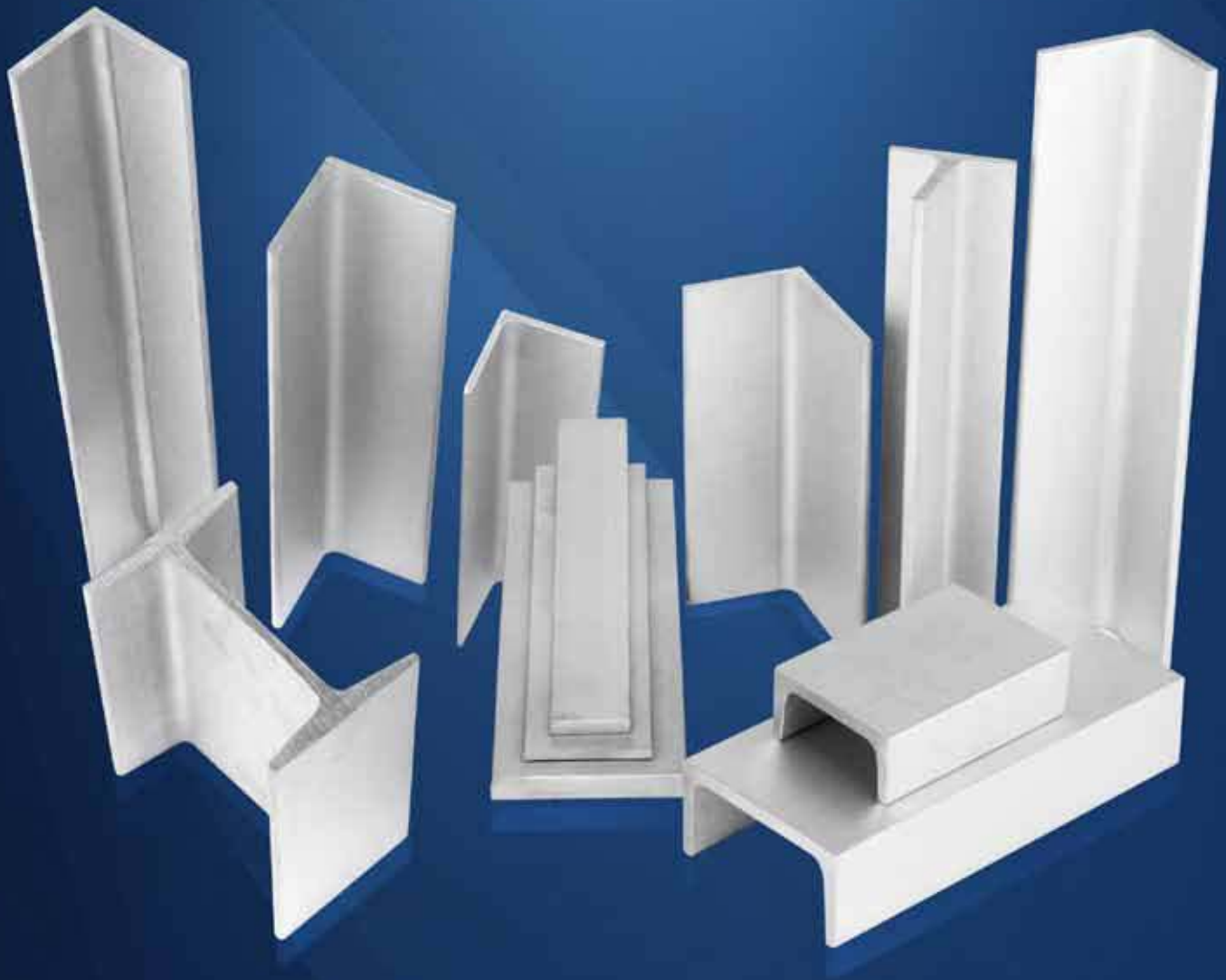




STAINLESS STEEL PROFILES



Stainless Steel Profiles

The profile division engaged in manufacturing and exporting stainless steel angles, flats, special profiles like channels (tapered and non-tapered), unequal angles and beams in an extensive size range.

This division has all in-house facilities for rolling, straightening, shot blasting, solution annealing, pickling and buffing, and a well-equipped laboratory with testing facilities to ensure high product quality. This division has got a high demand in the international market because of its superior quality products and on time delivery.



