06	M6	20.1	20.1
OD933109G08	M8	36.6	36.6
OD933109G10	M10	58	58
OD933109G12	M12	84.3	84.3
OD933109G14	M14	115	115
OD933109G16	M16	157	157
OD933109G18	M18	192	192
OD933109G20	M20	245	245
OD933109G22	M22	303	303
OD933109G24	M24	353	353
OD933109G27	M27	459	459
OD933109G30	M30	561	561
OD933109G33	M33	694	694
OD933109G36	M36	817	817

SSA2 (304)

Stainless Steel Hexagonal Head Bolt Grade A2 - 304			
Item Code	Size	Cross section	Tensile Strength
		mm ²	KN
OD933A204	M4	8.78	6.146
OD933A205	M5	14.2	9.94
OD933A206	M6	20.1	14.07
OD933A208	M8	36.6	25.62
OD933A210	M10	58	40.6
OD933A212	M12	84.3	59.01
OD933A214	M14	115	80.5
OD933A216	M16	157	109.9
OD933A218	M18	192	134.4
OD933A220	M20	245	171.5
OD933A222	M22	303	212.1
OD933A224	M24	353	247.1
OD933A227	M27	459	321.3
OD933A230	M30	561	392.7
OD933A233	M33	694	485.8
OD933A236	M36	817	571.9

SSA4 (316)

Stainless Steel Hexagonal Head Bolt Grade A4 - 316			
Item Code	Size	Cross section	Tensile Strength
		mm ²	KN
OD933A405	M5	14.2	9.94
OD933A406	M6	20.1	14.07
OD933A408	M8	36.6	25.62
OD933A410	M10	58	40.6
OD933A412	M12	84.3	59.01
OD933A414	M14	115	80.5
OD933A416	M16	157	109.9
OD933A418	M18	192	134.4
OD933A420	M20	245	171.5
OD933A422	M22	303	212.1
OD933A424	M24	353	247.1
OD933A427	M27	459	321.3
OD933A430	M30	561	392.7
OD933A433	M33	694	485.8
OD933A436	M36	817	571.9

DIN 975 – Threaded Rod



Available in Zinc Plated, HDG, SSA2 (304), SSA4(316).

Zinc Plated Grade 4.8

Zinc plated threaded rod Grade 4.8				
Item Code	Size	Length	Cross section	Tensile Strength
		mm	mm ²	KN
O975ZM304	M4	3000	8.78	3.69
O975ZM305	M5	3000	14.2	5.96
O975ZM306	M6	3000	20.1	8.44
O975ZM308	M8	3000	36.6	15.4
O975ZM310	M10	3000	58	24.4
O975ZM312	M12	3000	84.3	35.4
O975ZM314	M14	3000	115	48.3
O975ZM316	M16	3000	157	65.9
O975ZM318	M18	3000	192	80.6
O975ZM320	M20	3000	245	103
O975ZM322	M22	3000	303	127
O975ZM324	M24	3000	353	148
O975ZM327	M27	3000	459	193
O975ZM330	M30	3000	561	236
O975ZM333	M33	3000	694	292
O975ZM336	M36	3000	817	343

Zinc Plated Grade 8.8

Zinc plated threaded rod Grade 8.8				
Item Code	Size	Length	Cross section	Tensile Strength
		mm	mm ²	KN
O9758ZM305	M5	3000	14.2	11.35
O9758ZM306	M6	3000	20.1	16.1
O9758ZM308	M8	3000	36.6	29.2
O9758ZM310	M10	3000	58	46.4
O9758ZM312	M12	3000	84.3	67.4
O9758ZM314	M14	3000	115	92
O9758ZM316	M16	3000	157	125
O9758ZM318	M18	3000	192	159
O9758ZM320	M20	3000	245	203
O9758ZM322	M22	3000	303	252
O9758ZM324	M24	3000	353	293
O9758ZM327	M27	3000	459	381
O9758ZM330	M30	3000	561	466
O9758ZM333	M33	3000	694	576
O9758ZM336	M36	3000	817	678

Zinc Plated Grade 10.9

Zinc plated threaded rod Grade 10.9				
Item Code	Size	Length	Cross section	Tensile Strength
		mm	mm ²	KN
O975109ZM305	M5	3000	14.2	14.2
O975109ZM306	M6	3000	20.1	20.1
O975109ZM308	M8	3000	36.6	36.6
O975109ZM310	M10	3000	58	58
O975109ZM312	M12	3000	84.3	84.3
O975109ZM314	M14	3000	115	115
O975109ZM316	M16	3000	157	157
O975109ZM318	M18	3000	192	192
O975109ZM320	M20	3000	245	245
O975109ZM322	M22	3000	303	303
O975109ZM324	M24	3000	353	353
O975109ZM327	M27	3000	459	459
O975109ZM330	M30	3000	561	561
O975109ZM333	M33	3000	694	694
O975109ZM336	M36	3000	817	817

HDG Grade 4.8

HDG threaded rod Grade 4.8				
Item Code	Size	Length	Cross section	Tensile Strength
		mm	mm ²	KN
O975GM304	M4	3000	8.78	3.69
O975GM305	M5	3000	14.2	5.96
O975GM306	M6	3000	20.1	8.44
O975GM308	M8	3000	36.6	15.4
O975GM310	M10	3000	58	24.4
O975GM312	M12	3000	84.3	35.4
O975GM314	M14	3000	115	48.3
O975GM316	M16	3000	157	65.9
O975GM318	M18	3000	192	80.6
O975GM320	M20	3000	245	103
O975GM322	M22	3000	303	127
O975GM324	M24	3000	353	148
O975GM327	M27	3000	459	193
O975GM330	M30	3000	561	236
O975GM333	M33	3000	694	292
O975GM336	M36	3000	817	343

HDG Grade 8.8

HDG threaded rod Grade 8.8				
Item Code	Size	Length	Cross section	Tensile Strength
		mm	mm ²	KN
O9758GM305	M5	3000	14.2	11.35
O9758GM306	M6	3000	20.1	16.1
O9758GM308	M8	3000	36.6	29.2
O9758GM310	M10	3000	58	46.4
O9758GM312	M12	3000	84.3	67.4
O9758GM314	M14	3000	115	92
O9758GM316	M16	3000	157	125
O9758GM318	M18	3000	192	159
O9758GM320	M20	3000	245	203
O9758GM322	M22	3000	303	252
O9758GM324	M24	3000	353	293
O9758GM327	M27	3000	459	381
O9758GM330	M30	3000	561	466
O9758GM333	M33	3000	694	576
O9758GM336	M36	3000	817	678

HDG Grade 10.9

HDG threaded rod Grade 10.9				
Item Code	Size	Length	Cross section	Tensile Strength
		mm	mm ²	KN
O975109GM305	M5	3000	14.2	14.2
O975109GM306	M6	3000	20.1	20.1
O975109GM308	M8	3000	36.6	36.6
O975109GM310	M10	3000	58	58
O975109GM312	M12	3000	84.3	84.3
O975109GM314	M14	3000	115	115
O975109GM316	M16	3000	157	157
O975109GM318	M18	3000	192	192
O975109GM320	M20	3000	245	245
O975109GM322	M22	3000	303	303
O975109GM324	M24	3000	353	353
O975109GM327	M27	3000	459	459
O975109GM330	M30	3000	561	561
O975109GM333	M33	3000	694	694
O975109GM336	M36	3000	817	817

SSA2 (304)

Stainless Steel threaded rod Grade A2 - 304				
Item Code	Size	Length	Cross section	Tensile Strength
		mm	mm ²	KN
O975A2304	M4	3000	8.78	6.146
O975A2305	M5	3000	14.2	9.94
O975A2306	M6	3000	20.1	14.07
O975A2308	M8	3000	36.6	25.62
O975A2310	M10	3000	58	40.6
O975A2312	M12	3000	84.3	59.01
O975A2314	M14	3000	115	80.5
O975A2316	M16	3000	157	109.9
O975A2318	M18	3000	192	134.4
O975A2320	M20	3000	245	171.5
O975A2322	M22	3000	303	212.1
O975A2324	M24	3000	353	247.1
O975A2327	M27	3000	459	321.3
O975A2330	M30	3000	561	392.7
O975A2333	M33	3000	694	485.8
O975A2336	M36	3000	817	571.9

SSA4 (316)

Stainless Steel threaded rod Grade A4 - 316				
Item Code	Size	Length	Cross section	Tensile Strength
		mm	mm ²	KN
O975A4305	M5	3000	14.2	9.94
O975A4306	M6	3000	20.1	14.07
O975A4308	M8	3000	36.6	25.62
O975A4310	M10	3000	58	40.6
O975A4312	M12	3000	84.3	59.01
O975A4314	M14	3000	115	80.5
O975A4316	M16	3000	157	109.9
O975A4318	M18	3000	192	134.4
O975A4320	M20	3000	245	171.5
O975A4322	M22	3000	303	212.1
O975A4324	M24	3000	353	247.1
O975A4327	M27	3000	459	321.3
O975A4330	M30	3000	561	392.7
O975A4333	M33	3000	694	485.8
O975A4336	M36	3000	817	571.9

C Channels - ONYXCH



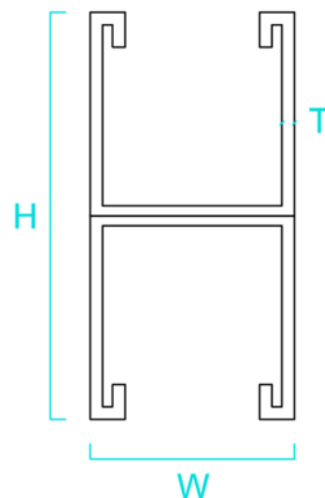
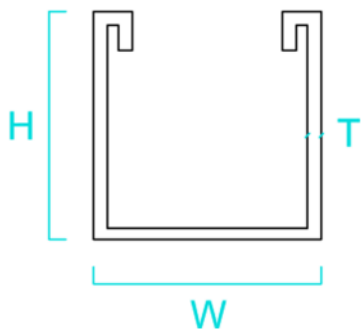
Characteristics

- Material: Galvanized steel (zinc plated - HDG), stainless steel (304 - 316).
- Hot Dip Galvanized Steel According to ASTM A123
- Corrosion protection via zinc coating or stainless-steel construction.

Applications

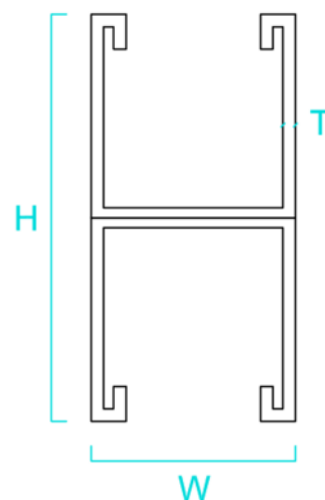
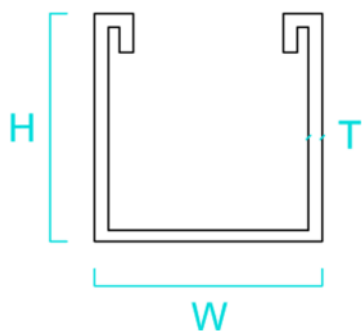
- Mechanical / Electrical / Facade

Dimensions



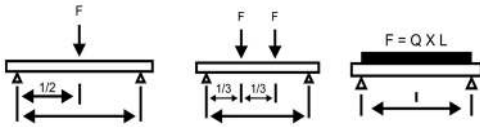
C channels					
Item Code	Weight	Cross section	H	W	T
	(Kg/m)	mm ²	mm	mm	mm
ONYXCHZ2115 ONYXCHG2115 ONYXCHA22115 ONYXCHA42115	1.20	153	21	41	1.5
ONYXCHZ2120 ONYXCHG2120 ONYXCHA22120 ONYXCHA42120	1.56	198	21	41	2
ONYXCHZ2125 ONYXCHG2125 ONYXCHA22125 ONYXCHA42125	1.88	240	21	41	2.5
ONYXCHZ4115 ONYXCHG4115 ONYXCHA24115 ONYXCHA44115	1.68	213	41	41	1.5
ONYXCHZ4120 ONYXCHG4120 ONYXCHA24120 ONYXCHA44120	2.18	278	41	41	2

Dimensions



C channels					
Item Code	Weight	Cross section	H	W	T
	(Kg/m)	mm ²	mm	mm	mm
ONYXCHZ4125 ONYXCHG4125 ONYXCHA24125 ONYXCHA44125	2.68	340	41	41	2.5
ONYXCHZ6225 ONYXCHG6225 ONYXCHA26225 ONYXCHA46225	3.50	445	62	41	2.5
ONYXCHZ8225 ONYXCHG8225 ONYXCHA28225 ONYXCHA48225	4.28	545	82	41	2.5
ONYXCHZ12425 ONYXCHG12425 ONYXCHA212425 ONYXCHA412425	6.98	890	124	4.1	2.5
ONYXCHZ16425 ONYXCHG16425 ONYXCHA216425 ONYXCHA416425	8.56	1090	164	4.1	2.5

Technical Data – Load Baring Capacity



Channel Size	CHAN NEL LENGT H (m)	ONYX - 21-1.5	ONYX - 21-2	ONYX - 21-2.5	ONYX - 41-1.5	ONYX - 41-2	ONYX - 41-2.5	ONYX - 62-2.5	ONYX - 82-2.5	ONYX - 124-2.5	ONYX - 164-2.5
F1 (kN)	0.5	1.22	1.49	1.70	3.42	4.30	5.07	9.86	15.54	27.70	47.46
	1	0.60	0.74	0.85	1.70	2.14	2.52	4.92	8.03	14.30	23.75
	2	0.29	0.35	0.40	0.83	1.05	1.23	2.43	3.98	7.10	11.87
F2 (kN)	0.5	0.90	1.10	1.26	2.54	3.19	3.76	7.30	11.65	21.33	35.18
	1	0.45	0.55	0.63	1.27	1.59	1.87	3.65	6.01	10.60	17.56
	2	0.22	0.26	0.30	0.63	0.78	0.92	1.80	2.89	5.28	8.85
Uniformly Distributed (Kn/m)	0.5	4.50	5.50	6.28	12.64	15.89	18.71	36.45	53.20	106.25	158.54
	1	1.20	1.47	1.68	3.40	4.27	5.04	9.83	16.01	28.65	47.90
	2	0.29	0.35	0.40	0.84	1.05	1.23	2.43	3.94	7.10	11.74

Swivel Connection - OSCN



Characteristics

- Material: Galvanized steel (zinc plated - HDG).
- Corrosion protection via zinc coating.

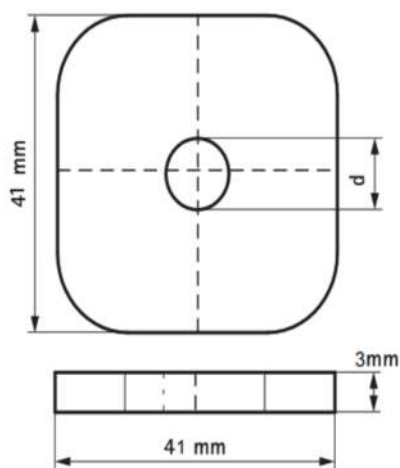
Applications

- Pipes Support – Electrical Support – HVAC Support.
- Suitable for industrial and commercial building insulation projects.

Technical Data

Item	Size	Bolt Size	Load capacity
	(mm)	(mm)	(KN)
OSCN08	M8	8	6
OSCN10	M10	8	6
OSCN12	M12	10	8
OSCN16	M16	12	10

Square Washer - OSW



Characteristics

- Material: Galvanized steel (zinc plated - HDG).
- Corrosion protection via zinc coating.

Applications

- Pipes Support – Electrical Support – HVAC Support.
- Distributing loads at connection point between threaded rods and C channels
- Suitable for industrial and commercial building insulation projects.

Available in Zinc Plated, HDG, SSA2 (304), SSA4(316).

Technical Data

Zinc Plated

Item Code	Size	d (mm)	Thickness (mm)	Width (mm)	Length (mm)
OSWZ6	M6	7.0	3 & 5	41.0	41.0
OSWZ8	M8	9.0	3 & 5	41.0	41.0
OSWZ10	M10	11.0	3 & 5	41.0	41.0
OSWZ12	M12	13.0	3 & 5	41.0	41.0

HDG

Item Code	Size	d (mm)	Thickness (mm)	Width (mm)	Length (mm)
OSWG6	M6	7.0	3 & 5	41.0	41.0
OSWG8	M8	9.0	3 & 5	41.0	41.0
OSWG10	M10	11.0	3 & 5	41.0	41.0
OSWG12	M12	13.0	3 & 5	41.0	41.0

SSA2(304)

Item Code	Size	d (mm)	Thickness (mm)	Width (mm)	Length (mm)
OSWA26	M6	7.0	3 & 5	41.0	41.0
OSWA28	M8	9.0	3 & 5	41.0	41.0
OSWA210	M10	11.0	3 & 5	41.0	41.0
OSWA212	M12	13.0	3 & 5	41.0	41.0

SSA4(316)

Item Code	Size	d (mm)	Thickness (mm)	Width (mm)	Length (mm)
OSWA46	M6	7.0	3 & 5	41.0	41.0
OSWA48	M8	9.0	3 & 5	41.0	41.0
OSWA410	M10	11.0	3 & 5	41.0	41.0
OSWA412	M12	13.0	3 & 5	41.0	41.0

Spring Nut



Characteristics

- Material: Galvanized steel (zinc plated - HDG).
- Corrosion protection via zinc coating.

Applications

- Pipes Support – Electrical Support – HVAC Support.
- Suitable for industrial and commercial building insulation projects.

Technical Data

Item	Size	Width	Length
	(mm)	(mm)	(mm)
OSN06	M6	35	20
OSN08	M8	35	20
OSN10	M10	35	20
OSN12	M12	35	20

Wing Nut - OWN



Characteristics

- Material: Galvanized steel (zinc plated - HDG).
- Corrosion protection via zinc coating.

Applications

- Pipes Support – Electrical Support – HVAC Support.
- Suitable for industrial and commercial building insulation projects.

Technical Data

Item	Size	Thickness	Width	Length
	(mm)	(mm)	(mm)	(mm)
OWN06	M6	6	35	20
OWN08	M8	6	35	20
OWN10	M10	9	35	20
OWN12	M12	10	35	20

Channel Beam Clamp - OCBC



Characteristics

- Material: Galvanized steel (zinc plated - HDG).
- Corrosion protection via zinc coating.

Applications

- Pipes Support – Electrical Support – HVAC Support.
- Suitable for industrial and commercial building insulation projects.

