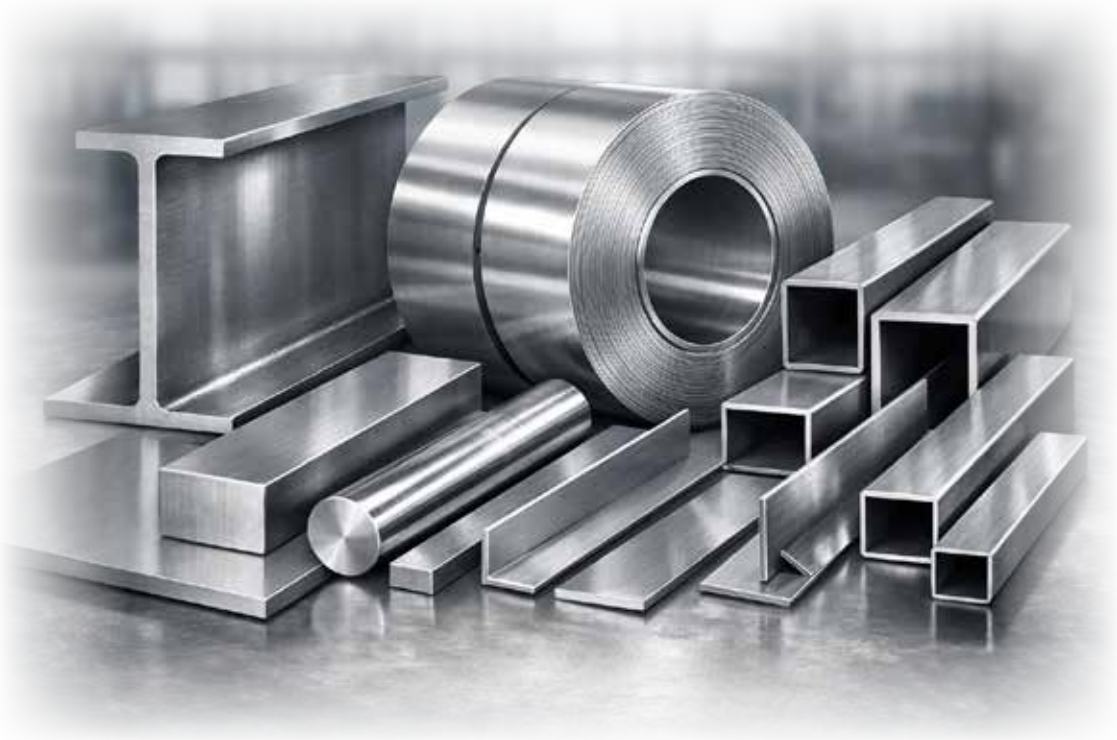
DOVAL STEEL GROUP

HEBRINOX® PIPE, FITTING AND VALVES

INDUSTRIAL STEEL



Contents

Stainless Steel Plate 3

Stainless Steel Coil/Strip 4

Surface Treatment 5

High-End Stainless Materials 6

Stainless Steel H and I Beams Specifications 7

Type H Beam 8

Type I Beam 12

Stainless Steel Channel Beam Specifications 16

Type Channel Beam 17

Stainless Steel Angle Bar Specifications 18

Type Equal Angle Bar 19

Type Unequal Angle Bar 20

Stainless Steel Round, Square and Rectangle Bars Specifications 21

Stainless Steel Wire Specifications 22

Type Wire 23

Stainless Steel Plate



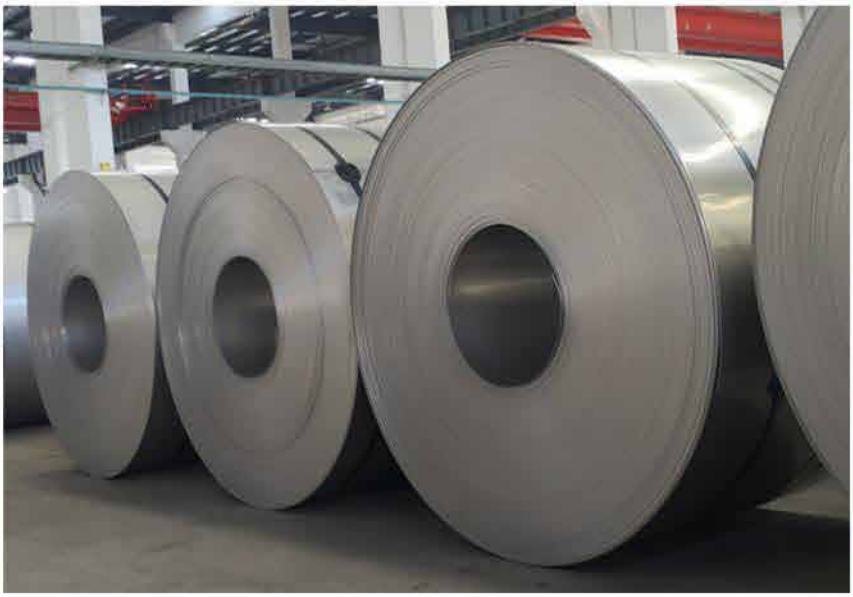




Material	Mainly201,202,304,304L,304H,316,316L,316Ti,2205,330,630,660,409L, 321,310S,410,416,410S,430,347H,2Cr13,3Cr13,etc 300series:301,302 303,304,304L,309,309s,310,310S,316,316L,316Ti,317L, 321,347 200series:201,202,202cu,204 400series:409,409L,410,420,430,431,439,440,441,444 Others:2205,2507,2906,330,660,630,631,17-4ph,17-7ph,S318039,904L,etc Duplex stainless steel:S22053,S25073,S22253,S31803,S32205,S32304 Special Stainless Steel:904L,347/347H,317/317L,316Ti,254Mo
Technology	Cold Rolled Hot Rolled
Length	100-12000 mm or as customer' s requirement
Width	100-2000 mm
Thickness	Cold Roll:0.1-3 mm Hot Roll:3-16mm 16-100mm
Surface	BA, 2B,2D,4K 6K,8K, NO.4, HL, SB,Embossed
Other Choices	Leveling:improve flatness, esp. for items with high flatness request Skin-Pass: improve flatness, higher brightness Cutting:Laser cutting, help the customer to cut the required size
Protection	1. Inter paper available 2. PVC protecting film available