Grades:

ASTM:

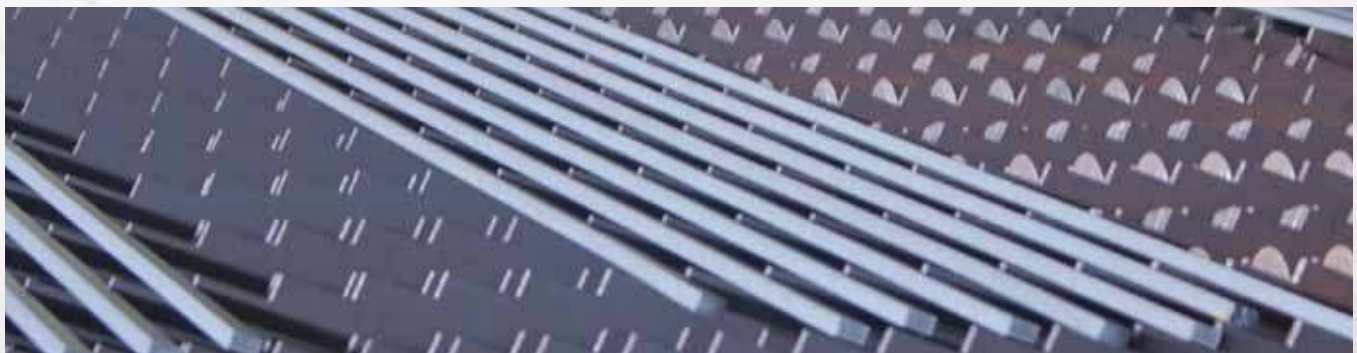
304, 304L, 304h, 303, 316, 316L, 321, 316Ti

DIN:

1.4301, 1.4307, 1.4306, 1.4841, 1.4305, 1.4401, 1.4404, 1.4541 and 1.4571

List Of Drawn Flat Bar Sizes

Sr. No.	Sizes (Inch)	Sr. No.	Sizes (mm)
1	19.05 X 6.35	1	20X 5
2	19.05 X 7.94	2	20 X 6
3	19.05 X 9.53	3	20 X 8
4	19.05 X 12.7	4	20 X 10
5	19.05 X 15.88	5	20 X 12
6	25.4 X 6.35	6	25 X 5
7	25.4 X 7.94	7	25 X 6
8	25.4 X 9.53	8	25 X 8
9	25.4 X 12.7	9	25 X 9
10	25.4 X 15.88	10	25 X 10
11	25.4 X 19.05	11	25 X 12
12	31.75 X 4.76	12	25 X 15
13	31.75 X 6.35	13	25 X 20
14	31.75 X 9.53	14	30 X 5
15	31.75 X 12.7	15	30 X 6
16	31.75 X 15.88	16	30 X 8
17	31.75 X 19.05	17	30 X 9
18	31.75 X 25.4	18	30 X 10
19	31.75 X 4.76	19	32 X 12
20	31.75 X 6.35	20	32 X 15
21	31.75 X 7.94	21	38 X 9



List Of Drawn Flat Bar Sizes

Sr. No.	Sizes (Inch)	Sr. No.	Sizes (mm)
22	38.1 X 9.53	22	38 X 12
23	38.1 X 12.7	23	38 X 15
24	38.1 X 15.88	24	40 X 5
25	38.1 X 19.05	25	40 X 6
26	38.1 X 25.4	26	40 X 8
27	38.1 X 31.75	27	40 X 9
28	44.45 X 6.35	28	40 X 10
29	44.45 X 15.88	29	40 X 12
30	44.45 X 19.05	30	40 X 15
31	44.45 X 25.4	31	40 X 20
32	44.45 X 31.75	32	50 X 5
33	50.8 X 6.35	33	50 X 6
34	50.8 X 7.94	34	50 X 8
35	50.8 X 9.53	35	50 X 9, 50 X 10
36	50.8 X 12.7	36	50 X 12
37	50.8 X 15.88	37	50 X 15
38	50.8 X 19.05	38	50 X 20
39	50.8 X 25.4	39	50 X 25
40	50.8 X 31.75	40	50 X 30
41	50.8 X 38.1	41	50 X 40
42	63.5 X 6.35	42	54 X 12
43	63.5 X 9.53	43	60 X 6
44	63.5 X 12.7	44	60 X 8
45	63.5 X 15.88	45	60 X 9
46	63.5 X 19.05	46	60 X 10
47	63.5 X 25.4	47	60 X 12
48	63.5 X 31.75	48	60 X 15
49	76.2 X 6.35	49	60 X 20, 60 X 25
50	76.2 X 9.53	50	60 X 30
51	76.2 X 12.7	51	60 X 40
52	76.2 X 15.88	52	65 X 9
53	76.2 X 19.05	53	65 X 12
54	76.2 X 25.4	54	70 X 8
55	101.6 X 6.35	55	70 X 9
56	101.6 X 9.53	56	70 X 10
57	101.6 X 12.70	57	70 X 12
58	101.6 X 9.53	58	70 X 15