Technical Data

Item	Type of channel	D	Load capacity
	(mm)	(mm)	(KN)
OCBC2141	ONYXCH 21-41	M08	8
OCBC62-82	ONYXCH 62 - 82(41D)	M10	10
OCBC124	ONYXCH 124 (62D)	M12	14
OCBC164	ONYXCH 164 (82D)	M12	14

Base Plates For C Channles – OCH##BP



Characteristics

- Material: Galvanized steel (zinc plated - HDG), stainless steel (304 - 316).
- Hot Dip Galvanized Steel According to ASTM A123
- Corrosion protection via zinc coating or stainless steel construction.

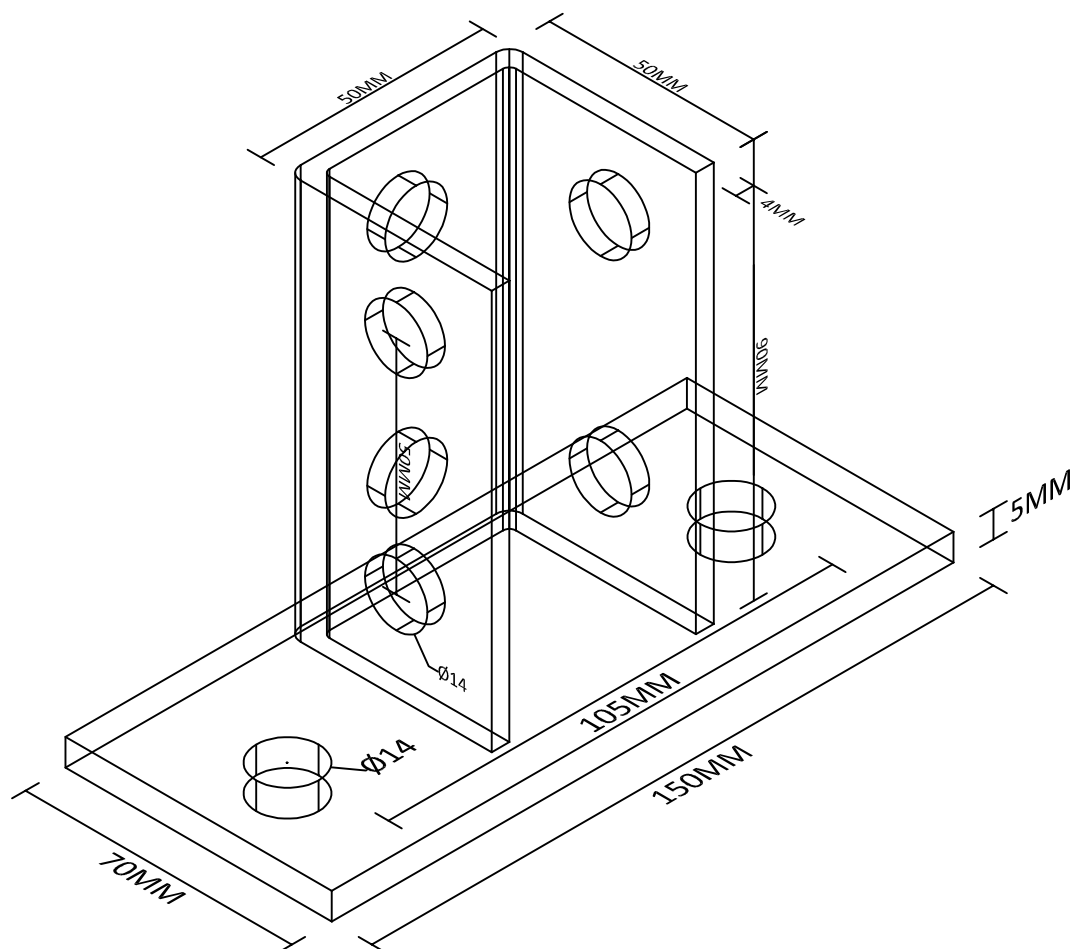
Applications

- Mechanical / Electrical / Facade

Base Plates For C Channle 41 – OCH41BP2

Base Plate Suitable for C channel size 21 & 41 – 2 Hole Base Plate

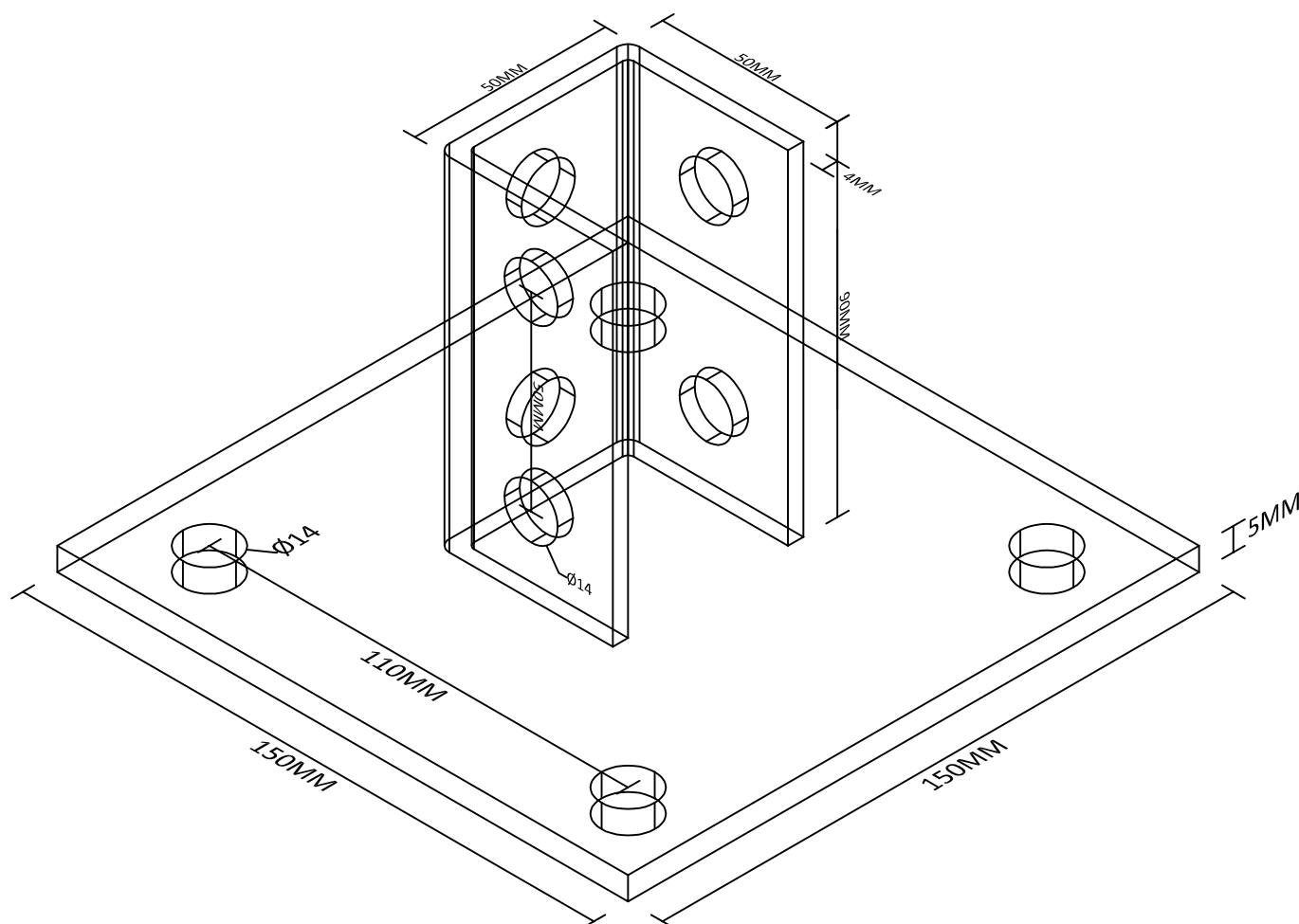
Item Code	Material	PY	Ø	Width x Hight	Thickness
		MPa	mm	mm	mm
OCH41BP2Z	Carbon Steel Zinc Plated	235	14	70 x 150	5
OCH41BP2G	Carbon Steel HDG	235	14	70 x 150	5
OCH41BP2A2	Stainless Steel A2	-	14	70 x 150	5
OCH41BP2A4	Stainless Steel A4	-	14	70 x 150	5



Base Plates For C Channle 41 – OCH41BP4

Base Plate Suitable for C channel size 21 & 41 – 4 Hole Base Plate

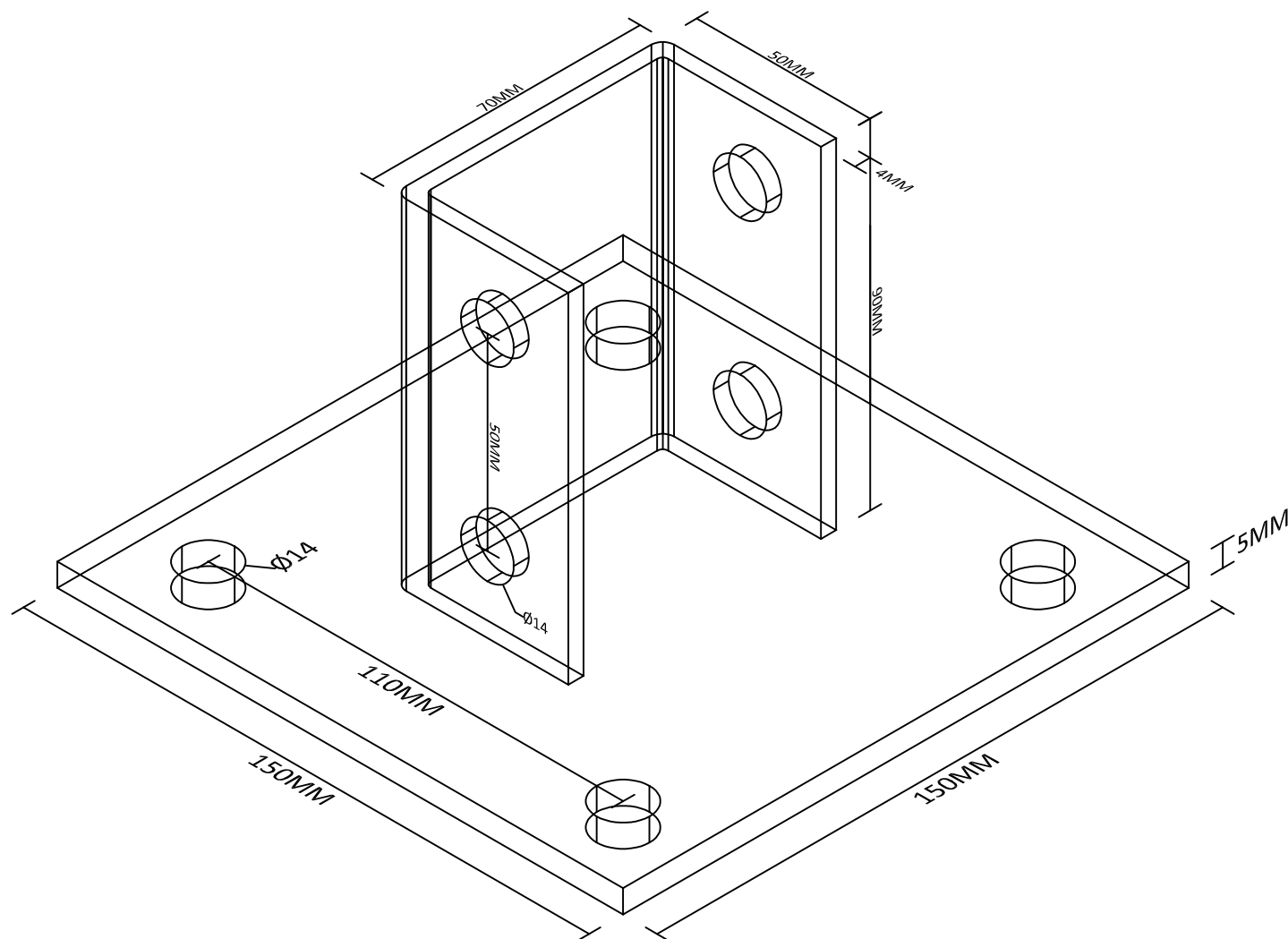
Item Code	Material	PY	$\varnothing$	Width x Hight	Thickness
		MPa	mm	mm	mm
OCH41BP4Z	Carbon Steel Zinc Plated	235	14	150 x 150	5
OCH41BP4G	Carbon Steel HDG	235	14	150 x 150	5
OCH41BP4A2	Stainless Steel A2	-	14	150 x 150	5
OCH41BP4A4	Stainless Steel A4	-	14	150 x 150	5



Base Plates For C Channle 62 – OCH62BP4

Base Plate Suitable for C channel size 62 – 4 Hole Base Plate

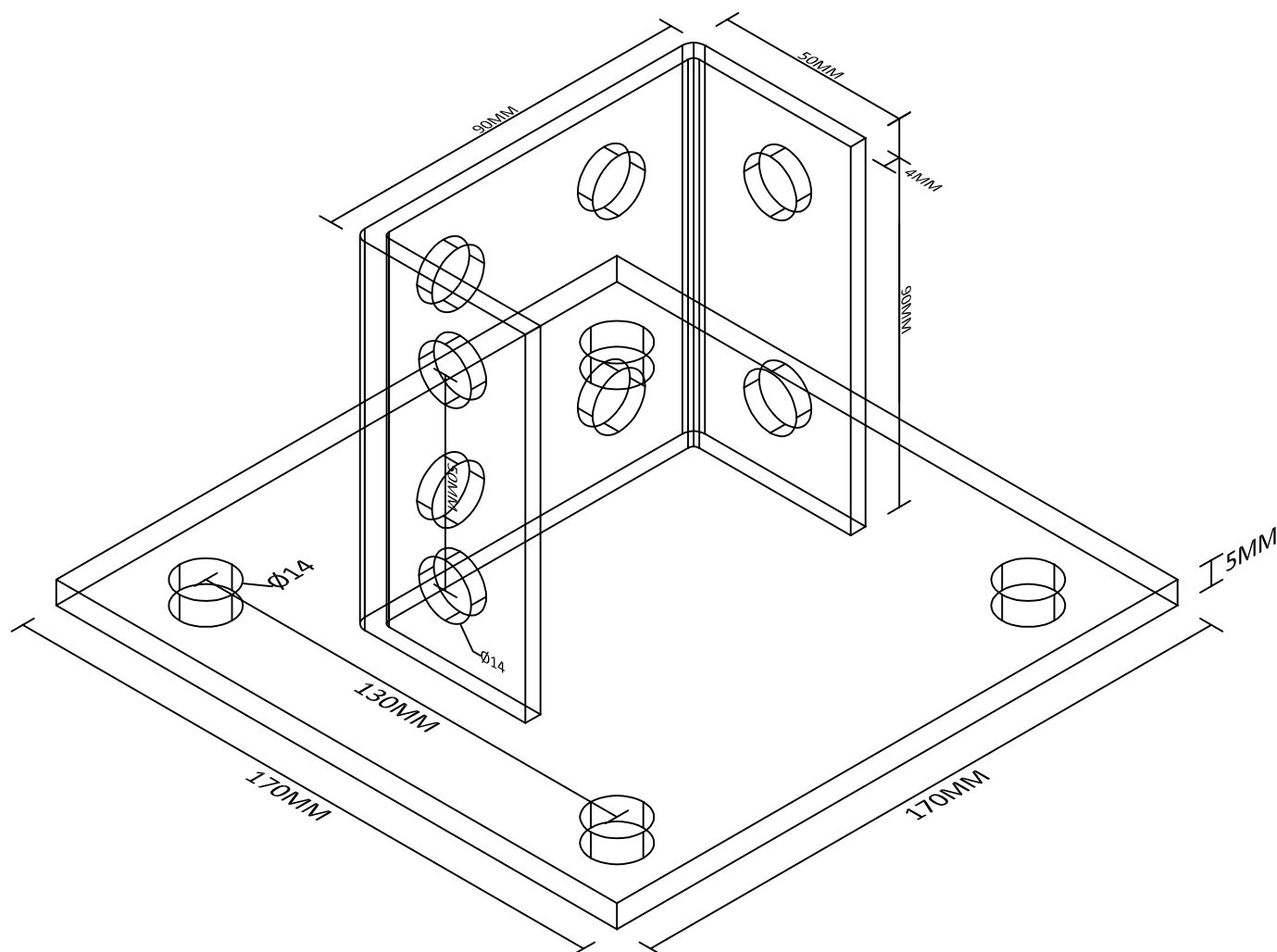
Item Code	Material	PY	Ø	Width x Hight	Thickness
		MPa	mm	mm	mm
OCH62BP4Z	Carbon Steel Zinc Plated	235	14	150 x 150	5
OCH62BP4G	Carbon Steel HDG	235	14	150 x 150	5
OCH62BP4A2	Stainless Steel A2	-	14	150 x 150	5
OCH62BP4A4	Stainless Steel A4	-	14	150 x 150	5