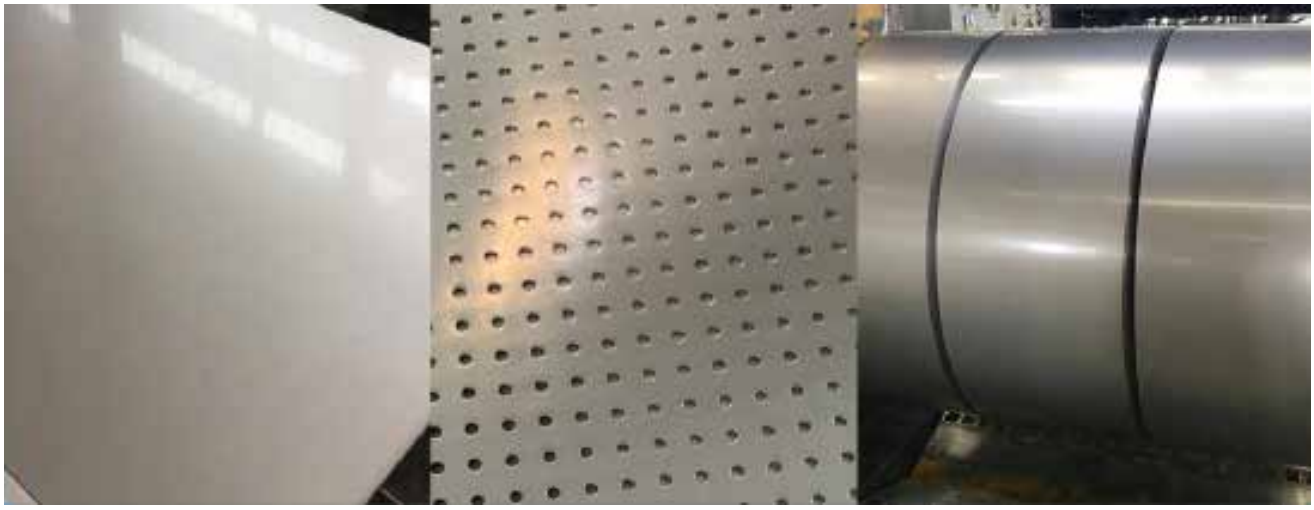
Stainless Steel Coil/Strip

Material	Mainly201,202,304,304L,304H,316,316L,316Ti,2205,330,630,660,409L, 321,310S,410,416,410S,430,347H,2Cr13,3Cr13,etc 300series:301,302 303,304,304L,309,309s,310,310S,316,316L,316Ti,317L, 321,347 200series:201.202,202cu,204 400series:409,409L,410,420,430,431,439,440,441,444 Others:2205,2507,2906,330,660,630,631,17-4ph,17-7ph,S318039,904L,etc Duplex stainless steel:S22053,S25073,S22253,S31803,S32205,S32304 Special Stainless Steel:904L,347/347H,317/317L,316Ti,254Mo
Technology	Cold Rolled Hot Rolled
Length	1000-11000 mm or as customer' s requirement
Width	100-2000 mm
Thickness	Cold Rolled:0.15mm-10mm Hot Rolled:3.0mm-180mm
Surface	BA, 2B,2D,4K 6K,8K, NO.4, HL, SB,Embossed
Other Choices	Leveling:improve flatness, esp. for items with high flatness request Skin-Pass: improve flatness, higher brightness Cutting:Laser cutting, help the customer to cut the required size
Protection	1. Inter paper available 2. PVC protecting film available





Surface Treatment



Surface	Characteristic	Processing Technology
N0.1	Original	Pickled after hot rolling
2D	Blunt	Hot rolling + annealing shot peening pickling + cold rolling + annealing pickling
2B	Blurred	Hot rolling + annealing shot peening pickling + cold rolling + annealing pickling + tempering rolling
N0.3	Matte	Polishing and tempering rolling with 100-120 mesh abrasive materials
N0.4	Matte	Polishing and tempering rolling with 150-180 mesh abrasive material
NO.240	Matte	Polishing and tempering rolling with 240 mesh abrasive materials
NO.320	Matte	Polishing and tempering rolling with 320 mesh abrasive materials
NO.400	Matte	Polishing and tempering rolling with 400 mesh abrasive materials
HL	Brushed	Grind the surface of the steel belt with an appropriate grinding grain size to make it show a certain longitudinal texture
BA	Bright	The surface is annealed and shows high reflectivity
6K	Mirror	Rough grinding and polishing
8K	Mirror	Fine grinding and polishing

High-End Stainless Materials

Ni Cr Fe Co Mo Cu Alloy

Inconel600、Inconel601、Inconel602CA、Inconel617、Inconel625、Inconel690、
InconelX-750、Inconel713、Inconel718...
N07750、N07725、N07718、N06690、N06686、N06625、N06617、N06601、
N06600、N06025...
Incoloy20、Incoloy28、Incoloy330、Incoloy800/800H/800HT、Incoloy801、
Incoloy840、Incoloy901、Incoloy956MA...
N09925、N09902、N08825、N08810、N08801、N06985...

Monel

Monel400、Monel401、Monel405、MonelK-500...

Hastelloy

Hastelloy C-276、C-2000、B-3、Haynes188、HaynesHR-120、HaynesHR-160、Haynes214、
Haynes230、HaynesR-41、Haynes...

Duplex stainless steel

2507 (S32750)、2205 (S32550) 、1.4462、1.4501、1.4410、
022Cr25Ni7Mo4WCuN、F51F53F60

Precipitation-hardening steels

17-4PH、17-7PH、15-5PH、13-8PH、SUS630、SUS631、S17400、S17700、
S15500、1.4542、1.4568、XM-12、XM-13、X5CrNiCuNb17

More>>> Ti Alloy/Zr Alloy/Co Alloy/Al Alloy

Invar36、4J36、RA330、Waspaloy、254SMo、253MA、Nimonic80A、NiTialloy、
L605、MULTIMET

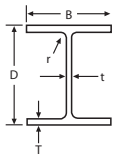
Stainless Steel H and I Beams Specifications

Standard	BS 1387,GB 3091,ASTM A53, JIS G3444, DIN2444
Materia	Mainly201,202,304,304L,304H,316,316L,316Ti,2205,330,630,660,409L,321, 310S,410,416,410S,430,347H,2Cr13,3Cr13,etc
	300series:301,302,303,304,304L309,309s,310,310S,316,316L,316Ti317L,321,347
	200series:201,202,202cu,204
	400series:409,409L,410,420,430,431,439,440,441,444
	Others:2205,2507,2906,330,660,630,631,17-4ph,17-7ph,S318039,904L,etc
	Duplex stainless steel:S22053,S25073,S22253,S31803,S32205,S32304
	Special Stainless Steel:904L,347/347H,317/317L,316Ti,254Mo
Technology	Hot-rolled and High frequency welded
Length	5-12m or customized
Flange Width	100mm-300mm or customized
Flange Thickness	6-28mm or customized
Web Thickness	5-16mm or customized
Height	100-900mm or customized
Shape	H/I
Surface	Bright, Polished
Application	Mechanical & Manufacture, Steel strcuture, Shipbuilding, Bridging Automobile Chassis, etc