List Of Drawn Flat Bar Sizes

Sr. No.	Sizes (Inch)	Sr. No.	Sizes (mm)
59	101.6 X 12.70	59	70 X 20, 70 X 25, 70 X 30
60	101.6 X 15.88	60	75 X 6
61	101.6 X 19.05	61	75 X 8
62	101.6 X 25.4	62	75 X 9
63	101.6 X 31.75	63	75 X 10
64		64	75 X 12
65		65	75 X 15, 75 X 20, 75 X 25, 75 X 30
66		66	80 X 8
67		67	80 X 10
68		68	80 X 12
69		69	80 X 15, 80 X 20, 80 X 25, 80 X 30
70		70	100 X 6
71		71	100 X 8
72		72	100 X 9
73		73	100 X 10
74		74	100 X 12
75		75	100 X 15, 100 X 20, 100 X 25, 100 X 30

Sr. No.	Equal Angle Size Range
1	19 X 19 X 3
2	19.05 X 19.05 X 3.17
3	20 X 20 X 3 / 4
4	25 X 25 X 3 / 4 / 5 / 6
5	25.4 X 25.4 X 3.17 / 4.76 / 6.35
6	30 X 30 X 3 / 4 / 5 / 6
7	31.7 X 31.7 X 3.17 / 4.76 / 6.35
8	32 X 32 X 3
9	35 X 35 X 3 / 4 / 5 / 6
10	38 X 38 X 3 / 4 / 5 / 6
11	38.1 X 38.1 X 3.17 / 4.76 / 6.35
12	40 X 40 X 3 / 4 / 4.5 / 5 / 6
13	44.45 X 44.45 X 3.17 / 4.76 / 6.35
14	45 X 45 X 3 / 4 / 5 / 6
15	50 X 50 X 3 / 4 / 4.5 / 5 / 6 / 7 / 8 / 9 / 10
16	50.8 X 50.8 X 3.17 / 4.76 / 6.35 / 7.94 / 9.53
17	60 X 60 X 5 / 6 / 7 / 8 / 10
18	63.5 X 63.5 X 4.76 / 6.35 / 7.94 / 9.53
19	65 X 65 X 5 / 6 / 7 / 8 / 9 / 10

20	70 X 70 X 5 / 6 / 7 / 8 / 9 / 10
21	75 X 75 X 5 / 6 / 7 / 8 / 9 / 10 / 12
22	76.2 X 76.2 X 4.76 / 6.35 / 7.94 / 9.53 / 12.7
23	80 X 80 X 6 / 7 / 8 / 10
24	88.9 X 88.9 X 6.35 / 7.94 / 9.53
25	90 X 90 X 6 / 8 / 9 / 10
26	100 X 100 X 6 / 7 / 8 / 9 / 10 / 12
27	101.6 X 101.6 X 6.35 / 7.94 / 9.53 / 12.7

Large Angle

28	120 X 120 X 10 / 12 / 13
29	127 X 127 X 9.53 / 12.7
30	150 X 150 X 10 / 12 / 13 / 15
31	152.4 X 152.4 X 9.53 / 12.7

Sr. No. Unequal Angle Size Range

1	50 X 30 X 5
2	60 X 30 X 5
3	60 X 40 X 5 / 6
4	75 X 50 X 6
5	80 X 40 X 6
6	100 X 50 X 6
7	120 X 80 X 8 / 10
8	130 X 65 X 8 / 10
9	50.8 X 25.4 X 6.35
10	76.2 X 38.1 X 6.35
11	76.2 X 50.8 X 4.76 / 6.35 / 9.53
12	101.6 X 76.2 X 6.35 / 9.53
13	125 X 75 X 9
14	127 X 76.2 X 6.35 / 9.53
15	150 X 100 X 10
16	152 X 76.2 X 9.53
17	152.4 X 101.6 X 9.53 / 12.7

Sr. No. Flat Size Range, Width X Thickness (mm)