Base Plates For C Channle 82 – OCH82BP24

Base Plate Suitable for C channel size 82 – 4 Hole Base Plate

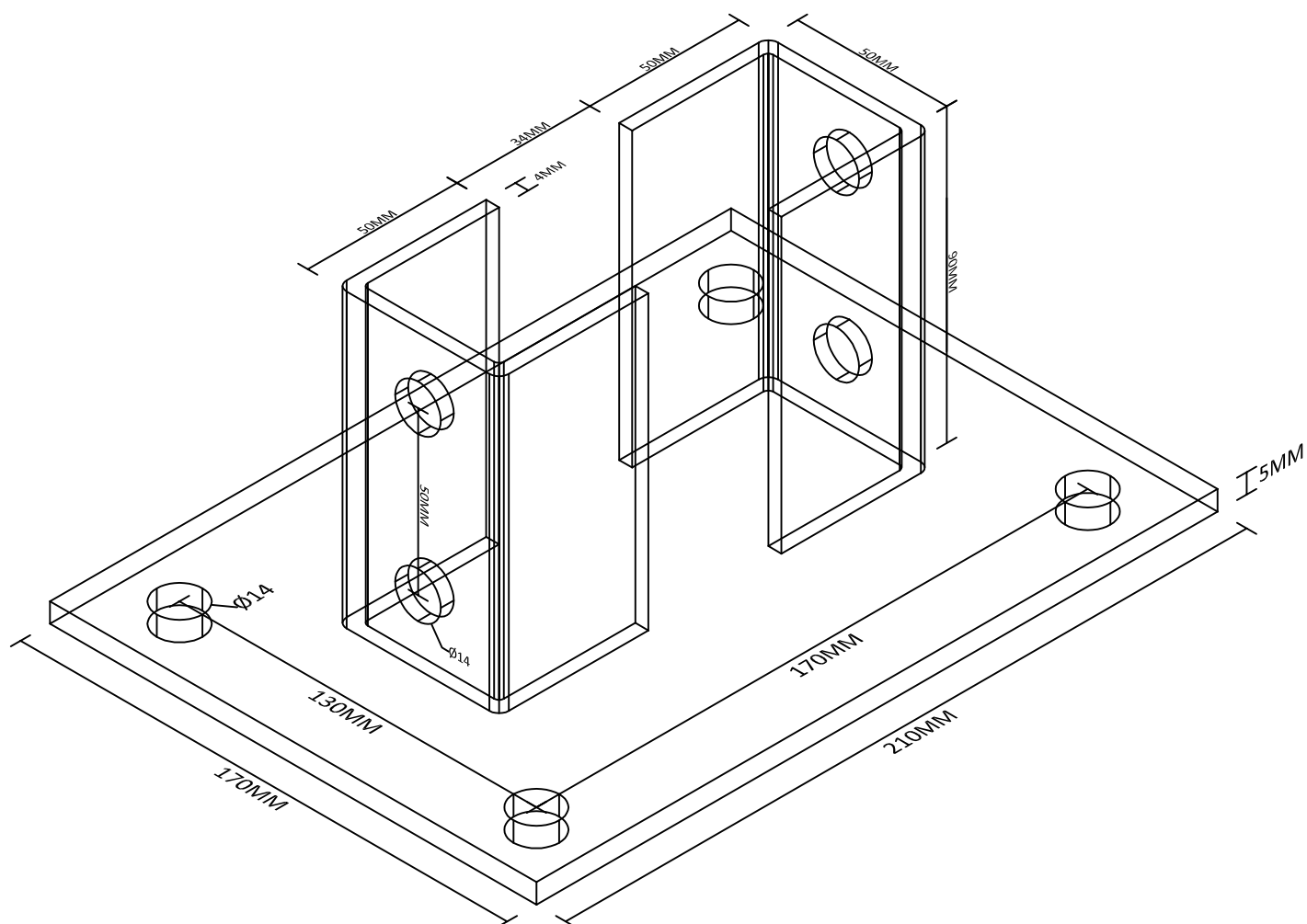
Item Code	Material	PY	Ø	Width x Hight	Thickness
		MPa	mm	mm	mm
OCH82BP4Z	Carbon Steel Zinc Plated	235	14	170 x 170	5
OCH82BP4G	Carbon Steel HDG	235	14	170 x 170	5
OCH82BP4A2	Stainless Steel A2	-	14	170 x 170	5
OCH82BP4A4	Stainless Steel A4	-	14	170 x 170	5



Base Plates For C Channle 124 – OCH124BP4

Base Plate Suitable for C channel size 124 – 4 Hole Base Plate

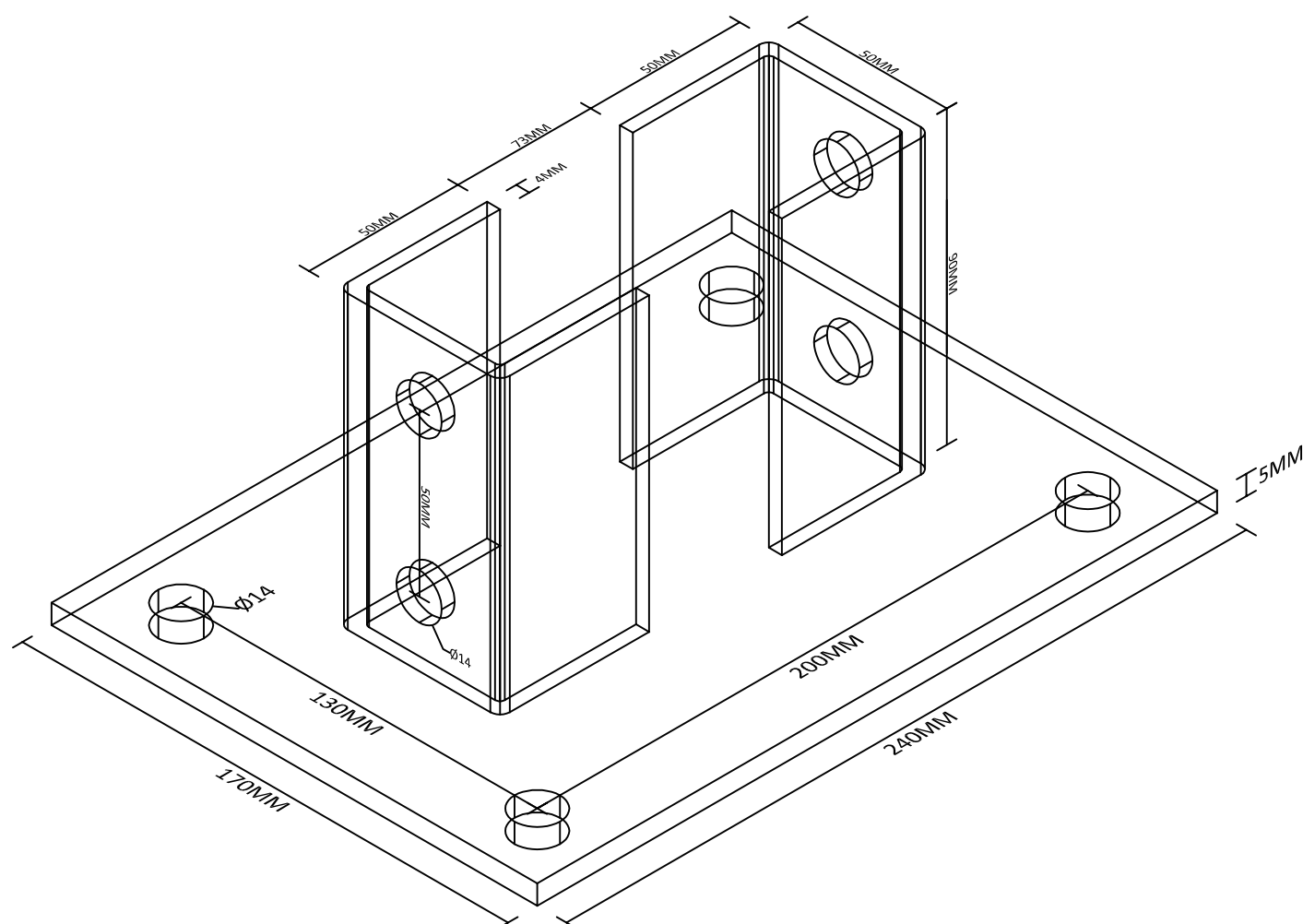
Item Code	Material	PY	Ø	Width x Hight	Thickness
		MPa	mm	mm	mm
OCH124BP4Z	Carbon Steel Zinc Plated	235	14	170 x 210	5
OCH124BP4G	Carbon Steel HDG	235	14	170 x 210	5
OCH124BP4A2	Stainless Steel A2	-	14	170 x 210	5
OCH124BP4A4	Stainless Steel A4	-	14	170 x 210	5



Base Plates For C Channle 164 – OCH164BP4

Base Plate Suitable for C channel size 164 – 4 Hole Base Plate

Item Code	Material	PY	Ø	Width x Hight	Thickness
		MPa	mm	mm	mm
OCH164BP4Z	Carbon Steel Zinc Plated	235	14	170 x 240	5
OCH164BP4G	Carbon Steel HDG	235	14	170 x 240	5
OCH164BP4A2	Stainless Steel A2	-	14	170 x 240	5
OCH164BP4A4	Stainless Steel A4	-	14	170 x 240	5



Brackets For C Channles – O##2



Characteristics

- Material: Galvanized steel (zinc plated - HDG), stainless steel (304 - 316).
- Hot Dip Galvanized Steel According to ASTM A123
- Corrosion protection via zinc coating or stainless steel construction.

Applications

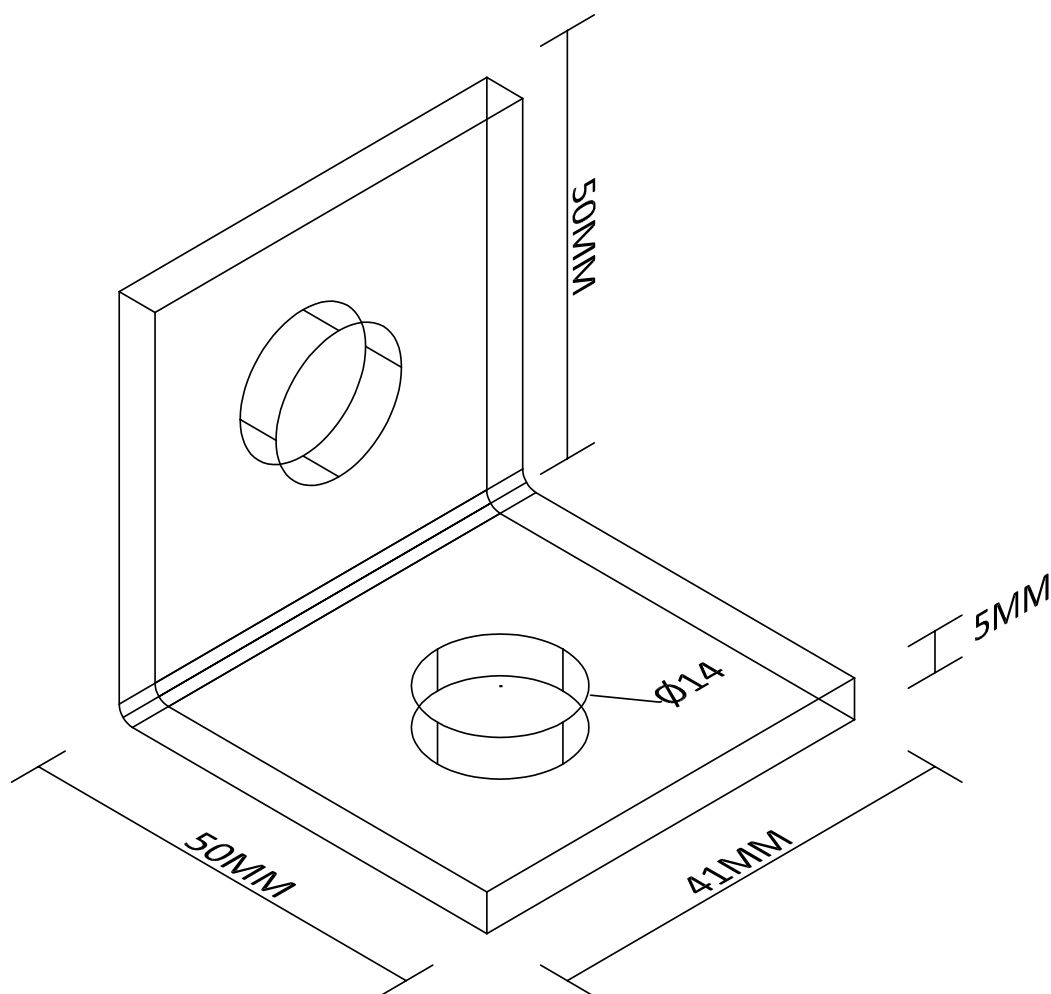
- Mechanical / Electrical / Facade

Brackets For C Channles – O902

Angle Bracket 2 Hole:

Suitable for C channel sizes from 21 To 164

Item Code	Material	PY	Ø	Width	Thickness
		MPa	mm	mm	mm
O902Z	Carbon Steel Zinc Plated	235	14	41	5
O902G	Carbon Steel HDG	235	14	41	5
O902A2	Stainless Steel A2	-	14	41	5
O902A4	Stainless Steel A4	-	14	41	5

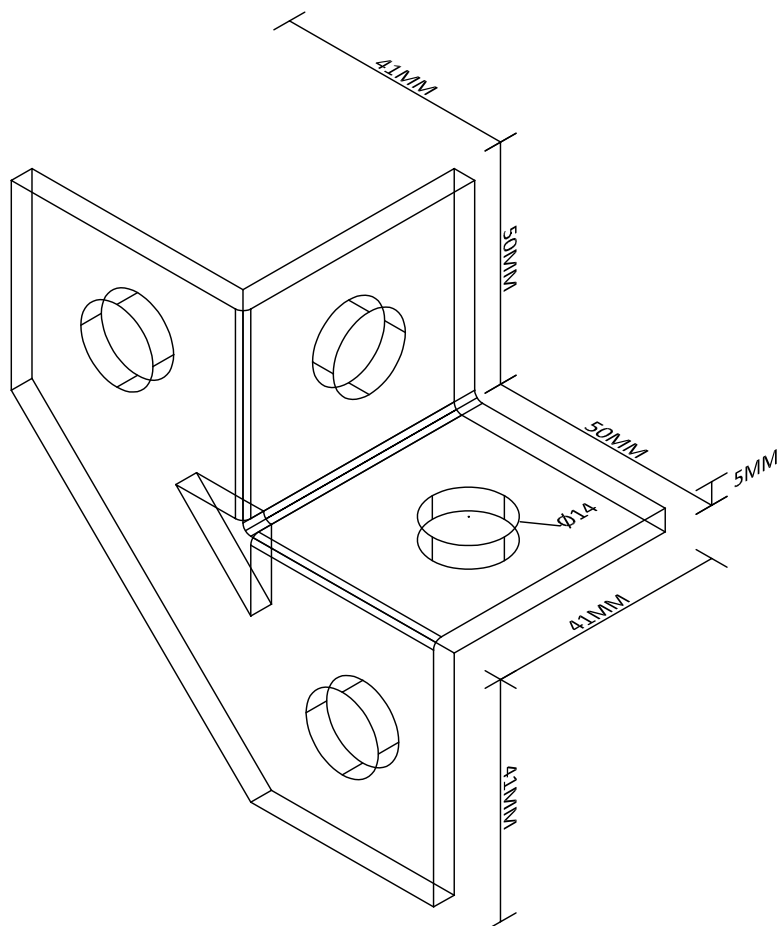


Brackets For C Channles – O9022D

Angle Bracket 2 Hole 2D:

Suitable for C channel sizes from 21 To 164

Item Code	Material	PY	Ø	Width	Thickness
		MPa	mm	mm	mm
O9022DZ	Carbon Steel Zinc Plated	235	14	41	5
O9022DG	Carbon Steel HDG	235	14	41	5
O9022DA2	Stainless Steel A2	-	14	41	5
O9022DA4	Stainless Steel A4	-	14	41	5

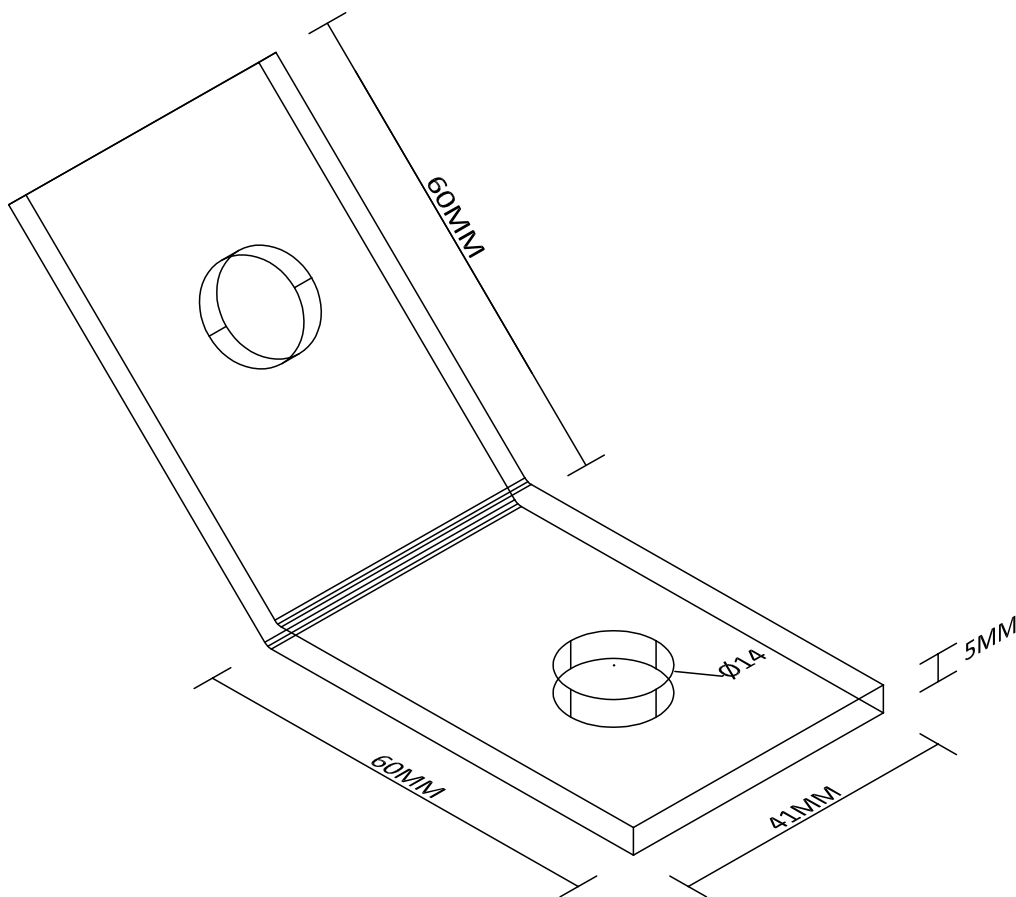


Brackets For C Channles – O1352

Angle Bracket 2 Hole 135:

Suitable for C channel sizes from 21 To 164

Item Code	Material	PY	Ø	Width	Thickness
		MPa	mm	mm	mm
O1352Z	Carbon Steel Zinc Plated	235	14	41	5
O1352G	Carbon Steel HDG	235	14	41	5
O1352A2	Stainless Steel A2	-	14	41	5
O91352A4	Stainless Steel A4	-	14	41	5



Brackets For C Channles – O##4



Characteristics

- Material: Galvanized steel (zinc plated - HDG), stainless steel (304 - 316).
- Hot Dip Galvanized Steel According to ASTM A123
- Corrosion protection via zinc coating or stainless steel construction.