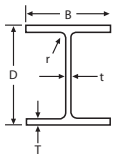


Type H Beam



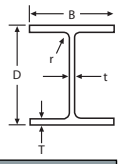
Section Size	Unit Weignt		Section Area		Section Depth		Flange Width		Flange Thickness		Web Thickness		Corner Radius	
	M		A		D		B		T		t		r	
in (mm)	lb/ft	kg/m	in^2	cm^2	in	mm	in	mm	in	mm	in	mm	in	mm
W4 4 x 4	13.0	19.35	3.83	24.71	4.16	105.7	4.060	103.12	0.345	8.76	0.280	7.11	0.25	6.35
(102 x 102)	13.8	21.00	4.04	26.10	4.00	102.0	4.000	102.00	0.370	9.40	0.315	8.00	0.24	6
	16.3	24.00	4.79	30.90	4.21	107.0	3.937	100.00	0.472	12.00	0.311	7.90	0.24	6
W5 5 x 3 (127 x 76)	9.0	13.00	2.60	16.80	5.00	127.0	3.000	76.20	0.299	7.59	0.165	4.19	0.25	6.35
W5 5 x 5	16.0	23.81	4.71	30.39	5.01	127.3	5.000	127.00	0.360	9.14	0.240	6.10	0.30	7.62
(127 x 127)	19.0	28.28	5.56	35.87	5.15	130.8	5.030	127.76	0.430	10.92	0.270	6.86	0.30	7.62
W6 6 x 3	9.0	14.00	2.76	17.80	5.90	150.0	2.953	75.00	0.276	7.00	0.197	5.00	0.31	8
(152 x 76)	12.0	18.00	3.35	21.60	6.10	155.0	2.953	75.00	0.335	8.50	0.236	6.00	0.31	8
W6 6 x 3½ (152 x 89)	11.0	16.00	3.18	20.50	6.00	152.4	3.500	88.90	0.303	7.70	0.181	4.60	0.25	6.35
W6 6 x 4	9.0	13.39	2.68	17.29	5.90	149.9	3.940	100.08	0.215	5.46	0.170	4.32	0.25	6.35
(152 x 102)	12.0	17.86	3.55	22.90	6.03	153.2	4.000	101.60	0.280	7.11	0.230	5.84	0.25	6.35
	16.0	23.81	4.74	30.58	6.28	159.5	4.030	102.36	0.405	10.29	0.260	6.60	0.25	6.35
W6 6 x 6	15.0	22.50	4.43	28.58	5.99	152.1	5.990	152.15	0.260	6.60	0.230	5.84	0.25	6.35
(152 x 152)	15.7	23.00	4.62	29.80	6.00	152.4	6.000	152.40	0.269	6.83	0.240	6.10	0.25	6.35
	20.0	30.00	5.87	37.87	6.20	157.5	6.020	152.91	0.365	9.27	0.260	6.60	0.25	6.35
	25.0	37.20	7.34	47.35	6.38	162.1	6.080	154.43	0.455	11.56	0.320	8.13	0.25	6.35
W7 7 x 3½	11.0	16.10	3.16	20.40	6.81	173.0	3.543	90.00	0.276	7.00	0.177	4.50	0.35	8.9
(178 x 89)	12.0	18.10	3.57	23.00	6.89	175.0	3.543	90.00	0.315	8.00	0.197	5.00	0.35	8.9
	15.0	22.20	4.37	28.20	7.05	179.0	3.543	90.00	0.394	10.00	0.236	6.00	0.35	8.9
W7 7 x 4 (178 x 102)	13.0	19.00	3.75	24.20	7.00	177.8	4.000	101.60	0.311	7.90	0.185	4.70	0.30	7.62
W8 8 x 4	10.0	14.88	2.96	19.10	7.89	200.4	3.940	100.08	0.205	5.21	0.170	4.32	0.30	7.62
(203 x 102)	13.0	19.35	3.84	24.77	7.99	202.9	4.000	101.60	0.255	6.48	0.230	5.84	0.30	7.62
	15.0	22.32	4.44	28.65	8.11	206.0	4.015	101.98	0.315	8.00	0.245	6.22	0.30	7.62
	15.5	23.00	4.50	29.00	8.00	203.2	4.000	101.60	0.368	9.35	0.205	5.21	0.30	7.62
W8 8 x 5¼	14.0	21.00	4.20	27.10	8.00	203.0	5.236	133.00	0.252	6.40	0.197	5.00	0.31	8
(203 x 133)	15.0	22.30	4.45	28.70	7.95	202.0	5.236	133.00	0.276	7.00	0.197	5.00	0.35	8.9
	17.0	25.30	5.01	32.30	8.00	203.2	5.250	133.35	0.308	7.82	0.230	5.84	0.30	7.62
	18.0	26.79	5.26	33.94	8.14	206.8	5.250	133.35	0.330	8.38	0.230	5.84	0.30	7.62
	20.0	30.00	5.89	38.00	8.14	206.8	5.268	133.81	0.378	9.60	0.248	6.30	0.30	7.62
	21.0	31.30	6.16	39.74	8.28	210.3	5.270	133.86	0.400	10.16	0.250	6.35	0.30	7.62
W8 8 x 6½	24.0	35.72	7.08	45.68	7.93	201.4	6.495	164.97	0.400	10.16	0.245	6.22	0.40	10.16
(203 x 165)	28.0	41.67	8.25	53.23	8.06	204.7	6.535	165.99	0.465	11.81	0.285	7.24	0.40	10.16
W8 8 x 8	31.0	46.13	9.12	58.84	8.00	203.2	7.995	203.07	0.435	11.05	0.285	7.24	0.40	10.16
(203 x 203)	35.0	52.09	10.30	66.45	8.12	206.2	8.020	203.71	0.495	12.57	0.310	7.87	0.40	10.16
	40.0	60.00	11.70	75.48	8.25	209.6	8.070	204.98	0.560	14.22	0.360	9.14	0.40	10.16
	48.0	71.43	14.10	90.97	8.50	215.9	8.110	205.99	0.685	17.40	0.400	10.16	0.40	10.16
	58.0	86.31	17.10	110.30	8.75	222.3	8.220	208.79	0.810	20.57	0.510	12.95	0.40	10.16
	67.0	100.00	19.70	127.10	9.00	228.6	8.280	210.31	0.935	23.75	0.570	14.48	0.40	10.16
W10 10 x 4	12.0	17.86	3.54	22.84	9.87	250.7	3.960	100.58	0.210	5.33	0.190	4.83	0.30	7.62
(254 x 102)	15.0	22.32	4.41	28.45	9.99	253.7	4.000	101.60	0.270	6.86	0.230	5.84	0.30	7.62
	17.0	25.30	4.99	32.19	10.11	256.8	4.010	101.85	0.330	8.38	0.240	6.10	0.30	7.62
	19.0	28.28	5.62	36.26	10.24	260.1	4.020	102.11	0.395	10.03	0.250	6.35	0.30	7.62
W10 10 x 5¾	16.0	24.00	4.82	31.10	9.96	253.0	5.708	145.00	0.252	6.40	0.197	5.00	0.30	7.62
(254 x 146)	21.0	31.25	6.20	40.00	9.90	251.5	5.750	146.05	0.340	8.64	0.240	6.10	0.30	7.62
	22.0	32.74	6.49	41.87	10.17	258.3	5.750	146.05	0.360	9.14	0.240	6.10	0.30	7.62
	25.0	37.20	7.36	47.50	10.08	256.0	5.762	146.35	0.430	10.92	0.252	6.40	0.30	7.62
	26.0	38.69	7.61	49.10	10.33	262.4	5.770	146.56	0.440	11.18	0.260	6.60	0.30	7.62
	29.0	43.00	8.54	55.10	10.22	259.6	5.799	147.29	0.500	12.70	0.289	7.34	0.30	7.62
	30.0	44.80	8.85	57.10	10.47	265.9	5.819	147.80	0.510	12.95	0.300	7.62	0.30	7.62