1	19.05 x 3.17 / 4.76 / 6.35 / 7.94 / 9.53 / 12.7 x 15.88
2	20 x 3 / 4 / 5 / 6 / 8 / 9 / 10 / 12 / 15
3	25 x 3 / 4 / 4.5 / 5 / 6 / 8 / 9 / 10 / 12 / 15 / 20
4	25.4 X 3.17 / 4.76 / 6.35 / 7.94 / 9.53 / 12.7 / 15.88 / 19.05
5	30 X 3 / 4 / 4.5 / 5 / 6 / 8 / 9 / 10 / 12 / 15 / 16 / 20 / 22 / 25
6	31.7 X 3.17 / 4.76 / 6.35 / 7.94 / 9.53 / 12.7 / 15.88 / 19.05 / 25.4
7	32 X 4 / 4.5 / 5 / 6 / 8 / 9 / 10 / 12 / 15
8	35 X 4 / 5 / 6 / 8 / 9 / 10 / 12 / 15 / 20 / 22 / 25 / 30
9	38 X 4 / 4.5 / 5 / 6 / 9 / 12 / 15 / 19 / 20 / 25

10	38.1 X 3.17 / 4.76 / 6.35 / 7.94 / 9.53 / 11.11 / 12.7 / 15.88 / 19.05 / 25.4 / 31.75
11	40 X 3 / 4 / 4.5 / 5 / 6 / 8 / 9 / 10 / 12 / 15 / 16 / 20 / 25 / 30
12	44.45 X 4.76 / 6.35 / 7.94 / 9.53 / 12.7 / 15.88 / 19.05 / 25.4 / 31.75
13	45 X 4 / 5 / 6 / 8 / 9 / 10 / 12 / 15 / 20 / 25 / 30 / 35 / 40
14	50 X 4 / 4.5 / 5 / 6 / 8 / 9 / 10 / 12 / 14 / 15 / 16 / 19 / 20 / 25 / 30 / 35 / 40
15	50.8 X 4.76 / 6.35 / 7.94 / 9.53 / 12.7 / 15.88 / 19.05 / 25.4 / 31.75 / 38.1
16	55 X 10 / 12 / 15 / 16
17	60 X 5 / 6 / 8 / 9 / 10 / 12 / 15 / 16 / 19 / 20 / 25 / 30 / 35 / 40
18	63.5 X 6.35 / 7.94 / 9.53 / 11.11 / 12.7 / 15.88 / 19.5 / 25.4 / 31.75 / 38.1
19	65 X 5 / 6 / 8 / 9 / 10 / 12 / 15 / 16 / 20 / 25 / 30 / 35 / 40
20	70 X 5 / 6 / 8 / 9 / 10 / 12 / 15 / 20 / 25 / 30 / 35 / 40
21	75 X 5 / 6 / 7 / 8 / 9 / 10 / 12 / 15 / 16 / 19 / 20 / 25 / 30 / 35 / 40 / 50
22	76.2 X 4.76 / 6.35 / 7.94 / 9.53 / 12.7 / 15.88 / 19.05 / 25.4 / 31.75 / 38.1 / 50.8
23	80 X 5 / 6 / 8 / 9 / 10 / 12 / 15 / 20 / 25 / 30 / 35 / 40 / 50
24	88.9 / 6.35 / 9.53 / 12.7 / 15.88 / 19.05 / 25.4 / 31.75 / 38.1
25	90 X 6 / 8 / 10 / 12 / 15 / 16 / 19 / 20 / 25 / 30 / 40
26	100 X 6 / 8 / 9 / 10 / 12 / 15 / 16 / 20 / 25 / 30 / 35 / 40 / 45 / 50 / 60
27	101.6 X 6.35 / 7.94 / 9.53 / 12.7 / 15.88 / 19.05 / 25.4 / 31.75 / 38.1 / 50.8
28	110 X 10 / 15 / 20 / 25 / 30
29	120 X 8 / 10 / 12 / 15 / 16 / 20 / 25 / 30 / 40
30	125 X 9 / 10 / 12 / 15 / 20 / 25 / 30 / 40
31	127 X 9.53 / 12.7 / 15.88 / 19.5 / 25.4 / 31.75 / 38.1
32	130 X 10 / 15 / 20 / 25 / 30
33	140 X 10 / 12 / 15 / 20 / 25 / 30
34	150 X 9 / 10 / 12 / 15 / 16 / 20 / 25 / 30 / 40
35	152.4 X 9.53 / 12.7 / 15.88 / 19.5 / 25.4 / 31.75 / 38.1
36	175 X 16