Applications

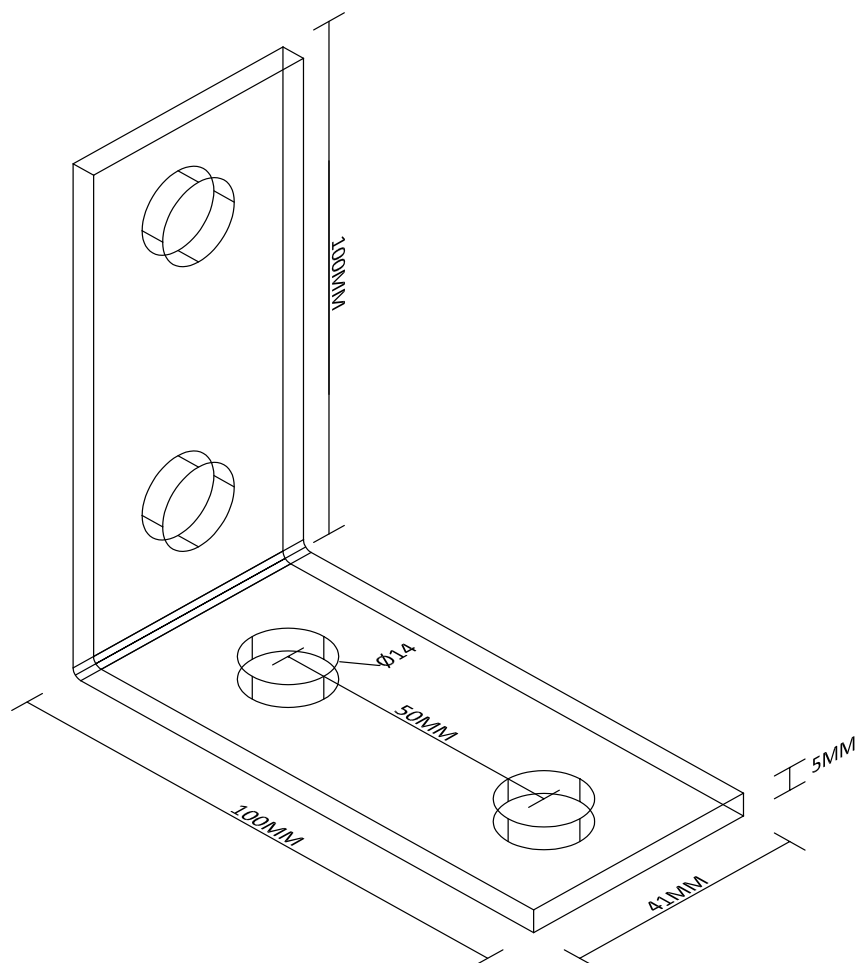
- Mechanical / Electrical / Facade

Brackets For C Channles – O904

Angle Bracket 4 Hole:

Suitable for C channel sizes from 21 To 164

Item Code	Material	PY	Ø	Width	Thickness
		MPa	mm	mm	mm
O904Z	Carbon Steel Zinc Plated	235	14	41	5
O904G	Carbon Steel HDG	235	14	41	5
O904A2	Stainless Steel A2	-	14	41	5
O904A4	Stainless Steel A4	-	14	41	5

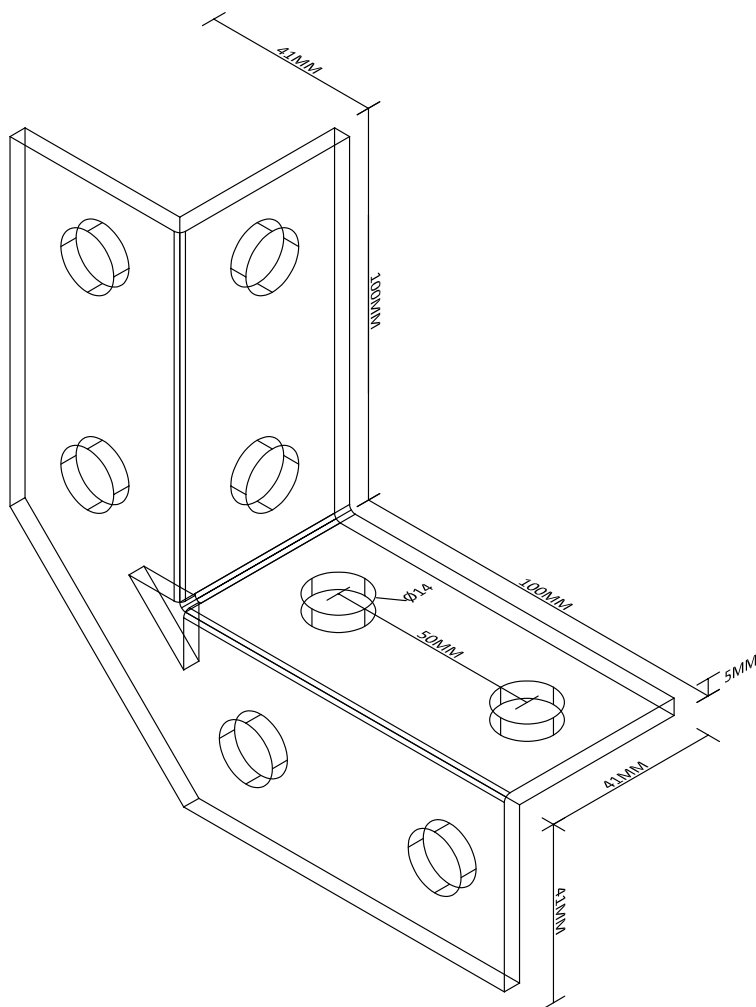


Brackets For C Channles – O9042D

Angle Bracket 4 Hole 2D:

Suitable for C channel sizes from 21 To 164

Item Code	Material	PY	Ø	Width	Thickness
		MPa	mm	mm	mm
O9042DZ	Carbon Steel Zinc Plated	235	14	41	5
O9042DG	Carbon Steel HDG	235	14	41	5
O9042DA2	Stainless Steel A2	-	14	41	5
O9042DA4	Stainless Steel A4	-	14	41	5

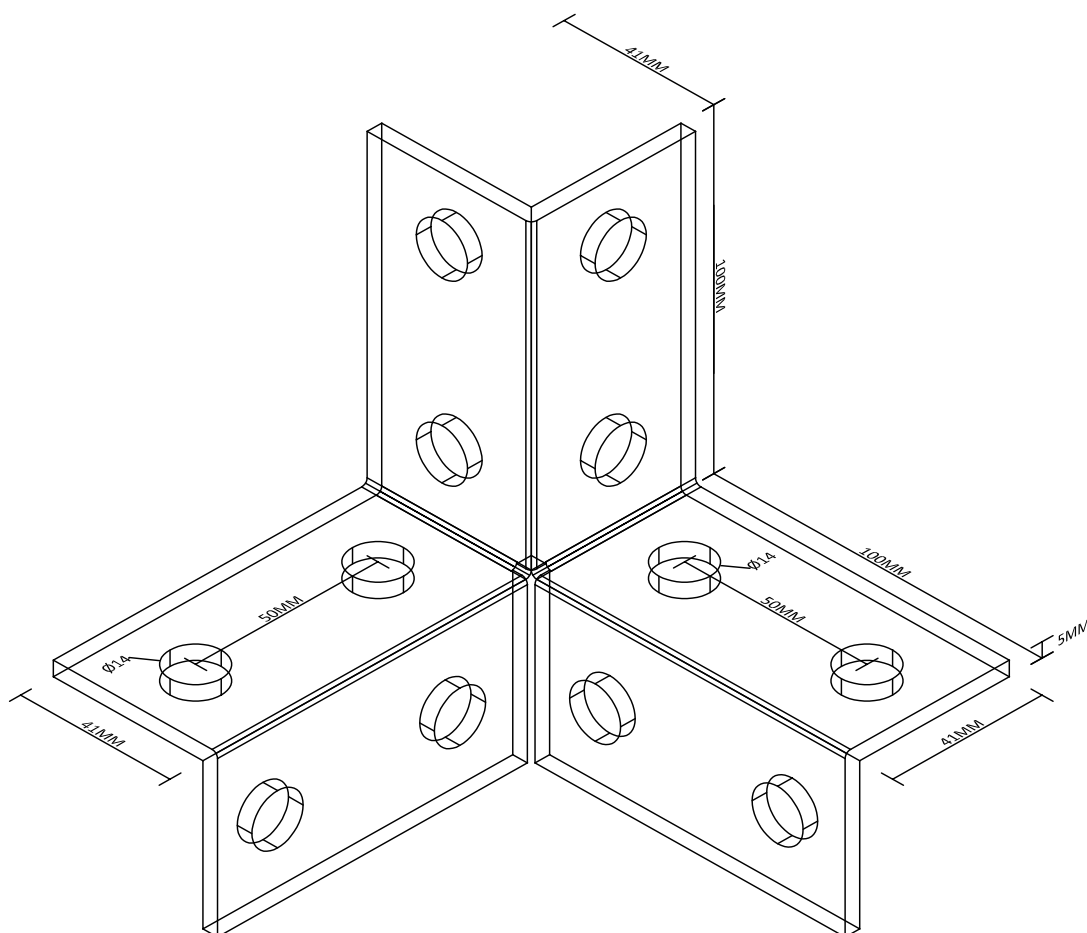


Brackets For C Channles – O9043D

Angle Bracket 4 Hole 3D:

Suitable for C channel sizes from 21 To 164

Item Code	Material	PY	Ø	Width	Thickness
		MPa	mm	mm	mm
O9043DZ	Carbon Steel Zinc Plated	235	14	41	5
O9043DG	Carbon Steel HDG	235	14	41	5
O9043DA2	Stainless Steel A2	-	14	41	5
O9043DA4	Stainless Steel A4	-	14	41	5

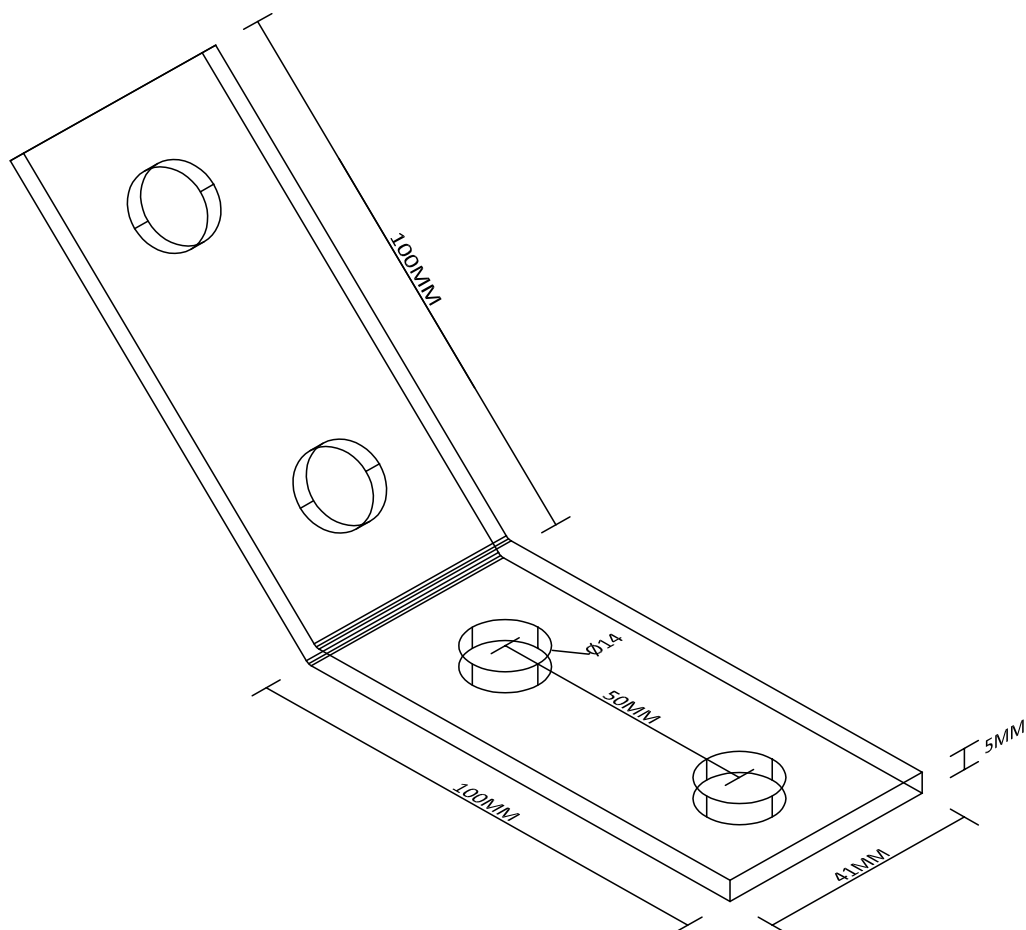


Brackets For C Channles – O1354

Angle Bracket 4 Hole 135:

Suitable for C channel sizes from 21 To 164

Item Code	Material	PY	Ø	Width	Thickness
		MPa	mm	mm	mm
O1354Z	Carbon Steel Zinc Plated	235	14	41	5
O1354G	Carbon Steel HDG	235	14	41	5
O1354A2	Stainless Steel A2	-	14	41	5
O91354A4	Stainless Steel A4	-	14	41	5

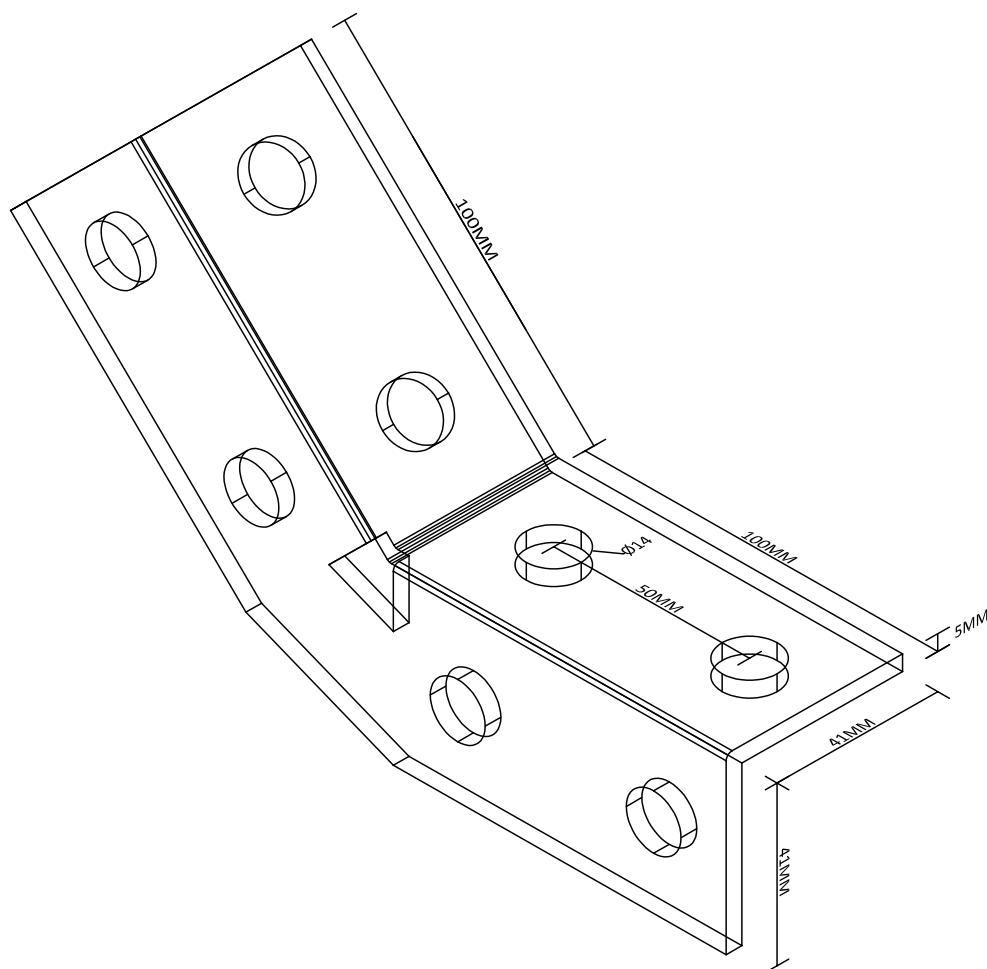


Brackets For C Channles – O13542D

Angle Bracket 4 Hole 135 – 2D:

Suitable for C channel sizes from 21 To 164

Item Code	Material	PY	Ø	Width	Thickness
		MPa	mm	mm	mm
O13542DZ	Carbon Steel Zinc Plated	235	14	41	5
O13542DG	Carbon Steel HDG	235	14	41	5
O13542DA2	Stainless Steel A2	-	14	41	5
O913542DA4	Stainless Steel A4	-	14	41	5



Square Tube - ST



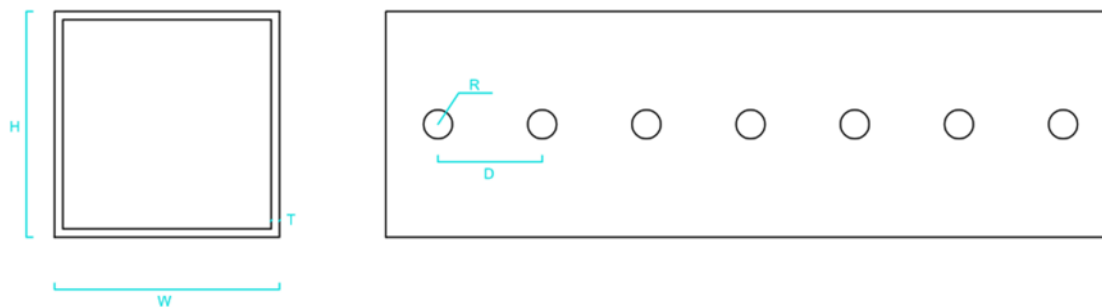
Characteristics

- Material: Galvanized steel (zinc plated - HDG), stainless steel (304 - 316).
- Hot Dip Galvanized Steel According to ASTM A36
- Corrosion protection via zinc coating or stainless-steel construction.

Applications

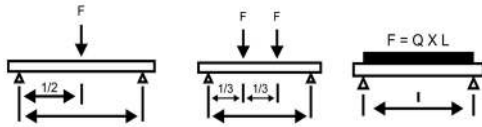
- Mechanical / Electrical / Facade

Dimensions



Tube							
Item Code	Weight	Cross section	H	W	T	D	R
	(Kg/m)	mm ²	mm	mm	mm	mm	mm
ST04036 STG04036	3.46	444	40	40	3	50	14
ST08046 STG08046	9.58	1216	80	80	4	50	14
ST10046 STG10046	12.06	1536	100	100	4	50	14
ST12046 STG12046	14.56	1856	120	120	4	50	14

Technical Data – Load Baring Capacity



Tube Size	TUBE LENGTH (m)	ST04036	ST08046	ST10046	ST12046
F1 (kN)	0.5	10.98	58.71	93.75	137.02
	1	5.41	27.90	46.72	68.18
	2	2.68	14.64	23.28	33.93
F2 (kN)	0.5	10.79	43.14	69.51	101.79
	1	5.21	21.30	34.76	50.71
	2	2.68	10.39	17.36	25.31
Uniformly Distributed (Kn/m)	0.5	104.47	284.65	347.00	431.82
	1	10.79	56.45	93.14	135.71
	2	2.61	14.48	23.28	34.05

Tube Beam Clamp - OTBC



Characteristics

- Material: Galvanized steel (zinc plated - HDG).
- Corrosion protection via zinc coating.

Applications

- Pipes Support – Electrical Support – HVAC Support.
- Suitable for industrial and commercial building insulation projects.