Type H Beam



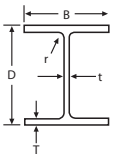
Section Size	Unit Weignt		Section Area		Section Depth		Flange Width		Flange Thickness		Web Thickness		Corner Radius	
	M		A		D		B		T		t		r	
in (mm)	lb/ft	kg/m	in^2	cm^2	in	mm	in	mm	in	mm	in	mm	in	mm
W10 10 x 8 (254 x 203)	33.00	49.11	9.71	62.64	9.73	247.14	7.96	202.18	0.44	11.05	0.29	7.37	0.50	12.70
	39.00	58.04	11.50	74.19	9.92	251.97	7.99	202.82	0.53	13.46	0.32	8.00	0.50	12.70
	42.00	62.50	12.29	79.30	9.82	249.40	8.15	207.00	0.48	12.20	0.48	12.20	0.50	12.70
	45.00	66.97	13.30	85.81	10.10	256.54	8.02	203.71	0.62	15.75	0.35	8.89	0.50	12.70
	57.00	84.80	16.74	108.00	10.16	258.10	8.32	211.30	0.65	16.50	0.65	16.50	0.50	12.70
W10 10 x 10 (254 x 254)	49.00	73.00	14.40	92.90	9.98	253.49	10.00	254.00	0.56	14.22	0.34	8.64	0.50	12.70
	54.00	80.36	15.80	101.90	10.09	256.29	10.03	254.76	0.62	15.62	0.37	9.40	0.50	12.70
	60.00	89.29	17.60	113.50	10.22	259.59	10.08	256.03	0.68	17.27	0.42	10.67	0.50	12.70
	68.00	101.20	20.00	129.00	10.40	264.16	10.13	257.30	0.77	19.56	0.47	11.94	0.50	12.70
	72.00	107.00	21.20	136.60	10.50	266.70	10.17	258.32	0.81	20.52	0.51	12.95	0.50	12.70
	77.00	115.00	22.60	145.80	10.60	269.24	10.19	258.83	0.87	22.10	0.53	13.46	0.50	12.70
	88.00	131.00	25.90	167.10	10.84	275.34	10.27	260.73	0.99	25.15	0.61	15.37	0.50	12.70
	89.00	132.00	26.20	168.90	10.88	276.35	10.28	260.99	1.00	25.35	0.62	15.62	0.50	12.70
	100.00	149.00	29.40	189.70	11.11	282.19	10.34	262.64	1.12	28.45	0.68	17.27	0.50	12.70
	112.00	167.00	32.90	212.30	11.36	288.54	10.42	264.54	1.25	31.75	0.76	19.18	0.50	12.70
W12 12 x 4 (305 x 102)	14.00	20.83	4.16	26.84	11.91	302.51	3.97	100.84	0.23	5.72	0.20	5.08	0.30	7.62
	16.00	23.81	4.71	30.39	11.99	304.55	3.99	101.35	0.27	6.73	0.22	5.59	0.30	7.62
	16.50	25.00	4.87	31.40	12.00	304.80	4.00	101.60	0.27	6.83	0.23	5.84	0.30	7.62
	19.00	28.28	5.57	35.94	12.16	308.86	4.01	101.73	0.35	8.89	0.24	5.97	0.30	7.62
	22.00	33.00	6.48	41.81	12.31	312.67	4.03	102.36	0.43	10.80	0.26	6.60	0.30	7.62
W12 12 x 5 (305 x 127)	25.00	37.00	7.36	47.50	11.96	303.78	4.86	123.55	0.42	10.69	0.28	7.21	0.30	8.90
	28.00	42.00	8.25	53.20	12.07	306.58	4.89	124.28	0.48	12.09	0.31	7.95	0.30	8.90
	32.00	48.00	9.42	60.80	12.22	310.39	4.93	125.22	0.55	14.00	0.35	8.89	0.30	8.90
W12 12 x 6½ (305 x 165)	21.00	31.00	6.11	39.40	12.05	306.00	6.46	164.00	0.29	7.40	0.20	5.00	0.30	7.62
	26.00	38.70	7.65	49.35	12.22	310.39	6.49	164.85	0.38	9.65	0.23	5.84	0.30	7.62
	27.00	40.00	7.98	51.50	11.96	303.78	6.50	165.10	0.40	10.16	0.24	6.10	0.30	8.90
	30.00	44.64	8.79	56.71	12.34	313.44	6.52	165.61	0.44	11.18	0.26	6.60	0.30	7.62