List of Polish Flat Bar Sizes

Sr. No.	Sizes	Sr. No.	Size	Sr. No.	Sizes
1	20 X 5	38	50 X 10	75	75 X 20
2	20 X 6	39	50 X 12	76	75 X 25
3	20 X 8	40	50 X 15	77	75 X 30
4	20 X 10	41	50 X 16	78	80 X 5
5	20 X 12	42	50 X 20	79	80 X 6
6	20 X 15	43	50 X 25	80	80 X 8
7	25 X 5	44	50 X 30	81	80 X 10
8	25 X 6	45	50 X 32	82	80 X 15
9	25 X 8	46	50 X 40	83	80 X 20

10	25 X 10	47	54 X 12	84	80 X 25
11	25 X 12	48	60 X 5	85	80 X 30
12	25 X 15	49	60 X 6	86	100 X 6
13	30 X 5	50	60 X 8	87	100 X 8
14	30 X 6	51	60 X 10	88	100 X 10
15	30 X 8	52	60 X 12	89	100 X 12
16	30 X 9	53	60 X 15	90	100 X 15
17	30 X 10	54	60 X 20	91	100 X 20
18	30 X 12	55	60 X 30	92	100 X 25
19	30 X 15	56	60 X 40	93	100 X 30
20	30 X 20	57	65 X 9	94	120 X 8
21	32 X 12	58	65 X 12	95	120 X 10
22	32 X 15	59	65 X 15	96	120 X 12
23	38 X 9	60	70 X 6	97	120 X 15
24	38 X 12	61	70 X 8	98	120 X 20
25	38 X 15	62	70 X 9	99	120 X 25
26	40 X 4	63	70 X 10	100	120 X 30
27	40 X 5	64	70 X 12	101	127 X 9
28	40 X 6	65	70 X 15	102	127 X 12
29	40 X 8	66	70 X 20	103	150 X 9
30	40 X 10	67	70 X 25	104	150 X 10
31	40 X 12	68	70 X 30	105	150 X 12
32	40 X 15	69	75 X 6	106	150 X 15
33	40 X 20	70	75 X 8	107	150 X 20
34	40 X 30	71	75 X 9	108	150 X 25
35	50 X 5	72	75 X 10	109	150 X 30
36	50 X 6	73	75 X 12		
37	50 X 8	74	75 X 15		

Sr. No.	Channel Size Range Inch (mm)	Type
1	3" X 1.41" X 0.17" X 0.273" (76.2 X 35.81 X 4.32 X 6.93)	Taper
2	4" X 1.584" X 0.184" X 0.296" (101.6 X 40.23 X 4.67 X 7.52)	Taper
3	4" X 1.721" X 0.321" X 0.296" (101.6 X 43.71 X 8.15 X 7.52)	Taper
4	5" X 1 7/8" X 3/8" (127 X 47.625 X 9.52)	Taper
5	5" X 1.75" X 0.19" X 0.32" (127 X 44.45 X 4.83 X 8.13)	Taper
6	5" X 1.885" X 0.325" X 0.32" (127 X 47.88 X 8.26 X 8.13)	Taper
7	6" X 1.92" X 0.2" X 0.343" (152.4 X 48.77 X 5.08 X 8.71)	Taper
8	6" X 2.034" X 0.314" X 0.343" (152.4 X 51.66 X 7.98 X 8.71)	Taper
9	8" X 2.53" X 0.487" X 0.39" (203.2 X 64.26 X 12.37 X 9.90)	Taper
10	40 X 35 X 5 X 7	Taper
11	50 X 25 X 5 X 6	Taper