Technical Data

Item	Type of channel	D	Load capacity
	(mm)	(mm)	(KN)
OTBC050	TUBE 50X50	M12	12
OTBC080	TUBE 80X80	M12	12
OTBC100	TUBE 100X100	M12	12
OTBC120	TUBE 120X120	M12	12

Brackets For Square Tube – STB90



Characteristics

- Material: Galvanized steel (zinc plated - HDG), stainless steel (304 - 316).
- Hot Dip Galvanized Steel According to ASTM A123
- Corrosion protection via zinc coating or stainless steel construction.

Applications

- Mechanical / Electrical / Facade

Base Plate For Square Tube – STBP



Characteristics

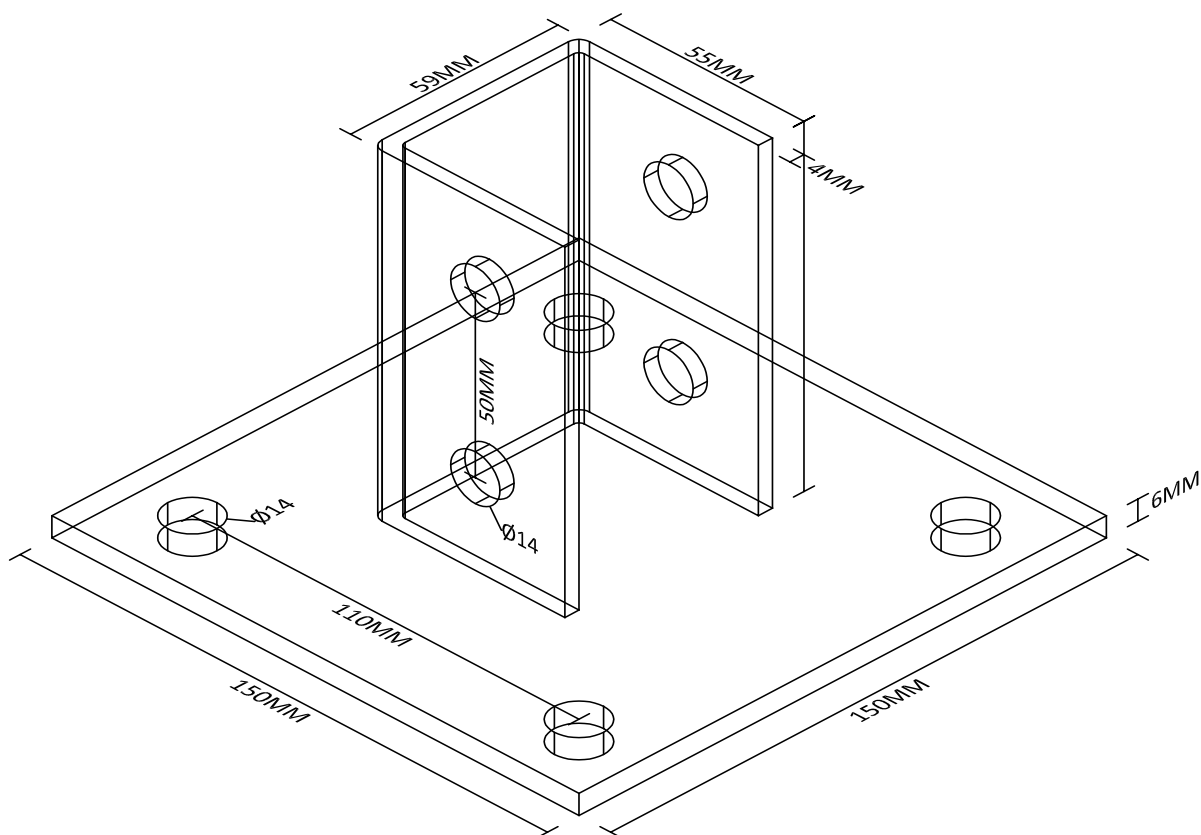
- Material: Galvanized steel (zinc plated - HDG), stainless steel (304 - 316).
- Hot Dip Galvanized Steel According to ASTM A123
- Corrosion protection via zinc coating or stainless steel construction.

Applications

- Mechanical / Electrical / Facade

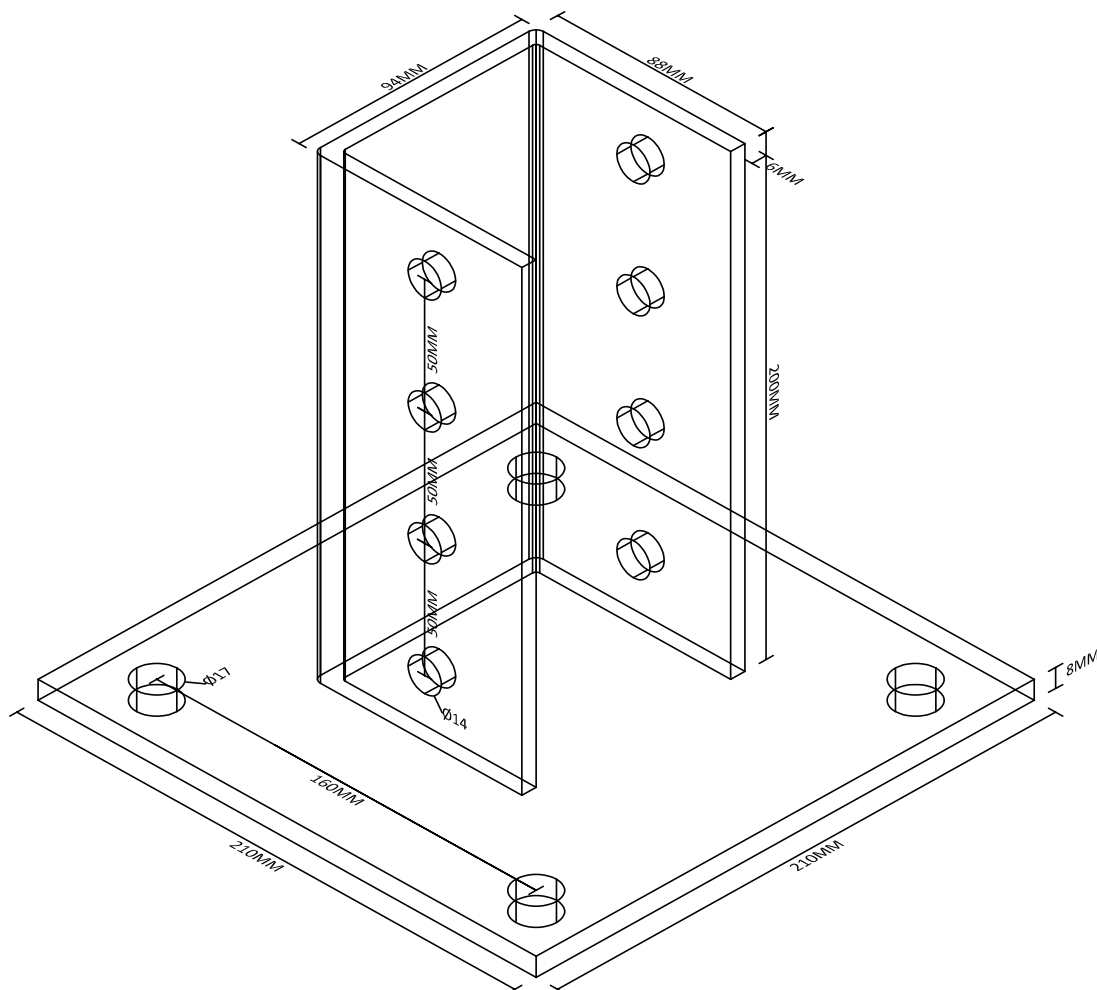
Base Plate For Square Tube 50X50

Item Code	Material	PY	ϕ	Width	Thickness
		MPa	mm	mm	mm
STBP050	Carbon Steel Zinc Plated	235	14	150 x 150	6
STBPG050	Carbon Steel HDG	235	14	150 x 150	6
STBPA2050	Stainless steel 304	-	14	150 x 150	6
STBPA4050	Stainless steel 316	-	14	150 x 150	6



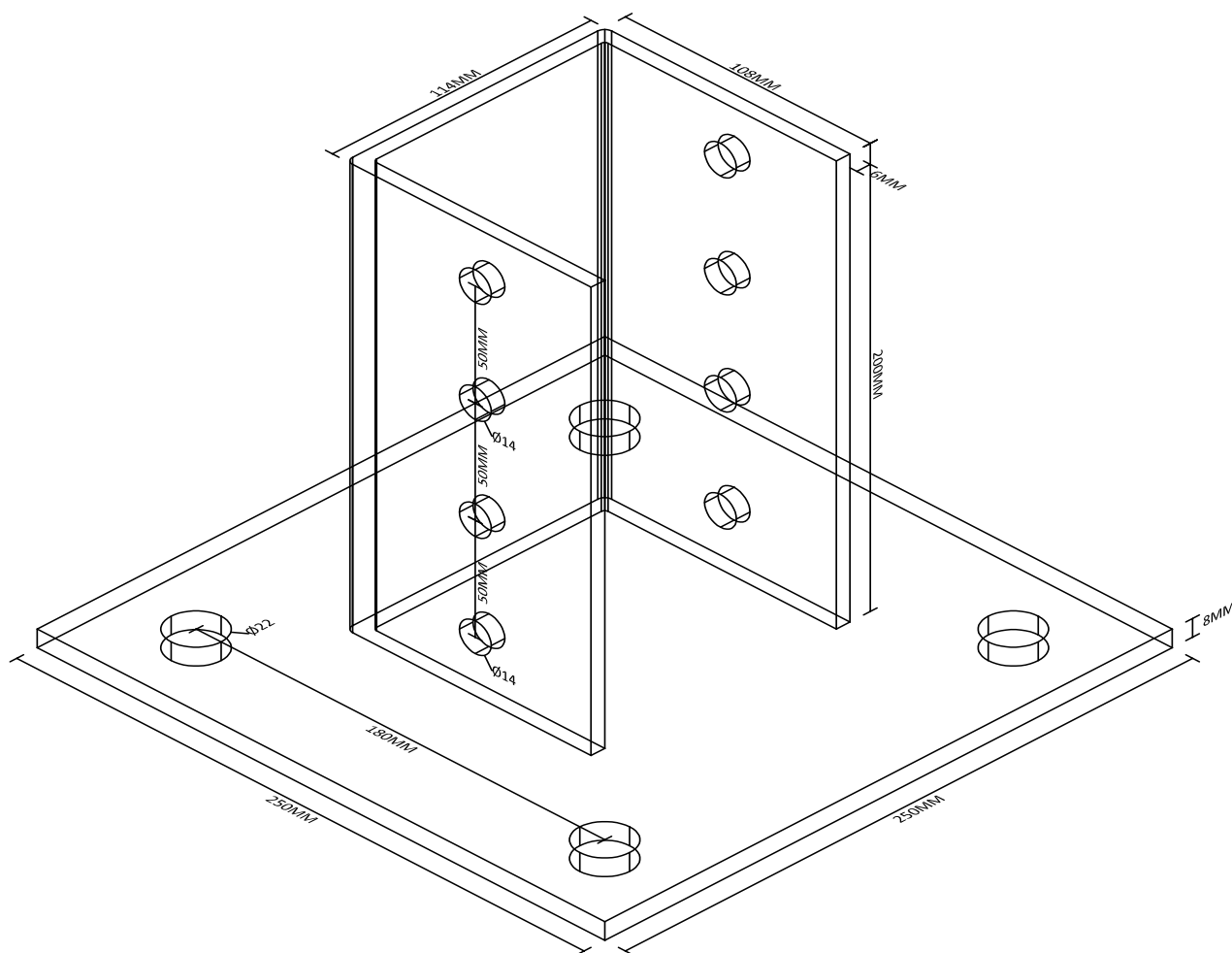
Base Plate For Square Tube 80X80

Item Code	Material	PY	ϕ	Width	Thickness
		MPa	mm	mm	mm
STBP080	Carbon Steel Zinc Plated	235	17	210 x 210	8
STBPG080	Carbon Steel HDG	235	17	210 x 210	8
STBPA2080	Stainless steel 304	-	17	210 x 210	8
STBPA4080	Stainless steel 316	-	17	210 x 210	8



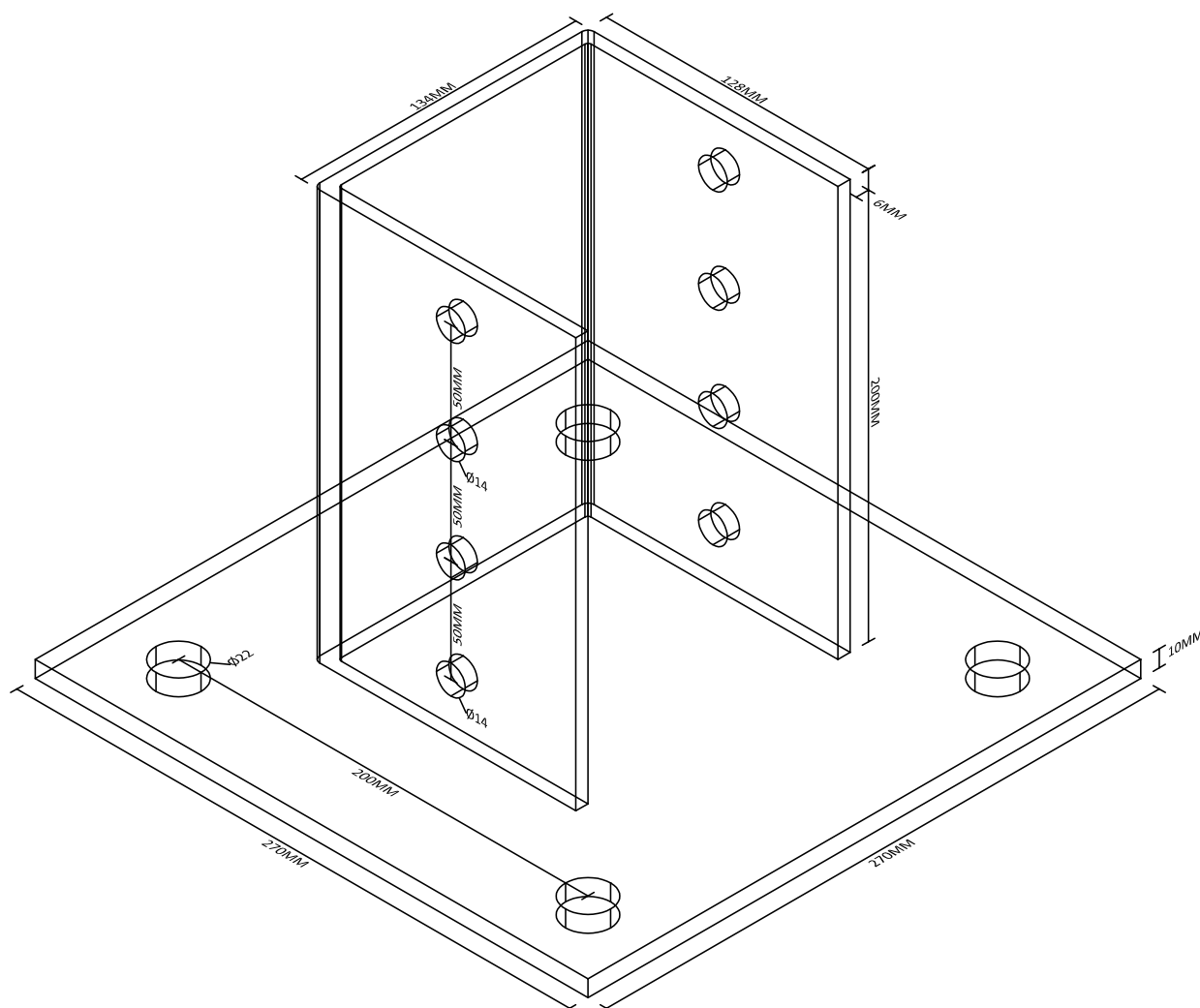
Base Plate For Square Tube 100X100

Item Code	Material	PY	Ø	Width	Thickness
		MPa	mm	mm	mm
STBP100	Carbon Steel Zinc Plated	235	22	250 x 250	8
STBPG100	Carbon Steel HDG	235	22	250 x 250	8
STBPA2100	Stainless steel 304	-	22	250 x 250	8
STBPA4100	Stainless steel 316	-	22	250 x 250	8



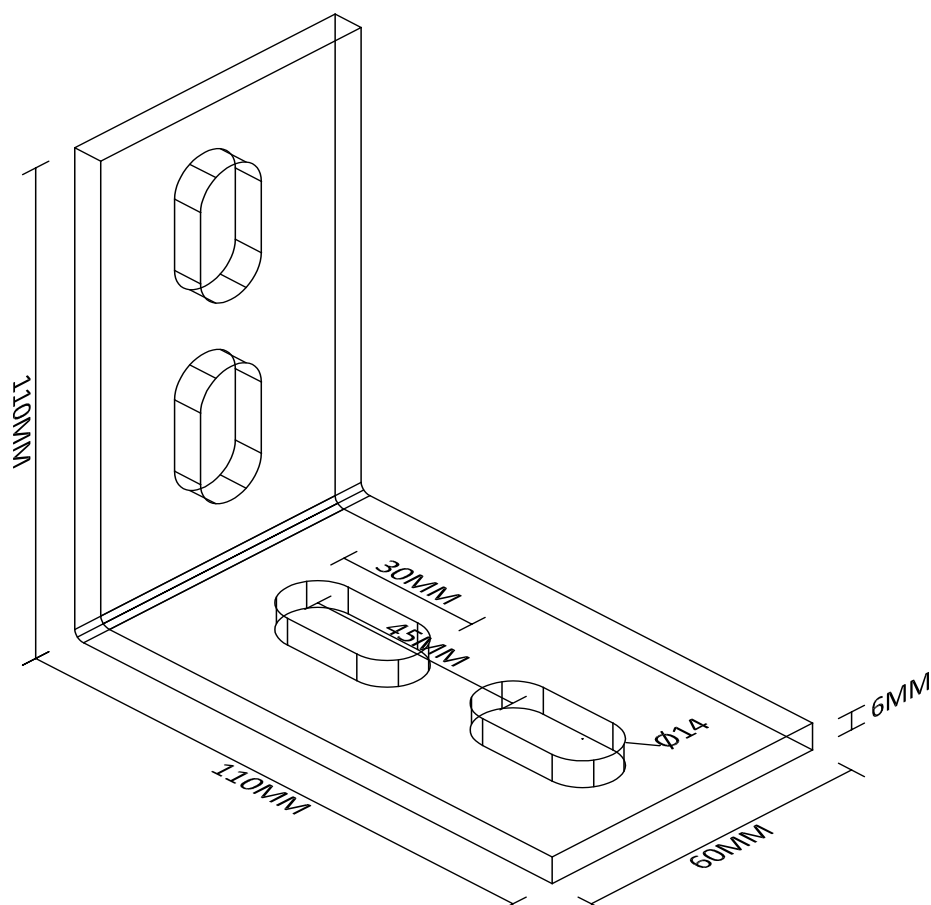
Base Plate For Square Tube 120X120

Item Code	Material	PY	ϕ	Width	Thickness
		MPa	mm	mm	mm
STBP120	Carbon Steel Zinc Plated	235	22	270 x 270	10
STBPG120	Carbon Steel HDG	235	22	270 x 270	10
STBPA2120	Stainless steel 304	-	22	270 x 270	10
STBPA4120	Stainless steel 316	-	22	270 x 270	10