	31.00	46.00	9.13	58.90	12.09	307.09	6.53	165.74	0.47	11.81	0.27	6.73	0.30	8.90
	35.00	52.09	10.30	66.45	12.50	317.50	6.56	166.62	0.52	13.21	0.30	7.62	0.30	7.62
	36.00	54.00	10.60	68.40	12.24	310.90	6.57	166.75	0.54	13.72	0.31	7.75	0.30	8.90
W12 12 x 8 (305 x 203)	40.00	59.53	11.80	76.13	11.94	303.28	8.01	203.33	0.52	13.08	0.30	7.49	0.60	15.24
	45.00	66.97	13.20	85.16	12.06	306.32	8.05	204.34	0.58	14.61	0.34	8.51	0.60	15.24
	50.00	74.41	14.70	94.84	12.19	309.63	8.08	205.23	0.64	16.26	0.37	9.40	0.60	15.24
W12 12 x 10 (305 x 254)	53.00	78.87	15.60	100.60	12.06	306.32	10.00	253.87	0.58	14.61	0.35	8.76	0.60	15.24
	58.00	86.31	17.00	109.70	12.19	309.63	10.01	254.25	0.64	16.26	0.36	9.14	0.60	15.24
W12 12 x 12 (305 x 305)	65.00	97.00	19.10	123.20	12.12	307.85	12.00	304.80	0.61	15.37	0.39	9.91	0.60	15.24
	72.00	107.10	21.10	136.10	12.25	311.15	12.04	305.82	0.67	17.02	0.43	10.92	0.60	15.24
	79.00	118.00	23.20	149.70	12.38	314.45	12.08	306.83	0.74	18.67	0.47	11.94	0.60	15.24
	87.00	129.50	25.60	165.20	12.53	318.26	12.13	307.98	0.81	20.57	0.52	13.08	0.60	15.24
	92.00	137.00	27.10	174.60	12.62	320.55	12.16	308.74	0.86	21.74	0.55	13.84	0.60	15.24
	96.00	143.00	28.20	182.00	12.71	322.83	12.16	308.86	0.90	22.86	0.55	13.97	0.60	15.24
	106.00	158.00	31.20	201.30	12.89	327.41	12.22	310.39	0.99	25.15	0.61	15.49	0.60	15.24
	120.00	179.00	35.30	227.70	13.12	333.25	12.32	312.93	1.10	27.94	0.71	18.03	0.60	15.24
	133.00	198.00	39.10	252.30	13.38	339.85	12.37	314.07	1.24	31.39	0.76	19.18	0.60	15.24
	136.00	202.40	39.90	257.40	13.41	340.61	12.40	314.96	1.25	31.75	0.79	20.07	0.60	15.24
	152.00	226.20	44.70	288.40	13.71	348.23	12.48	316.99	1.40	35.56	0.87	22.10	0.60	15.24
	161.00	240.00	47.40	305.60	13.88	352.55	12.52	317.88	1.49	37.74	0.91	22.99	0.60	15.24
	170.00	253.00	50.00	322.60	14.03	356.36	12.57	319.28	1.56	39.62	0.96	24.38	0.60	15.24
	190.00	283.00	55.80	360.00	14.38	365.25	12.67	321.82	1.74	44.07	1.06	26.92	0.60	15.24
	210.00	312.50	61.80	398.70	14.71	373.63	12.79	324.87	1.90	48.26	1.18	29.97	0.60	15.24
	230.00	342.30	67.70	436.80	15.05	382.27	12.90	327.53	2.07	52.58	1.29	32.64	0.60	15.24
	252.00	375.00	74.00	477.40	15.41	391.41	13.01	330.33	2.25	57.15	1.40	35.43	0.60	15.24
	278.00	413.70	81.90	528.40	15.85	402.59	13.14	333.76	2.47	62.74	1.53	38.86	0.60	15.24
	279.00	415.00	81.84	528.00	15.85	402.60	13.14	333.76	2.47	62.74	1.53	38.86	0.60	15.24
	305.00	453.90	89.60	578.10	16.32	414.53	13.24	336.17	2.71	68.71	1.63	41.28	0.60	15.24
	336.00	500.00	98.80	637.40	16.82	427.23	13.39	339.98	2.96	75.06	1.78	45.09	0.60	15.24