12	50 X 38 X 5 X 7	Taper
13	60 X 30 X 6 X 6	Taper
14	65 X 42 X 5.5 X 7.5	Taper
15	75 X 40 X 4.7 X 6.9	Taper
16	80 X 45 X 6 X 8	Taper
17	100 X 50 X 6 X 8.5	Taper
18	120 X 55 X 7 X 9	Taper
19	140 X 60 X 7 X 10	Taper
20	160 X 65 X 7.5 X 10.5	Taper
21	2" X 1" X 1/8" (50.8 X 25.4 X 3.18)	Non - Taper
22	2" X 1" X 3/16" (50.8 X 25.4 X 4.76)	Non - Taper
23	2" X 1" X 1/4" (50.8 X 25.4 X 6.35)	Non - Taper
24	3" X 1 3/8" X 3/16" (76.2 X 34.925 X 4.76)	Non - Taper
25	3" X 1 1/2" X 3/16" (76.2 X 38.1 X 4.76)	Non - Taper
26	3" X 1 1/2" X 1/4" (76.2 X 38.1 X 6.35)	Non - Taper
27	4" X 2" X 1/4" (101.6 X 50.8 X 6.35)	Non - Taper
28	4" X 1 3/4" X 1/4" (101.6 X 44.45 X 6.35)	Non - Taper
29	60 X 30 X 5 X 5	Non - Taper
30	80 X 40 X 5 X 5	Non - Taper
31	80 X 40 X 6 X 6	Non - Taper
32	100 X 50 X 5 X 5	Non - Taper
33	100 X 50 X 6 X 6	Non - Taper
34	120 X 60 X 6 X 6	Non - Taper
35	130 X 65 X 6 X 6	Non - Taper
36	150 X 75 X 6 X 6	Non - Taper
Sr. No. I (S) Beam Size Range		
1	76.2 X 59.2 X 4.3 X 6.6 (S 3)	
2	101.6 X 67.6 X 4.9 X 7.4 (S 4)	
3	127 X 76.3 X 5.4 X 8.3 (S 5 X 10)	
4	152.4 X 84.6 X 5.9 X 9.1 (S6 X 12.5)	



Testing Facilities:

- Tensile testing machine
- Hardness testing machine
- Impact testing machine
- Metallurgical microscope with image analyser
- IGC test facility
- Ultrasonic testing
- PMI test



Auto Packing:

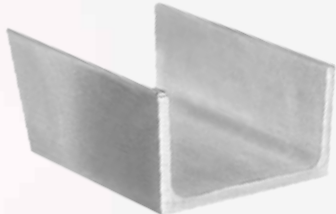
- Angle/Flats/Special profile packed in 500 to 1000 kg weight in fully automatic, auto packing bundling machine. This automatic machines carry all the bars without any manual operation from pickling line. This machine makes all the bundle in auto sequence and wrapped top & bottom by LLDPE poly film and radially wrap by another LLDPE film to make it air tight. Finally wrapped bundle strapped by metal bands at equal interval by automatic signode strapping. We provide bundle identification tag at the bundle end. The identification labels and respective grade color code at both ends.



Applications of Profiles:

- Used in the construction of buildings because of the durability
- Used in hoardings or billboards because of the strength and non-corrosive properties.
- Used in transmission and communication towers because of the strength and non-corrosive properties.
- Used in the power industries because of heat resistance.
- Used in the ship building industries because of non-corrosive properties.

Product	Technical Specification (EN Standards)	Technical Specification (ASTM Standards)
Drawn Flat Bars	EN 10278 (h11), EN 10088-3, EN 10272, AD 2000 W2/W10, EN 10088-5 (If reqd.)	ASTM A 276, ASTM A 484/484M
Polished Flat Bars	EN 10088-3, EN 10058, EN 10272, AD 2000 W2/W10, EN 10088-5 (If reqd.)	ASTM A 276, ASTM A 484/484M, ASME SA 479
Equal Angles/ Unequal Angles	EN 10088-3, EN 10056-2, EN 10272, AD 2000 W2/W10, EN 10088-5 (If reqd.)	ASTM A 276, ASTM A 484/484M, ASME SA 479
Flat	EN 10088-3, EN 10058, EN 10272, AD 2000 W2/W10, EN 10088-5 (If reqd.)	ASTM A 276, ASTM A 484/484M, ASME SA 479
Channels	EN 10088-3, EN 10279, EN 10272, AD 2000 W2/W10, EN 10088-5 (If reqd.)	ASTM A 276, ASTM A 484/484M, ASME SA 479
I-Beam	EN 10088-3, DIN 1025, EN 10272, AD 2000 W2/W10, EN 10088-5 (If reqd.)	ASTM A 276, ASTM A 6/ A 6 M, ASME SA 479

Equal & Unequal Angle		Tapered Channel
		
Non Tapered Channel	Flat	I - Beam
		

www.viraj.com

For Product Related Enquiries:
sales@viraj.com

For Media, PR & Events:
corpcomm@viraj.com

Corporate Office:

Viraj Tower, 1st Floor, Junction of Andheri Kurla Road,
Western Express Highway, Near Land Mark Building,
Andheri (East), Mumbai - 400069. India
Tel: (+91 22) 3006 4000/9
Fax: (+91 22) 3006 4050

Registered and Marketing Office:

G-34 MIDC Tarapur Industrial Area, Boisar, Dist. Palghar,
Maharashtra - 401 506, India
Tel: +91 - 904 999 1021-28
Fax: +91(2525) 260 159 / 274 420