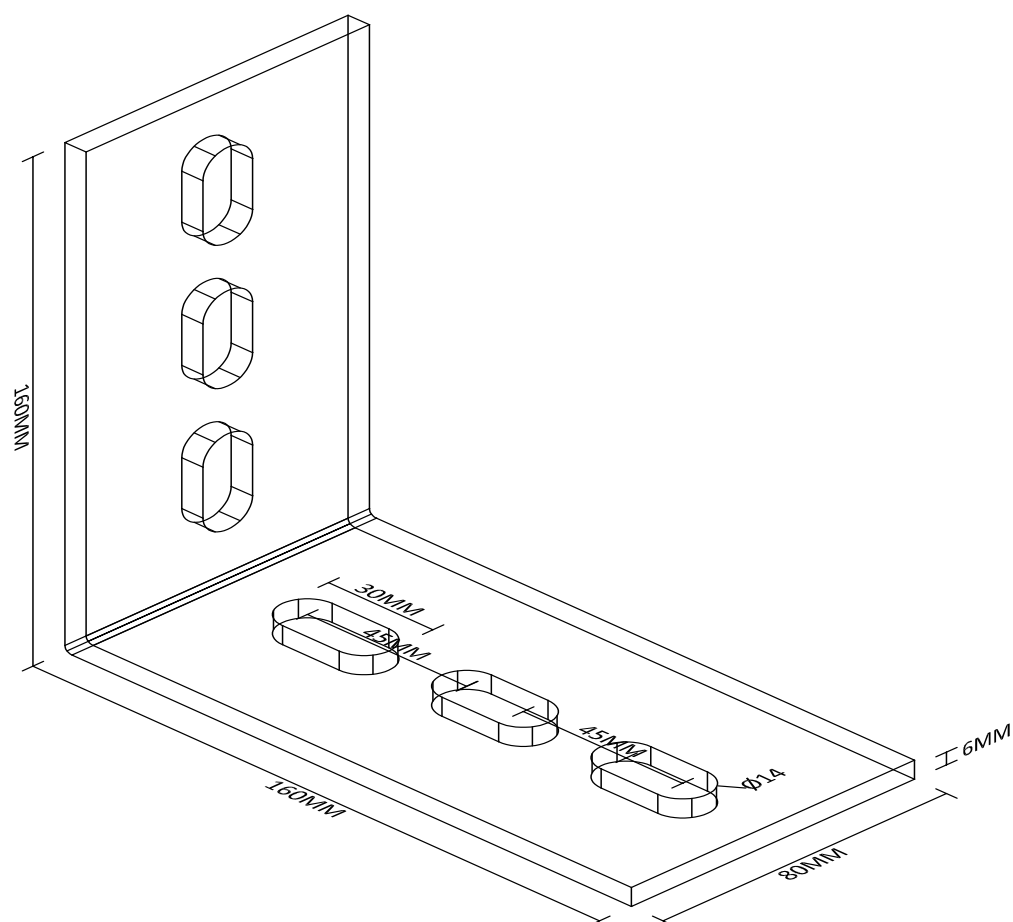
90° Brackets For Square Tube 50X50

Item Code	Material	PY	Ø	Width	Thickness
		MPa	mm	mm	mm
STB90050	Carbon Steel Zinc Plated	235	14	50	6
STBG90050	Carbon Steel HDG	235	14	50	6
STBA290050	Stainless steel 304	-	14	50	6
STBA490050	Stainless steel 316	-	14	50	6



90° Brackets For Square Tube 80X80

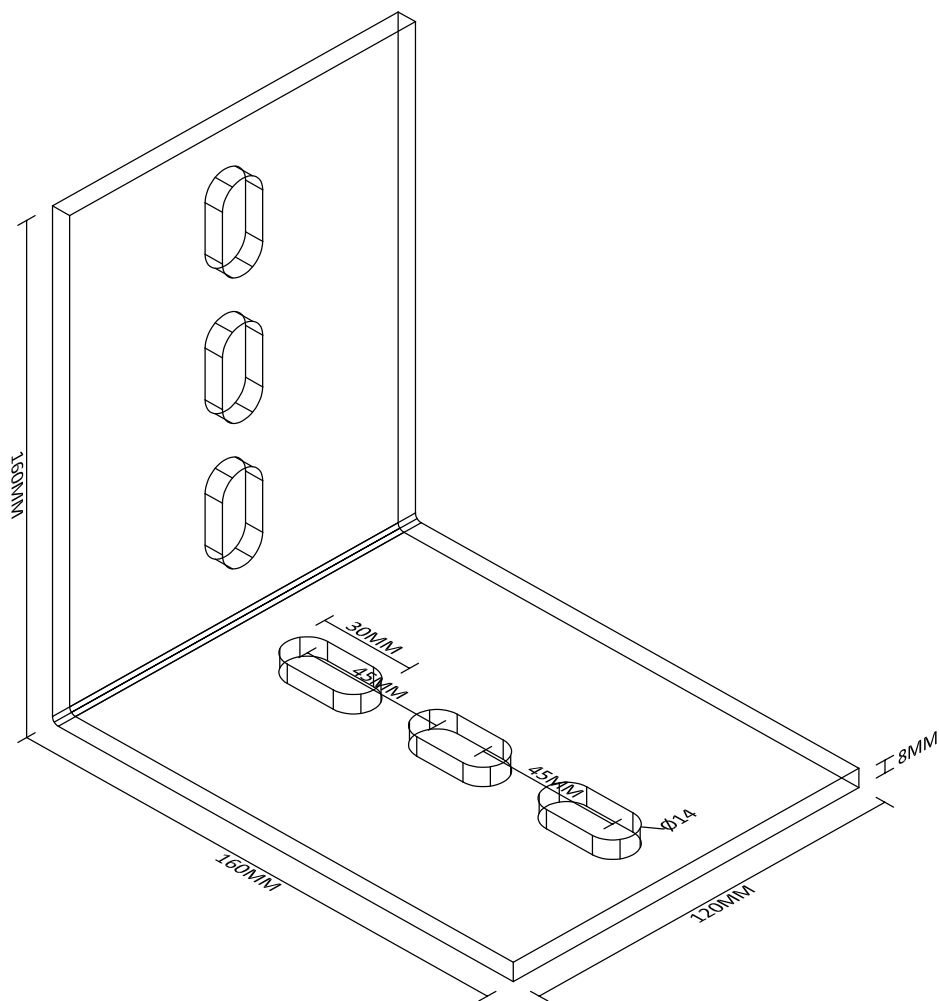
Item Code	Material	PY	Ø	Width	Thickness
		MPa	mm	mm	mm
STB90080	Carbon Steel Zinc Plated	235	14	80	6
STBG90080	Carbon Steel HDG	235	14	80	6
STBA290080	Stainless steel 304	-	14	80	6
STBA490080	Stainless steel 316	-	14	80	6



Technical drawing of a 3D assembly. The assembly consists of a base plate and a vertical plate. The base plate has a width of 160MM and a depth of 100MM. It features three rectangular slots, each with a width of 30MM and a depth of 45MM. The vertical plate has a height of 150MM and a thickness of 6MM. It also features three rectangular slots, each with a width of 30MM and a depth of 45MM. The slots on the vertical plate are aligned with the slots on the base plate. The distance between the centers of the slots on the base plate is 14MM. The distance between the centers of the slots on the vertical plate is 14MM.

90° Brackets For Square Tube 120X120

Item Code	Material	PY	Ø	Width	Thickness
		MPa	mm	mm	mm
STB90120	Carbon Steel Zinc Plated	235	14	120	6
STBG90120	Carbon Steel HDG	235	14	120	6
STBA290120	Stainless steel 304	-	14	120	6
STBA490120	Stainless steel 316	-	14	120	6



Bracing Brackets For Square Tube – STB135



Characteristics

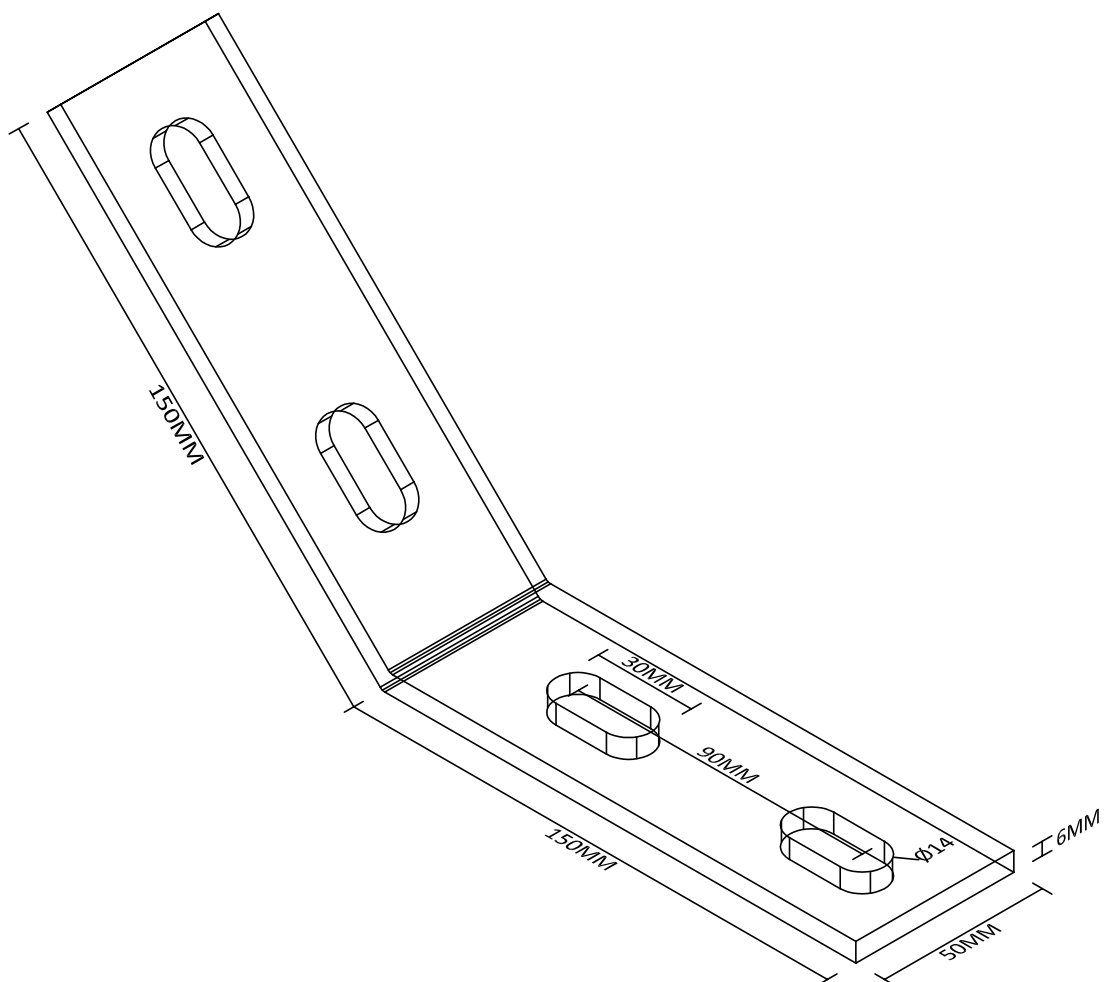
- Material: Galvanized steel (zinc plated - HDG), stainless steel (304 - 316).
- Hot Dip Galvanized Steel According to ASTM A123
- Corrosion protection via zinc coating or stainless steel construction.

Applications

- Mechanical / Electrical / Facade

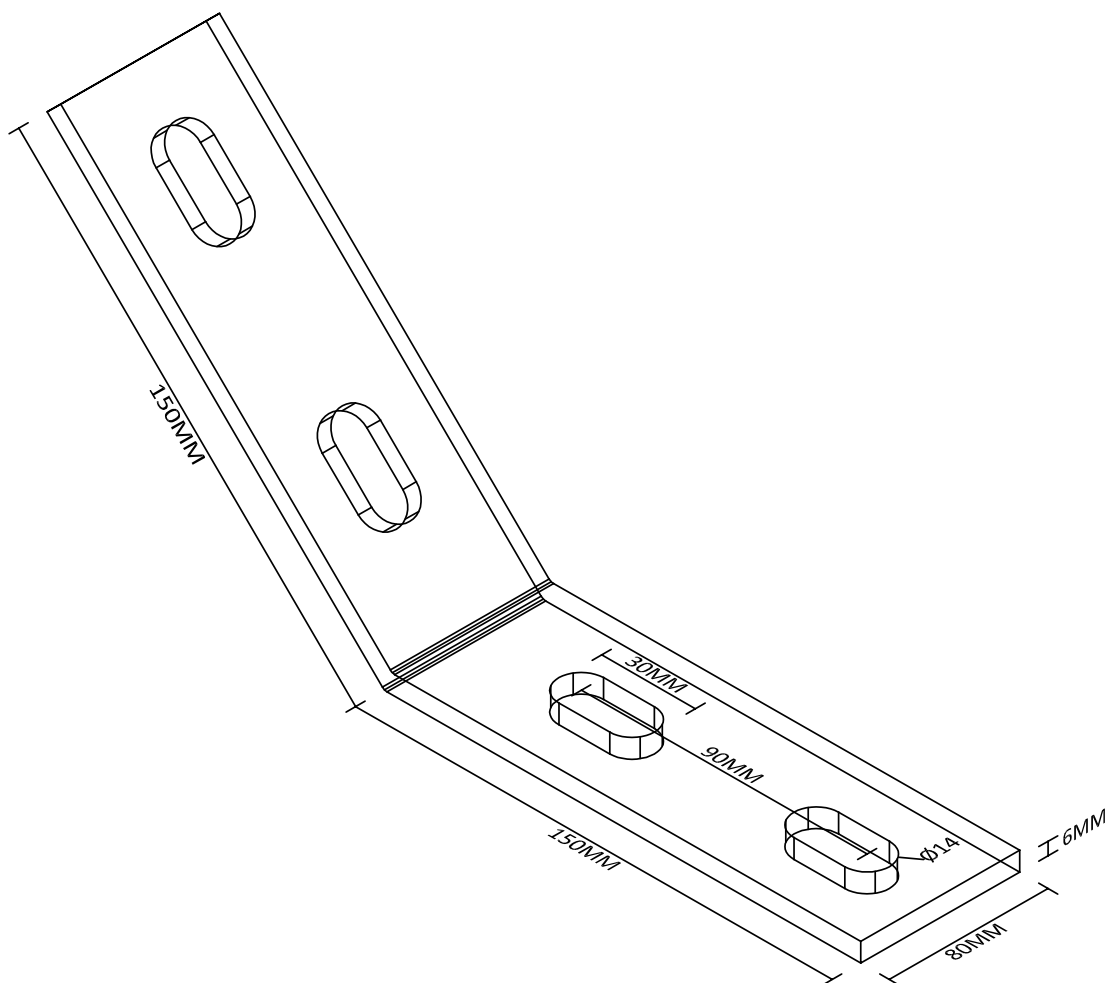
135° Brackets For Square Tube 50X50

Item Code	Material	PY	Ø	Width	Thickness
		MPa	mm	mm	mm
STB135050	Carbon Steel Zinc Plated	235	14	50	6
STBG135050	Carbon Steel HDG	235	14	50	6
STBA2135050	Stainless steel 304	-	14	50	6
STBA4135050	Stainless steel 316	-	14	50	6



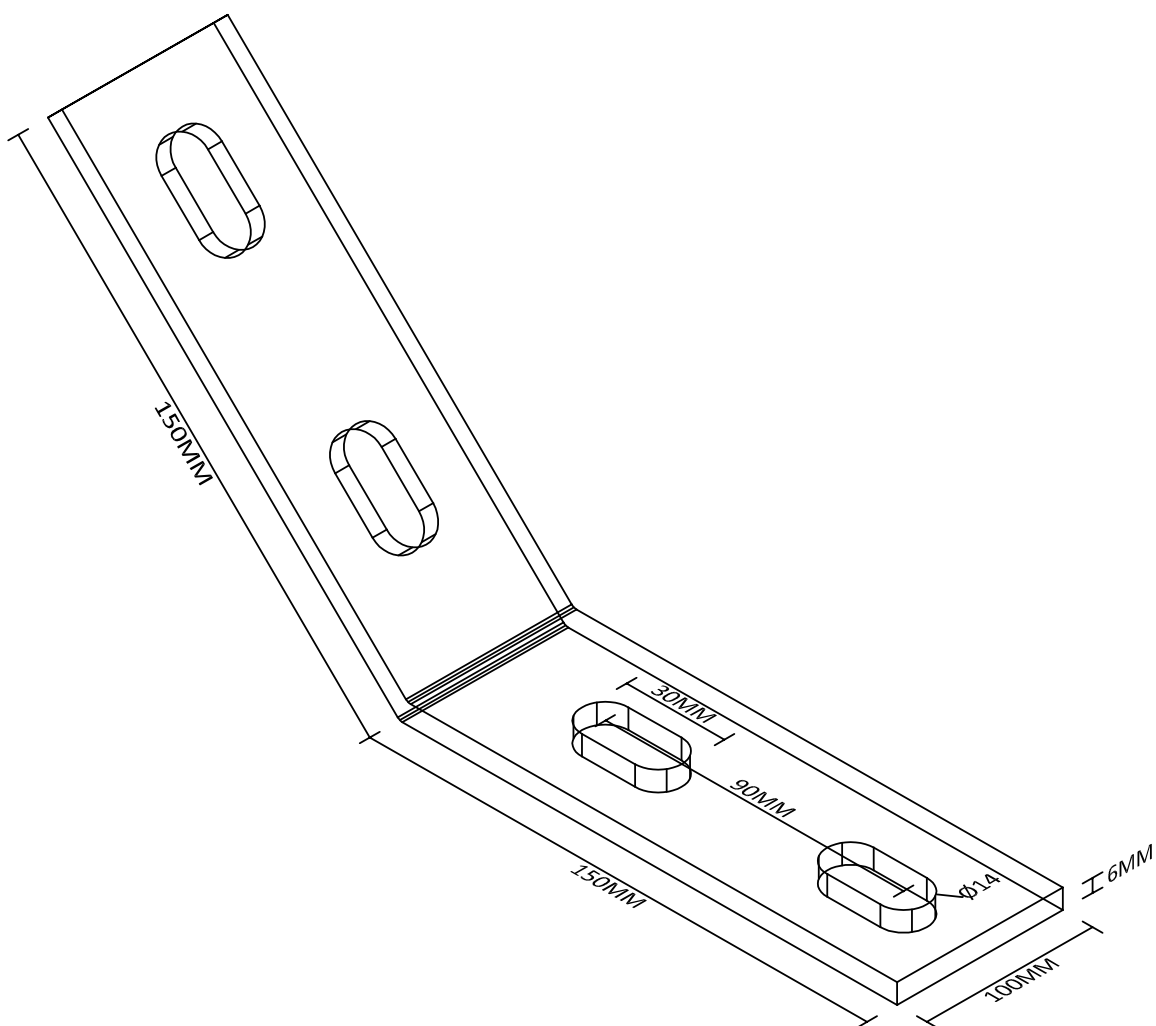
135° Brackets For Square Tube 80X80

Item Code	Material	PY	Ø	Width	Thickness
		MPa	mm	mm	mm
STB135080	Carbon Steel Zinc Plated	235	14	80	6
STBG135080	Carbon Steel HDG	235	14	80	6
STBA2135080	Stainless steel 304	-	14	80	6
STBA4135080	Stainless steel 316	-	14	80	6