Type H Beam



Section Size	Unit Weignt		Section Area		Section Depth		Flange Width		Flange Thickness		Web Thickness		Corner Radius	
	M		A		D		B		T		t		r	
in (mm)	lb/ft	kg/m	in^2	cm^2	in	mm	in	mm	in	mm	in	mm	in	mm
W14 14 x 5	22.00	33.00	6.49	41.87	13.74	349.00	5.00	127.00	0.34	8.51	0.23	5.84	0.40	10.16
(356 x 127)	26.00	39.00	7.69	49.61	13.91	353.31	5.03	127.64	0.42	10.67	0.26	6.48	0.40	10.16
W14 14 x 6¾	30.00	45.00	8.85	57.10	13.84	351.54	6.73	170.94	0.39	9.78	0.27	6.86	0.40	10.16
(356 x 171)	34.00	51.00	10.00	64.52	13.98	355.09	6.75	171.32	0.46	11.56	0.29	7.24	0.40	10.16
	38.00	57.00	11.20	72.26	14.10	358.14	6.77	171.96	0.52	13.08	0.31	7.87	0.40	10.16
	45.00	67.00	13.20	85.40	14.33	363.98	6.82	173.23	0.62	15.70	0.36	9.07	0.40	10.16
W14 14 x 8	43.00	63.99	12.60	81.29	13.66	346.96	8.00	203.07	0.53	13.46	0.31	7.75	0.60	15.24
(356 x 203)	48.00	71.43	14.10	90.97	13.79	350.27	8.03	203.96	0.60	15.11	0.34	8.64	0.60	15.24
	53.00	78.87	15.60	100.60	13.92	353.57	8.06	204.72	0.66	16.76	0.37	9.40	0.60	15.24
W14 14 x 10	61.00	90.78	17.90	115.50	13.89	352.81	10.00	253.87	0.65	16.38	0.38	9.53	0.60	15.24
(356 x 254)	68.00	101.20	20.00	129.00	14.04	356.62	10.04	254.89	0.72	18.36	0.42	10.54	0.60	15.24
	74.00	110.10	21.80	140.60	14.17	359.92	10.07	255.78	0.79	19.94	0.45	11.43	0.60	15.24
	82.00	122.00	24.10	155.50	14.31	363.47	10.13	257.30	0.86	21.72	0.51	12.95	0.60	15.24
W14 14 x 14½	87.00	129.00	25.60	164.90	14.00	355.60	14.50	368.30	0.69	17.48	0.42	10.67	0.60	15.24
(356 x 368)	90.00	134.00	26.50	171.00	14.02	356.11	14.52	368.81	0.71	18.03	0.44	11.18	0.60	15.24
	99.00	147.30	29.10	187.70	14.16	359.66	14.57	369.95	0.78	19.81	0.49	12.32	0.60	15.24
	103.00	153.00	30.30	195.20	14.25	361.95	14.58	370.21	0.81	20.65	0.50	12.57	0.60	15.24
	109.00	162.20	32.00	206.50	14.32	363.73	14.61	370.97	0.86	21.84	0.53	13.34	0.60	15.24
	119.00	177.00	35.00	225.70	14.50	368.30	14.65	372.11	0.94	23.83	0.57	14.48	0.60	15.24
	120.00	179.00	35.30	227.70	14.48	367.79	14.67	372.62	0.94	23.88	0.59	14.99	0.60	15.24
	132.00	196.40	38.80	250.30	14.66	372.36	14.73	374.02	1.03	26.16	0.65	16.38	0.60	15.24
	136.00	202.00	40.00	257.90	14.75	374.65	14.74	374.40	1.06	27.00	0.66	16.76	0.60	15.24
W14 14 x 16	118.00	175.60	44.95	224.00	14.17	360.00	15.59	396.00	0.79	20.00	0.79	20.00	0.59	15.00
(356 x 406)	145.00	216.00	42.70	275.50	14.78	375.41	15.50	393.70	1.09	27.69	0.68	17.27	0.60	15.24
	158.00	235.00	46.50	299.80	15.00	381.00	15.55	394.97	1.19	30.18	0.73	18.54	0.60	15.24
	159.00	237.00	46.70	301.30	14.98	380.49	15.57	395.35	1.19	30.23	0.75	18.92	0.60	15.24
	176.00	262.00	51.80	334.20	15.22	386.59	15.65	397.51	1.31	33.27	0.83	21.08	0.60	15.24
	193.00	287.20	56.80	366.40	15.48	393.19	15.71	399.03	1.44	36.58	0.89	22.61	0.60	15.24
	211.00	314.00	62.00	400.00	15.72	399.29	15.80	401.32	1.56	39.62	0.98	24.89	0.60	15.24
	219.00	326.00	64.33	415.00	15.87	403.10	15.83	402.00	1.62	41.20	1.00	25.50	0.60	15.24
	228.00	340.00	67.10	432.70	16.00	406.40	15.87	402.97	1.69	42.88	1.05	26.54	0.60	15.24
	233.00	347.00	68.50	441.90	16.04	407.42	15.89	403.61	1.72	43.69	1.07	27.18	0.60	15.24
	257.00	382.50	75.60	487.70	16.38	416.05	16.00	406.27	1.89	48.01	1.18	29.85	0.60	15.24
	264.00	393.00	77.60	500.90	16.50	419.10	16.03	407.04	1.94	49.23	1.21	30.61	0.60	15.24
	283.00	421.10	83.30	537.40	16.74	425.20	16.11	409.19	2.07	52.58	1.29	32.77	0.60	15.24
	311.00	463.00	91.40	598.70	17.12	434.85	16.23	412.24	2.26	57.40	1.41	35.81	0.60	15.24
	314.00	467.00	92.30	595.50	17.19	436.63	16.24	412.37	2.28	57.99	1.42	35.94	0.60	15.24
	342.00	509.00	101.00	651.60	17.54	445.52	16.36	415.54	2.47	62.74	1.54	39.12	0.60	15.24
	370.00	551.00	109.00	703.20	17.92	455.17	16.48	418.47	2.66	67.56	1.66	42.04	0.60	15.24
	398.00	592.30	117.00	754.80	18.29	464.57	16.59	421.39	2.85	72.26	1.77	44.96	0.60	15.24
	426.00	634.00	125.00	806.40	18.67	474.22	16.70	424.05	3.04	77.09	1.88	47.63	0.60	15.24
	455.00	677.10	134.00	864.50	19.02	483.11	16.84	427.61	3.21	81.53	2.02	51.18	0.60	15.24
	500.00	744.10	147.00	948.40	19.60	497.84	17.01	432.05	3.50	88.90	2.19	55.63	0.60	15.24
	550.00	818.50	162.00	1,045.00	20.24	514.10	17.20	436.88	3.82	97.03	2.38	60.45	0.60	15.24
	605.00	900.30	178.00	1,148.00	20.92	531.37	17.42	442.34	4.16	105.66	2.60	65.91	0.60	15.24
	665.00	989.60	196.00	1,265.00	21.64	549.66	17.65	448.31	4.52	114.81	2.83	71.88	0.60	15.24
	730.00	1,086.00	215.00	1,387.00	22.42	569.47	17.89	454.41	4.91	124.71	3.07	77.98	0.60	15.24
W16 16 x 5½	26.00	39.00	7.68	49.55	15.69	398.53	5.50	139.70	0.35	8.76	0.25	6.35	0.40	10.16
(406 x 140)	31.00	46.13	9.12	58.84	15.88	403.35	5.53	140.34	0.44	11.18	0.28	6.99	0.40	10.16
W16 16 x 7	36.00	54.00	10.60	68.39	15.86	402.84	6.99	177.42	0.43	10.92	0.30	7.49	0.40	10.16
(406 x 178)	40.00	60.00	11.80	76.13	16.01	406.65	7.00	177.67	0.51	12.83	0.31	7.75	0.40	10.16
	45.00	67.00	13.30	85.81	16.13	409.70	7.04	178.69	0.57	14.35	0.35	8.76	0.40	10.16
	50.00	74.41	14.70	94.84	16.26	413.00	7.07	179.58	0.63	16.00	0.38	9.65	0.40	10.16
	57.00	85.00	16.80	108.40	16.43	417.32	7.12	180.85	0.72	18.16	0.43	10.92	0.40	10.16

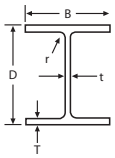
Type H Beam



Section Size	Unit Weignt		Section Area		Section Depth		Flange Width		Flange Thickness		Web Thickness		Corner Radius	
	M		A		D		B		T		t		r	
in (mm)	lb/ft	kg/m	in^2	cm^2	in	mm	in	mm	in	mm	in	mm	in	mm
W16 16 x 10¼ (406 x 260)	67.00	99.71	19.70	127.10	16.33	414.78	10.24	259.97	0.67	16.89	0.40	10.03	0.40	10.16
	77.00	114.60	22.60	145.80	16.52	419.61	10.30	261.49	0.76	19.30	0.46	11.56	0.40	10.16
	89.00	132.40	26.20	169.00	16.75	425.45	10.37	263.27	0.88	22.23	0.53	13.34	0.40	10.16
	100.00	148.80	29.40	189.70	16.97	431.04	10.43	264.80	0.99	25.02	0.59	14.86	0.40	10.16
W18 18 x 6 (457 x 152)	35.00	52.09	10.30	66.45	17.70	449.58	6.00	152.40	0.43	10.80	0.30	7.62	0.40	10.16
	40.00	60.00	11.80	76.13	17.90	454.66	6.02	152.78	0.53	13.34	0.32	8.00	0.40	10.16
	45.00	67.00	13.20	85.40	18.00	457.20	5.98	151.94	0.59	14.96	0.36	9.14	0.40	10.16
	46.00	68.46	13.50	87.10	18.06	458.72	6.06	153.92	0.61	15.37	0.36	9.14	0.40	10.16
	50.00	74.00	14.70	95.00	18.16	461.26	6.01	152.68	0.67	16.99	0.39	9.88	0.40	10.16
	55.00	82.00	16.20	104.50	18.31	465.07	6.04	153.47	0.74	18.90	0.42	10.67	0.40	10.16
W18 18 x 7½ (457 x 191)	41.00	61.00	11.78	76.00	17.72	450.00	7.44	189.00	0.43	10.80	0.32	8.10	0.40	10.16
	45.00	67.00	13.20	85.40	17.86	453.64	7.48	189.89	0.50	12.70	0.33	8.48	0.40	10.16
	50.00	74.41	14.70	94.84	17.99	456.95	7.50	190.37	0.57	14.48	0.36	9.02	0.40	10.16
	55.00	82.00	16.20	104.50	18.11	459.99	7.53	191.26	0.63	16.00	0.39	9.91	0.40	10.16
	60.00	89.29	17.60	113.50	18.24	463.30	7.56	191.90	0.70	17.65	0.42	10.54	0.40	10.16
	65.00	97.00	19.10	123.20	18.35	466.09	7.59	192.79	0.75	19.05	0.45	11.43	0.40	10.16
	66.00	98.00	19.40	125.30	18.40	467.36	7.59	192.84	0.77	19.56	0.45	11.43	0.40	10.16
	71.00	106.00	20.80	134.20	18.47	469.14	7.64	193.93	0.81	20.57	0.50	12.57	0.40	10.16
W18 18 x 11 (457 x 279)	76.00	113.10	22.30	143.90	18.21	462.53	11.04	280.29	0.68	17.27	0.43	10.80	0.40	10.16
	86.00	128.00	25.30	163.20	18.39	467.11	11.09	281.69	0.77	19.56	0.48	12.19	0.40	10.16
	97.00	144.40	28.50	183.90	18.59	472.19	11.15	283.08	0.87	22.10	0.54	13.59	0.40	10.16
	106.00	157.70	31.10	200.60	18.73	475.74	11.20	284.48	0.94	23.88	0.59	14.99	0.40	10.16
	119.00	177.10	35.10	226.50	18.97	481.84	11.27	286.13	1.06	26.92	0.66	16.64	0.40	10.16
	130.00	193.50	38.29	247.00	19.25	489.00	11.16	283.50	1.20	30.50	0.67	17.00	0.40	10.16
	143.00	212.80	42.00	271.00	19.49	495.00	11.22	285.00	1.32	33.50	0.73	18.50	0.40	10.16
	158.00	235.00	46.35	299.00	19.72	501.00	11.30	287.00	1.44	36.60	0.81	20.60	0.40	10.16
	175.00	260.00	51.30	331.00	20.04	509.00	11.38	289.00	1.59	40.40	0.89	22.60	0.40	10.16
W21 21 x 6½ (533 x 165)	44.00	66.00	13.00	83.87	20.66	524.76	6.50	165.10	0.45	11.43	0.35	8.89	0.50	12.70
	50.00	74.41	14.70	94.84	20.83	529.08	6.53	165.86	0.54	13.59	0.38	9.65	0.50	12.70
	57.00	85.00	16.70	107.70	21.06	534.92	6.56	166.50	0.65	16.51	0.41	10.29	0.50	12.70
W21 21 x 8¼ (533 x 210)	48.00	71.40	14.11	91.00	20.60	523.20	8.14	206.80	0.43	10.90	0.35	8.90	0.50	12.70
	55.00	82.00	16.20	104.40	20.80	528.32	8.22	208.69	0.52	13.21	0.38	9.55	0.50	12.70
	62.00	92.27	18.30	118.10	20.99	533.15	8.24	209.30	0.62	15.62	0.40	10.16	0.50	12.70
	68.00	101.20	20.00	129.00	21.13	536.70	8.27	210.06	0.69	17.40	0.43	10.92	0.50	12.70
	73.00	109.00	21.50	138.70	21.24	539.50	8.30	210.69	0.74	18.80	0.46	11.56	0.50	12.70
	82.00	122.00	24.10	155.80	21.44	544.58	8.34	211.89	0.84	21.34	0.50	12.75	0.50	12.70
	83.00	123.50	24.30	156.80	21.43	544.32	8.36	212.22	0.84	21.21	0.52	13.08	0.50	12.70
	93.00	138.40	27.30	176.10	21.62	549.15	8.42	213.87	0.93	23.62	0.58	14.73	0.50	12.70
W21 21 x 12¼ (533 x 311)	101.00	150.30	29.80	192.30	21.36	542.54	12.29	312.17	0.80	20.32	0.50	12.70	0.50	12.70
	111.00	165.20	32.70	211.00	21.51	546.35	12.34	313.44	0.88	22.23	0.55	13.97	0.50	12.70
	122.00	181.60	35.90	231.60	21.68	550.67	12.39	314.71	0.96	24.38	0.60	15.24	0.50	12.70
	132.00	196.40	38.80	250.30	21.83	554.48	12.44	315.98	1.03	26.16	0.65	16.51	0.50	12.70
	147.00	218.80	43.20	278.70	22.06	560.32	12.51	317.75	1.15	29.21	0.72	18.29	0.50	12.70
	166.00	247.00	48.83	315.00	22.48	571.00	12.42	315.50	1.36	34.50	0.75	19.10	0.50	12.70
	182.00	270.80	53.63	346.00	22.72	577.10	12.51	317.80	1.48	37.60	0.83	21.10	0.50	12.70
	201.00	300.00	59.21	382.00	23.03	585.00	12.56	319.00	1.63	41.40	0.91	23.10	0.50	12.70
	223.00	331.00	65.41	422.00	23.35	593.00	12.68	322.00	1.79	45.50	1.00	25.40	0.50	12.70
	248.00	370.00	71.30	460.00	23.74	603.00	12.76	324.00	1.99	50.50	1.03	26.20	0.50	12.70
	275.00	409.00	80.76	521.00	24.13	613.00	12.87	327.00	2.19	55.60	1.22	31.00	0.50	12.70
W24 24 x 7 (610 x 178)	55.00	82.00	16.20	104.50	23.57	598.68	7.01	177.93	0.51	12.83	0.40	10.03	0.50	12.70
	61.00	91.00	17.90	116.50	23.72	602.49	7.02	178.38	0.59	15.01	0.42	10.64	0.50	12.70
	62.00	92.27	18.20	117.40	23.74	603.00	7.04	178.82	0.59	14.99	0.43	10.92	0.50	12.70

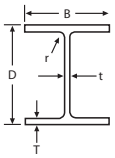
Material Spec : EN 10025 S275JR
EN 10025 S355JR/J0/J2G3
BS 4360 Gr 43A/50B
JIS G3101 SS400