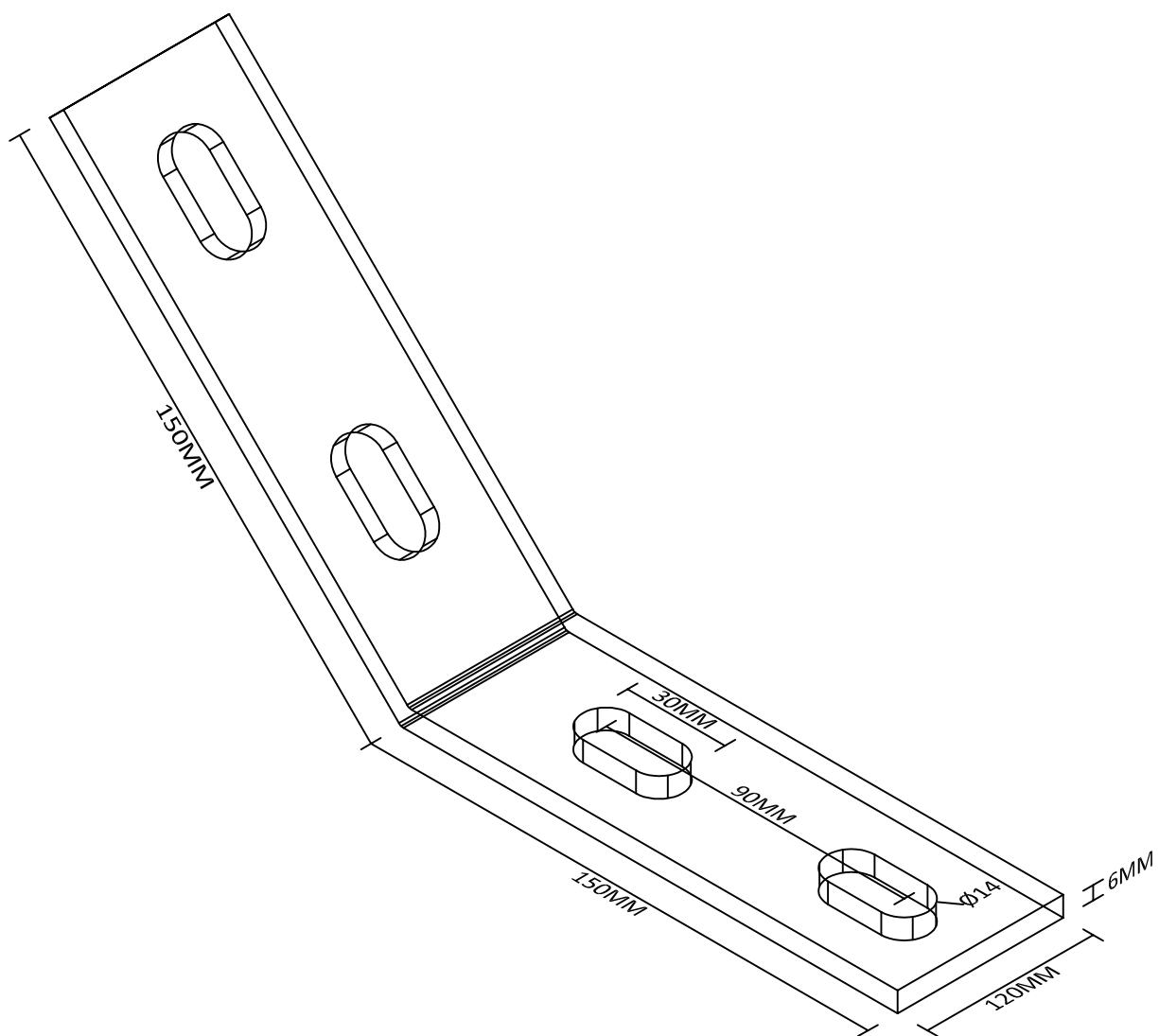
135° Brackets For Square Tube 100X100

Item Code	Material	PY	Ø	Width	Thickness
		MPa	mm	mm	mm
STB135100	Carbon Steel Zinc Plated	235	14	100	6
STBG135100	Carbon Steel HDG	235	14	100	6
STBA2135100	Stainless steel 304	-	14	100	6
STBA4135100	Stainless steel 316	-	14	100	6

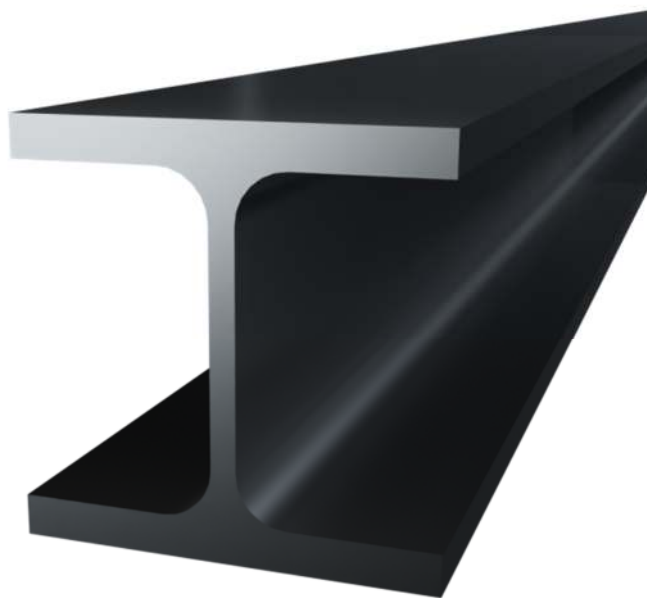


135° Brackets For Square Tube 120X120

Item Code	Material	PY	Ø	Width	Thickness
		MPa	mm	mm	mm
STB135120	Carbon Steel Zinc Plated	235	14	120	6
STBG135120	Carbon Steel HDG	235	14	120	6
STBA2135120	Stainless steel 304	-	14	120	6
STBA4135120	Stainless steel 316	-	14	120	6



Parallel Flange I Beams - IPE



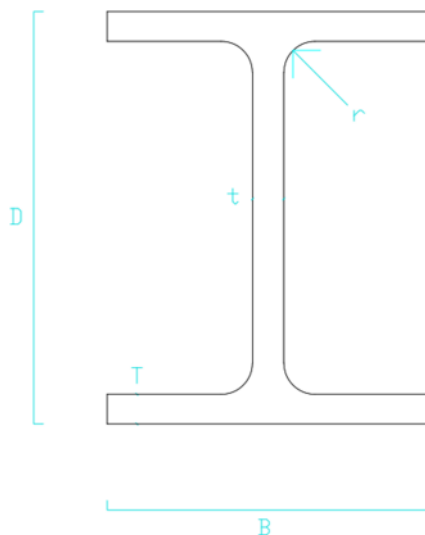
Characteristics

- Material: Galvanized steel (zinc plated - HDG).
- Hot Dip Galvanized Steel According to ASTM A36
- Corrosion protection via zinc coating or stainless-steel construction.

Applications

- Mechanical / Electrical / Facade
- Structural support

Dimensions



Parallel Flange I Beams							
Item Code	Weight	Cross section	D	B	T	t	r
	(Kg/m)	mm ²	mm	mm	mm	mm	mm
IPE0806	6.00	760	80	13	5.2	3.8	5
IPE1006	8.10	1030	100	55	5.7	4.1	7
IPE1206	10.40	1320	120	64	6.3	4.4	7
IPE1406	12.90	1640	140	73	6.9	4.7	7
IPE1606	15.80	2010	160	82	7.4	5	9
IPE1806	18.80	2390	180	91	8	5	9
IPE2006	22.40	2850	200	100	8.5	5.6	12
IPE2206	26.20	3340	220	110	9.2	5.9	12
IPE2406	30.70	3910	240	120	9.8	6.2	15

Dimensions

Parallel Flange I Beams							
Item Code	Weight	Cross section	D	B	T	t	r
	(Kg/m)	mm ²	mm	mm	mm	mm	mm
IPE2706	36.10	4590	270	135	10.2	6.6	15
IPE3006	42.20	5380	300	150	10.7	7.1	15
IPE3306	49.10	6260	330	160	11.5	7.5	18
IPE3606	57.10	7270	360	170	12.7	8	18
IPE4006	66.30	8450	400	180	13.5	8.6	21
IPE4506	77.60	9880	450	190	14.6	9.4	21
IPE5006	90.70	11600	500	200	16	10.2	21
IPE5506	106.00	13400	550	210	17.2	11.1	24
IPE6006	122.00	15600	600	220	19	12	24

L angle - LA



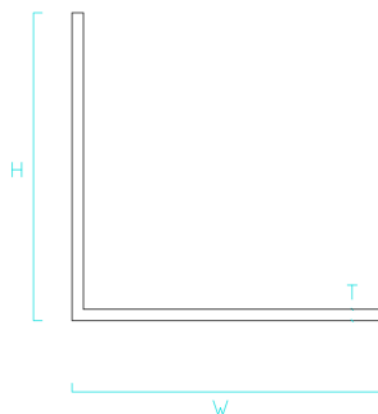
Characteristics

- Material: Galvanized steel (zinc plated - HDG), stainless steel (304 - 316).
- Hot Dip Galvanized Steel According to ASTM A36
- Corrosion protection via zinc coating or stainless-steel construction.

Applications

- Mechanical / Electrical / Facade

Dimensions



L angle					
Item Code	Weight	Cross section	H	W	T
	(Kg/m)	mm ²	mm	mm	mm
LA02003	0.89	111	20	20	3
LA02503	1.12	141	25	25	3
LA02504	1.45	184	25	25	4
LA02505	1.70	225	25	25	5
LA03003	1.36	174	30	30	3
LA03004	1.76	227	30	30	4
LA03005	2.16	278	30	30	5
LA03506	1.65	387	35	35	6
LA04003	2.42	236	40	40	3
LA04004	2.42	309	40	40	4
LA04005	2.95	380	40	40	5

Dimensions

L angle					
Item Code	Weight	Cross section	H	W	T
	(Kg/m)	mm ²	mm	mm	mm
LA04006	3.52	449	40	40	6
LA04504	2.74	352	45	45	4
LA04505	3.38	433	45	45	5
LA05003	2.33	299	50	50	3
LA05004	3.06	392	50	50	4
LA05005	3.77	4.83	50	50	5
LA05006	4.43	5.72	50	50	6
LA05008	5.78	744	50	50	8
LA06005	4.55	586	60	60	5
LA06006	5.42	695	60	60	6
LA06505	5.00	640	65	65	5
LA06506	5.91	759	65	65	6
LA06508	7.66	991	65	65	8
LA07006	6.38	819	70	70	6
LA07506	6.85	876	75	75	6
LA07508	9.03	1150	75	75	8
LA07510	10.99	1410	75	75	10
LA075 050 06	5.65	722	75	50	6
LA075 050 08	7.39	944	75	50	8

Dimensions

L angle					
Item Code	Weight	Cross section	H	W	T
	(Kg/m)	mm ²	mm	mm	mm
LA08006	7.34	936	80	80	6
LA08008	9.66	1230	80	80	8
LA08010	11.80	1510	80	80	10
LA09006	8.30	1060	90	90	6
LA09008	10.90	1390	90	90	8
LA09010	13.40	1720	90	90	10
LA10006	9.20	1190	100	100	6
LA10008	12.20	1560	100	100	8
LA10010	15.00	1920	100	100	10
LA100 065 08	9.40	1270	100	65	8
LA100 065 10	12.30	1560	100	65	10
LA12008	14.70	1880	120	120	8
LA12010	18.20	2330	120	120	10
LA125 075 08	10.60	1350	125	75	8
LA125 075 10	13.00	1660	125	75	10
LA13008	15.90	2050	130	130	8
LA13010	19.70	2530	130	130	10
LA15008	18.00	2380	150	150	8
LA15010	23.00	2950	150	150	10

Dimensions

L angle					
Item Code	Weight	Cross section	H	W	T
	(Kg/m)	mm ²	mm	mm	mm
LA150 075 08	13.80	1750	150	75	8
LA150 075 10	17.00	2170	150	75	10
LA150 090 08	14.30	1870	150	90	8
LA150 090 10	18.20	2320	150	90	10

Tapered Flange Channels - UPN



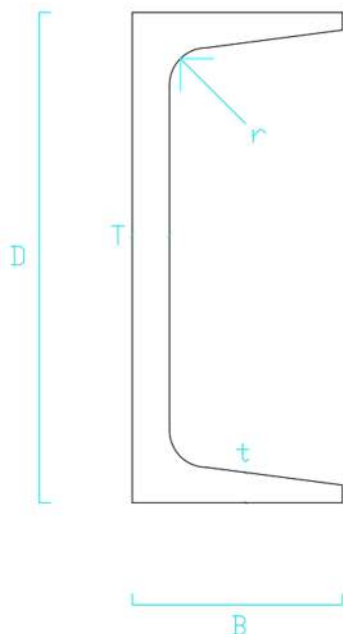
Characteristics

- Material: Galvanized steel (zinc plated - HDG).
- Hot Dip Galvanized Steel According to ASTM A36
- Corrosion protection via zinc coating or stainless-steel construction.

Applications

- Mechanical / Electrical / Facade
- Structural support

Dimensions

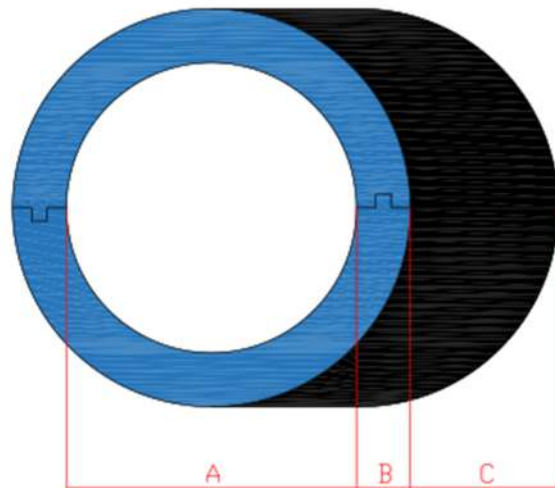
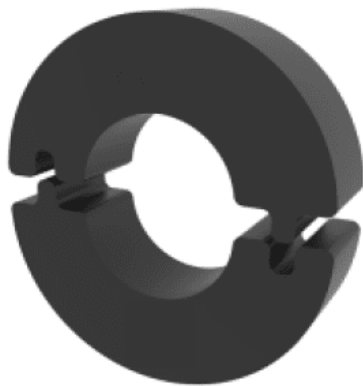


Tapered Flange Channels - UPN							
Item Code	Weight	Cross section	D	B	T	t	r
	(Kg/m)	mm ²	mm	mm	mm	mm	mm
UPN050	5.60	710	50	38	7	5	7
UPN065	7.10	900	65	42	7.5	5.5	7.5
UPN080	8.60	1100	80	45	8	6	8
UPN100	10.60	1350	100	50	8.5	6	8.5
UPN120	13.40	1700	120	55	9	7	9
UPN140	16.00	2040	140	60	10	7	10
UPN160	18.80	2400	160	65	10.5	7.5	10.5
UPN180	22.00	2800	180	70	11	8	11
UPN200	25.30	3220	200	75	11.5	8.5	11.5

Dimensions

Tapered Flange Channels - UPN							
Item Code	Weight	Cross section	D	B	T	t	r
	(Kg/m)	mm ²	mm	mm	mm	mm	mm
UPN220	29.40	3740	220	80	12.5	9	12.5
UPN240	33.20	4230	240	85	13	9.5	13
UPN260	37.90	4830	260	90	14	10	14
UPN280	41.80	5330	280	95	15	10	15
UPN300	46.20	5880	300	100	16	10	16
UPN320	59.50	7580	320	100	17.5	14	17.5
UPN350	60.60	7730	350	100	16	14	16
UPN380	63.10	8040	380	102	16	13.5	16
UPN400	71.80	9150	400	110	18	14	18

Rubber Support Insert - RSI



Characteristics

- Operation Temperature: -35 to 120C
- Decomposition Temperature: > 200C
- Compressive Strength as per ISO 76191: 80-90
- High load bearing capacity as per ISO 76191
- Vibration isolation

Applications

- Replacing insulation for chilled water pipes at supporting points.

U-Strap – ABZ/ABG



Characteristics

- Made with mild steel (GI & HDG) or Stainless steel (SS304/SS316/SS316 low carbon)
- High load bearing capacity as per A36 mild steel or ANSI A304 / A316 / A316 stainless steel

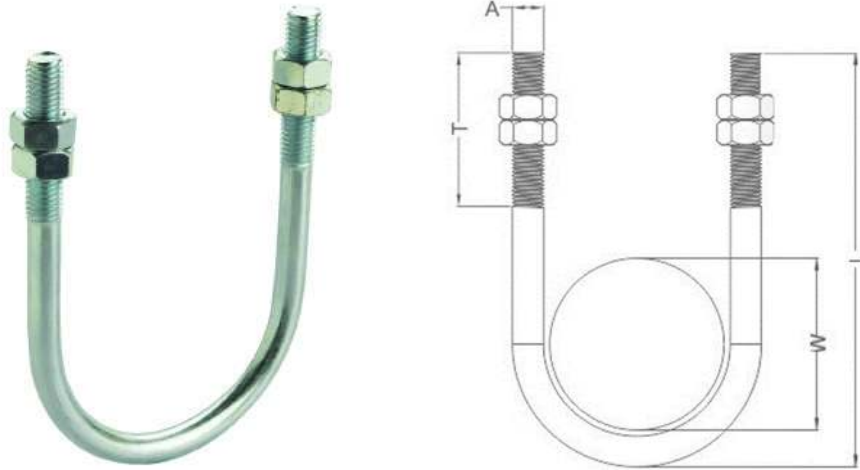
Applications

- Installing chilled water pipes on C channels.



	Inch	mm	Outer Diameter mm	Item code for rubber support insert and U-Strap based on insulation thickness																
				0' (0mm)	1/2' (12.5mm)		3/4' (18.75mm)		1' (25mm)		1 1/4' (32mm)		1 1/2' (38mm)		2' (50mm)		2 1/2' (62.5mm)		3' (75mm)	
				U-Strap Size mm	RSI	U-Strap Size mm	RSI	U-Strap Size mm	RSI	U-Strap Size mm	RSI	U-Strap Size mm	RSI	U-Strap Size mm	RSI	U-Strap Size mm	RSI	U-Strap Size mm	RSI	U-Strap Size mm
Pipe Size Steel Pipe Schedule 40	1/2'	15	21.3	022	RSI 1/2x1/2x1	047	RSI 1/2x3/4x1	059	RSI 1/2x1x1	072	RSI 1/2x1 1/4x1	084	RSI 1/2x1 1/2x1	098	RSI 1/2x2x1	122	RSI 1/2x2 1/2x1	148	RSI 1/2x3x1	173
	3/4'	20	26.7	027	RSI 3/4x1/2x1	052	RSI 3/4x3/4x1	065	RSI 3/4x1x1	077	RSI 3/4x1 1/4x1	092	RSI 3/4x1 1/2x1	102	RSI 3/4x2x1	126	RSI 3/4x2 1/2x1	153	RSI 3/4x3x1	178
	1'	25	33.4	034	RSI 1x1/2x1	059	RSI 1x3/4x1	072	RSI 1x1x1	084	RSI 1x1 1/4x1	098	RSI 1x1 1/2x1	110	RSI 1x2x1	133	RSI 1x2 1/2x1	160	RSI 1x3x1	185
	1 1/4'	32	42.2	043	RSI 1 1/4x1/2x1	068	RSI 1 1/4x3/4x1	080	RSI 1 1/4x1x1	092	RSI 1 1/4x1 1/4x1	107	RSI 1 1/2x1 1/2x1	114	RSI 1 1/4x2x1	142	RSI 1 1/4x2 1/2x1	168	RSI 1 1/4x3x1	189
	1 1/2'	40	48.3	047	RSI 1 1/2x1/2x1	072	RSI 1 1/2x3/4x1	084	RSI 1 1/2x1x1	098	RSI 1 1/2x1 1/4x1	114	RSI 1 1/2x1 1/2x1	126	RSI 1 1/2x2x1	148	RSI 1 1/2x2 1/2x1	173	RSI 1 1/2x3x1	199
	2'	50	60.3	059	RSI 2x1/2x1	085	RSI 2x3/4x1	098	RSI 2x1x1	110	RSI 2x1 1/4x1	126	RSI 2x1 1/2x1	133	RSI 2x2x1	160	RSI 2x2 1/2x1	185	RSI 2x3x1	210
	2 1/2'	65	73	072	RSI 2 1/2x1/2x1 1/2	098	RSI 2 1/2x3/4x1 1/2	110	RSI 2 1/2x1x1 1/2	123	RSI 2 1/2x1 1/4x1 1/2	133	RSI 2 1/2x1 1/2x1 1/2	148	RSI 2 1/2x2x1 1/2	173	RSI 2 1/2x2 1/2x1 1/2	199	RSI 2 1/2x3x1 1/2	225
	3'	80	88.9	092	RSI 3x1/2x1 1/2	114	RSI 3x3/4x1 1/2	126	RSI 3x1x1 1/2	140	RSI 3x1 1/4x1 1/2	153	RSI 3x1 1/2x1 1/2	173	RSI 3x2x1 1/2	189	RSI 3x2 1/2x1 1/2	214	RSI 3x3x1 1/2	241
	3 1/2'	90	102	102	RSI 3 1/2x1/2x1 1/2	126	RSI 3 1/2x3/4x1 1/2	140	RSI 3 1/2x1x1 1/2	153	RSI 3 1/2x1 1/4x1 1/2	168	RSI 3 1/2x1 1/2x1 1/2	178	RSI 3 1/2x2x1 1/2	202	RSI 3 1/2x2 1/2x1 1/2	225	RSI 3 1/2x3x1 1/2	250
	4'	100	114	114	RSI 4x1/2x1 1/2	140	RSI 4x3/4x1 1/2	153	RSI 4x1x1 1/2	164	RSI 4 x1 1/4x1 1/2	178	RSI 4 x1 1/2x1 1/2	189	RSI 4x2x1 1/2	214	RSI 4x2 1/2x1 1/2	240	RSI 4x3x1 1/2	264
	5'	125	141	140	RSI 5x1/2x1 1/2	168	RSI 5x3/4x1 1/2	178	RSI 5x1x1 1/2	189	RSI 5x1 1/4x1 1/2	205	RSI 5x1 1/2x1 1/2	214	RSI 5x2x1 1/2	241	RSI 5x2 1/2x1 1/2	268	RSI 5x3x1 1/2	291
	6'	150	168	168	RSI 6x1/2x2	189	RSI 6x3/4x2	205	RSI 6x1x2	214	RSI 6x1 1/4x2	233	RSI 6x1 1/2x2	241	RSI 6x2x2	269	RSI 6x2 1/2x2	295	RSI 6x3x2	319
	8'	200	219	214	RSI 8x1/2x2	245	RSI 8x3/4x2	257	RSI 8x1x2	269	RSI 8x1 1/4x2	283	RSI 8x1 1/2x2	295	RSI 8x2x2	319	RSI 8x2 1/2x2	344	RSI 8x3x2	369
	10'	250	273	273	RSI 10x1/2x2	298	RSI 10x3/4x2	311	RSI 10x1x2	319	RSI 10x1 1/4x2	337	RSI 10x1 1/2x2	349	RSI 10x2x2	373	RSI 10x2 1/2x2	400	RSI 10x3x2	424
	12'	300	324	324	RSI 12x1/2x2	349	RSI 12x3/4x2	362	RSI 12x1x2	373	RSI 12x1 1/4x2	388	RSI 12x1 1/2x2	400	RSI 12x2x2	424	RSI 12x2 1/2x2	450	RSI 12x3x2	473
	14'	350	356	353	RSI 14x1/2x2	381	RSI 14x3/4x2	394	RSI 14x1x2	406	RSI 14x1 1/4x2	424	RSI 14x1 1/2x2	431	RSI 14x2x2	456	RSI 14x2 1/2x2	482	RSI 14x3x2	506
	16'	400	406	406	RSI 16x1/2x2	431	RSI 16x3/4x2	444	RSI 16x1x2	456	RSI 16x1 1/4x2	473	RSI 16x1 1/2x2	482	RSI 16x2x2	506	RSI 16x2 1/2x2	530	RSI 16x3x2	557
	18'	450	457	456	RSI 18x1/2x2	482	RSI 18x3/4x2	495	RSI 18x1x2	506	RSI 18x1 1/4x2	521	RSI 18x1 1/2x2	530	RSI 18x2x2	557	RSI 18x2 1/2x2	582	RSI 18x3x2	608
	20'	500	508	506	RSI 20x1/2x2	530	RSI 20x3/4x2	546	RSI 20x1x2	557	RSI 20x1 1/4x2	572	RSI 20x1 1/2x2	582	RSI 20x2x2	608	RSI 20x2 1/2x2	635	RSI 20x3x2	658
	24'	600	610	608	RSI 24x1/2x2	635	RSI 24x3/4x2	648	RSI 24x1x2	658	RSI 24x1 1/4x2	674	RSI 24x1 1/2x2	686	RSI 24x2x2	710	RSI 24x2 1/2x2	735	RSI 24x3x2	760

U bolt - OUB



Characteristics

- Material: Galvanized steel (zinc plated - HDG).
- Corrosion protection via zinc coating.

Applications

- Pipes Support.
- Suitable for industrial and commercial building insulation projects.

Technical Data

Item	Ø D	Nominal diameter (W)	M	L	Load capacity
	"	(mm)	(mm)	(mm)	(KN)
OUB0012	½	21	M10	65	10
OUB0034	¾	27	M10	77	10
OUB0010	1	34	M10	85	10
OUB0114	1¼	43	M10	93	10
OUB00112	1½	48	M10	100	10
OUB0200	2	60	M10	110	10
OUB0212	2½	76	M12	127	17
OUB0300	3	89	M12	140	17
OUB0400	4	115	M12	165	17
OUB0500	5	140	M12	190	17
OUB0600	6	168	M12	220	17
OUB0800	8	219	M12	295	17
OUB1000	10	273	M12	370	17
OUB1200	12	324	M12	420	17
OUB1400	14	356	M12	455	17
OUB1600	16	406	M12	505	17
OUB1800	18	457	M12	555	17
OUB2000	20	508	M12	605	17
OUB2400	24	610	M12	710	17

Clevis Hangers— OCH



Characteristics

- Material: Galvanized steel (zinc plated - HDG).
- Durable system, capable of carrying high loads
- Corrosion protection via zinc coating.

Applications

- Capable of carrying large pipes.
- Suitable for industrial and commercial building insulation projects.

Technical Data

Item	Pipe Size	Hight (mm)	Thickness (mm)	Load capacity (Kn)
OCH0034	3/4"	22.5	2.5	4
OCH0100	1"	22.5	2.5	4
OCH0114	1 1-4"	22.5	2.5	4
OCH0112	1 1-2"	22.5	2.5	4
OCH0200	2"	22.5	2.5	4
OCH0212	2 1-2"	26	3	6.5
OCH0300	3"	26	3	6.5
OCH0400	4"	30	4	8
OCH0500	5"	32	4.5	8
OCH0600	6"	36.5	4.5	11
OCH0800	8"	42.5	4.5	11
OCH1000	10"	44.5	6	11
OCH1200	12"	50	6	15
OCH1400	14"	50	6	15
OCH1600	16"	64	6	17.5

Loop Hanger - OLP



Characteristics

- Material: Galvanized steel (zinc plated - HDG).
- Corrosion protection via zinc coating.

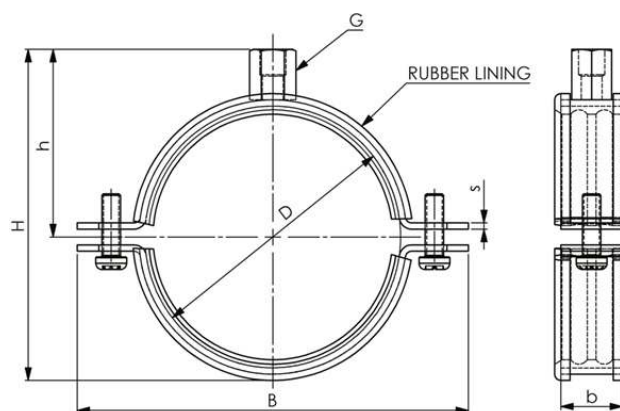
Applications

- Firefighting and pipes.
- Suitable for industrial and commercial building insulation projects.

Technical Data

Item	Pipe Size	Rod Size (mm)	h (mm)	Load capacity (Kn)
OLP0034	3/4"	M10	61	3
OLP0100	1"	M10	61	3
OLP0114	1 1/4"	M10	75	3
OLP0112	1 1/2"	M10	81	3
OLP0200	2"	M10	100	3
OLP0212	2 1/2"	M10	120	4.5
OLP0300	3"	M10	135	4.5
OLP0400	4"	M10	165	5.5
OLP0500	5"	M12	195	6.5
OLP0600	6"	M12	230	7.5
OLP0800	8"	M12	290	9
OLP1000	10"	M12	315	9

Pipe Clamp - OPC



Characteristics

- Material: Galvanized steel (zinc plated - HDG).
- Corrosion protection via zinc coating.

Applications

- Pipes Support.
- Suitable for industrial and commercial building projects.

Technical Data

Item	Pipe diameter	Nominal diameter	Range ø D	Rod Size	B	H	h	Max Rec load
	"	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(KN)
OPC015	⅜	15	15 - 19	M8/M10	60	36	26	2.2
OPC022	½	22	20 - 25	M8/M10	65	43	29	2.2
OPC028	¾	28	26 - 30	M8/M10	70	50	32	2.3
OPC035	1	35	32 - 36	M8/M10	85	56	36	2.3
OPC042	1¼	42	38 - 43	M8/M10	92	63	39	2.3
OPC048	1½	48	47 - 51	M8/M10	98	72	42	2.3
OPC054	-	54	53 - 58	M8/M10	104	75	45	2.3
OPC060	2	60	60 - 64	M8/M10	110	81	48	2.3
OPC063	-	63	63 - 66	M8/M10	115	88	51	2.3
OPC070	-	70	68 - 72	M8/M10	120	91	53	2.3
OPC075	2½	75	74 - 80	M8/M10	125	96	56	2.3
OPC083	-	83	81 - 86	M8/M10	139	108	60	2.3
OPC090	3	90	87 - 92	M8/M10	146	111	63	2.85
OPC100	3½	100	99 - 105	M8/M10	156	121	68	2.85
OPC110	-	110	107 - 112	M8/M10	166	131	73	2.85
OPC115	4	115	113 - 118	M8/M10	171	136	76	2.85
OPC125	-	125	125 - 130	M8/M10	181	146	81	2.85
OPC133	-	133	131 - 137	M8/M10	184	154	85	2.85
OPC140	5	140	138 - 142	M8/M10	196	161	88	2.9
OPC150	-	150	148 - 153	M8/M10	206	171	93	2.9
OPC160	-	160	159 - 166	M8/M10	216	181	98	2.9
OPC168	6	168	168 - 172	M8/M10	224	189	102	2.95
OPC200	-	200	200 - 212	M8/M10	256	221	118	2.95
OPC220	8	220	215 - 220	M8/M10	276	241	128	2.95
OPC250	-	250	249	M8/M10	306	271	143	2.95
OPC315	-	315	313 - 318	M8/M10	371	336	176	2.95

Saddle Pipe Support – OSPS



Characteristics

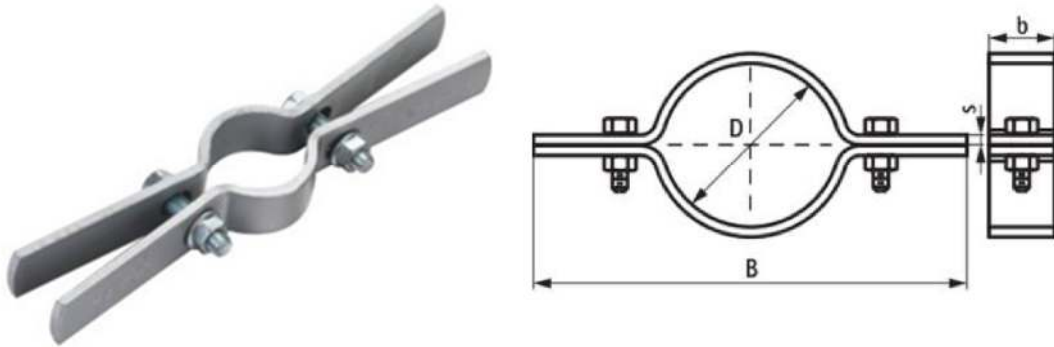
- Material: Galvanized Steel (**Zinc Plated – HDG**), Stainless Steel (**304 - 316**).
- Corrosion protection via zinc coating or stainless-steel construction.
- Durable design suitable for industrial and commercial applications.
- Designed to comply with MSS SP 58 & SP 69 standards.
- Welding is according to EN 3834-2 / ASME Section IX / AWS D1.1
- Easy adjustments can be made.

Dimensions and Load Baring Capacity

Dimensions and Load Baring Capacity				
Item Code	Pipe Size (mm)	Vertical (Kn)	Axial (Kn)	Lateral (Kn)
OSPS0050	50	1.3	1.3	0.4
OSPS0065	65	1.9	1.9	0.6
OSPS0080	80	2.5	2.5	0.8
OSPS0100	100	4	4	1.2
OSPS0125	125	6.1	6.1	1.8
OSPS0150	150	8.4	8.4	2.5
OSPS0200	200	14	14	4.2
OSPS0250	250	23.2	23.2	7
OSPS0300	300	31.4	31.4	9.4
OSPS0350	350	39.1	39.1	11.7
OSPS0400	400	51.6	51.6	15.5
OSPS0450	450	64.2	64.2	19.3
OSPS0500	500	81.3	81.3	24.9
OSPS0550	550	97.9	97.9	29.4
OSPS0600	600	117.7	117.7	35.3
OSPS0650	650	136.7	136.7	41
OSPS0700	700	157.9	157.9	47.4
OSPS0750	750	177.5	177.5	53.3
OSPS0800	800	202	202	60
OSPS0850	850	224.2	224.2	67.3
OSPS0900	900	251.8	251.8	75.6

Saddle design, dimensions, and load baring capacity are as per required design.

Riser Pipe Clamp - TMRH



Characteristics

- Material: Galvanized steel (zinc plated - HDG).
- Corrosion protection via zinc coating.
- Comply with MSS standard SP-58 type and SP-69 type 24

Applications

- Vertical Pipes Support.
- Suitable for industrial and commercial building projects.

Technical Data

Item	Pipe diameter	Nominal diameter D	Bolt	B	b x s	Max Rec load
	"	(mm)	(mm)	(mm)	(mm)	(KN)
TMRH020	½	21	M10	200	25 x 5	1.4
TMRH025	¾	27	M10	210	25 x 5	1.4
TMRH032	1	33	M10	230	25 x 5	1.4
TMRH040	1¼	42	M10	260	25 x 5	1.4
TMRH050	1½	48	M10	260	25 x 5	1.5
TMRH063	2	60	M10	260	25 x 5	1.5
TMRH075	2½	73	M12	290	25 x 6	3.8
TMRH090	3	89	M12	290	25 x 6	3.8
TMRH100	3½	102	M12	330	25 x 6	3.8
TMRH110	4	114	M12	330	25 x 6	3.8
TMRH125	5	141	M16	350	40 x 6	6.6
TMRH160	6	168	M16	380	40 x 6	6.6
TMRH200	8	219	M16	470	40 x 10	11
TMRH250	10	273	M20	520	50 x 10	12
TMRH300	12	324	M20	580	50 x 12	15
TMRH350	14	356	M20	610	50 x 12	18
TMRH400	16	406	M20	660	60 x 16	20
TMRH450	18	457	M20	710	60 x 16	20
TMRH500	20	508	M20	760	60 x 16	22
TMRH600	24	610	M20	880	60 x 16	22