Type I Beam



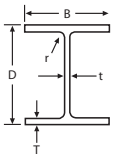
Section Size	Unit Weignt		Section Area		Section Depth		Flange Width		Flange Thickness		Web Thickness		Corner Radius	
SS	M		A		D		B		T		t		r	
in (mm)	lb/ft	kg/m	in2	cm2	in	(mm)	in	(mm)	in	(mm)	in	(mm)	in	(mm)
S4 4 x 2 (100 x 50)	6.24	9.30	1.84	11.85	3.94	100	1.97	50	0.28	7	0.20	5	0.31	8
S4 4 x 4 (100 x 100)	11.35	16.90	3.35	21.60	3.94	100	3.94	100	0.31	8	0.24	6	0.31	8
	11.55	17.20	3.39	21.90	3.94	100	3.94	100	0.31	8	0.24	6	0.39	10
S5 5 x 2.5 (125 x 60)	8.86	13.20	2.61	16.84	4.92	125	2.36	60	0.31	8	0.24	6	0.35	9
S5 5 x 5 (125 x 125)	15.84	23.60	4.65	30.00	4.92	125	4.92	125	0.35	9	0.26	6.5	0.31	8
	15.98	23.80	4.70	30.31	4.92	125	4.92	125	0.35	9	0.26	6.5	0.39	10
S6 6 x 3 (150 x 75)	9.40	14.00	2.77	17.85	5.91	150	2.95	75	0.28	7	0.20	5	0.31	8
S6 6 x 4 (150 x 100)	13.90	20.70	4.08	26.30	5.83	148	3.94	100	0.35	9	0.24	6	0.31	8
	14.17	21.10	4.16	26.84	5.83	148	3.94	100	0.35	9	0.24	6	0.43	11
S6 6 x 6 (150 x 150)	20.88	31.10	6.14	39.60	5.91	150	5.91	150	0.39	10	0.28	7	0.31	8
	21.15	31.50	6.22	40.14	5.91	150	5.91	150	0.39	10	0.28	7	0.43	11
	25.11	37.40	7.39	47.70	6.06	154	5.94	151	0.47	12	0.31	8	0.43	11
S7 7 x 3.5 (175 x 90)	12.08	18.00	3.55	22.90	6.89	175	3.54	90	0.31	8	0.20	5	0.31	8
	12.15	18.10	3.57	23.04	6.89	175	3.54	90	0.31	8	0.20	5	0.35	9
S7 7 x 5 (175 x 125)	15.64	23.30	4.60	29.65	6.65	169	4.92	125	0.31	8	0.22	5.5	0.47	12
S7 7 x 7 (175 x 175)	22.02	32.80	6.46	41.70	6.73	171	6.85	174	0.35	9	0.24	6	0.47	12
	26.99	40.20	7.94	51.21	6.89	175	6.89	175	0.43	11	0.30	7.5	0.47	12
	27.12	40.40	7.97	51.40	6.89	175	6.89	175	0.43	11	0.30	7.5	0.51	13
S8 8X4 (200 x 100)	11.95	17.80	3.52	22.70	7.80	198	3.90	99	0.28	7	0.18	4.5	0.31	8
	12.22	18.20	3.59	23.18	7.80	198	3.90	99	0.28	7	0.18	4.5	0.43	11
	14.03	20.90	4.14	26.70	7.87	200	3.94	100	0.31	8	0.22	5.5	0.31	8
	14.30	21.30	4.21	27.16	7.87	200	3.94	100	0.31	8	0.22	5.5	0.43	11
S8 8 x 6 (200 x 150)	20.07	29.90	5.91	38.10	7.64	194	5.91	150	0.35	9	0.24	6	0.31	8
	20.54	30.60	6.05	39.01	7.64	194	5.91	150	0.35	9	0.24	6	0.51	13
	24.77	36.90	7.29	47.00	7.80	198	5.94	151	0.43	11	0.28	7	0.51	13
S8 8 x 8 (200 x 200)	27.79	41.40	8.17	52.70	7.72	196	7.83	199	0.39	10	0.26	6.5	0.51	13
	33.50	49.90	9.85	63.53	7.87	200	7.87	200	0.47	12	0.31	8	0.51	13
	37.73	56.20	11.09	71.53	7.87	200	8.03	204	0.47	12	0.47	12	0.51	13
	38.80	57.80	11.41	73.60	8.03	204	7.91	201	0.55	14	0.35	9	0.51	13
	44.11	65.70	12.97	83.69	8.19	208	7.95	202	0.63	16	0.39	10	0.51	13
S10 10 x 5 (250 x 125)	16.85	25.10	4.96	32.00	9.76	248	4.88	124	0.31	8	0.20	5	0.31	8
	17.25	25.70	5.07	32.68	9.76	248	4.88	124	0.31	8	0.20	5	0.47	12
	19.47	29.00	5.74	37.00	9.84	250	4.92	125	0.35	9	0.24	6	0.31	8
	19.87	29.60	5.84	37.66	9.84	250	4.92	125	0.35	9	0.24	6	0.47	12
S10 10 x 7 (250 x 175)	29.27	43.60	8.60	55.50	9.61	244	6.89	175	0.43	11	0.28	7	0.51	13
	29.61	44.10	8.72	56.24	9.61	244	6.89	175	0.43	11	0.28	7	0.63	16
	34.64	51.60	10.18	65.70	9.76	248	6.93	176	0.51	13	0.31	8	0.63	16
	39.68	59.10	11.67	75.30	9.92	252	6.97	177	0.59	15	0.35	9	0.63	16
S10 10 x 10 (250 x 250)	43.24	64.40	12.72	82.06	9.61	244	9.92	252	0.43	11	0.43	11	0.63	16
	44.65	66.50	13.13	84.70	9.76	248	9.80	249	0.51	13	0.31	8	0.63	16
	48.20	71.80	14.17	91.40	9.84	250	9.84	250	0.55	14	0.35	9	0.51	13
	48.61	72.40	14.29	92.18	9.84	250	9.84	250	0.55	14	0.35	9	0.63	16
	55.19	82.20	16.23	104.70	9.84	250	10.04	255	0.55	14	0.55	14	0.63	16
	65.86	98.10	19.38	125.00	10.24	260	9.96	253	0.75	19	0.47	12	0.63	16

Type I Beam



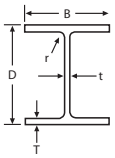
Section Size	Unit Weignt		Section Area		Section Depth		Flange Width		Flange Thickness		Web Thickness		Corner Radius	
SS	M		A		D		B		T		t		r	
in (mm)	lb/ft	kg/m	in2	cm2	in	(mm)	in	(mm)	in	(mm)	in	(mm)	in	(mm)
S12 12 x 6 (300 x 150)	16.78	25.00	5.05	32.60	11.57	294	5.83	148	0.24	6	0.18	4.5	0.63	16
	21.48	32.00	6.32	40.80	11.73	298	5.87	149	0.31	8	0.22	5.5	0.51	13
	24.64	36.70	7.25	46.78	11.81	300	5.91	150	0.35	9	0.26	6.5	0.51	13
	27.79	41.40	8.18	52.80	11.97	304	5.91	150	0.43	11	0.26	6.5	0.51	13
	31.02	46.20	9.11	58.80	12.05	306	5.94	151	0.47	12	0.30	7.5	0.51	13
	46.32	69.00	13.62	87.90	12.52	318	6.06	154	0.71	18	0.43	11	0.51	13
S12 12 x 8 (300 x 200)	32.43	48.30	9.53	61.50	11.42	290	7.83	199	0.39	10	0.28	7	0.71	18
	37.46	55.80	11.02	71.10	11.57	294	7.87	200	0.47	12	0.31	8	0.51	13
	38.13	56.80	11.22	72.38	11.57	294	7.87	200	0.47	12	0.31	8	0.71	18
	43.91	65.40	12.92	83.36	11.73	298	7.91	201	0.55	14	0.35	9	0.71	18
	51.90	77.30	15.27	98.50	11.97	304	7.95	202	0.67	17	0.39	10	0.71	18
S12 12 x 12 (300 x 300)	56.73	84.50	16.69	107.70	11.57	294	11.89	302	0.47	12	0.47	12	0.71	18
	58.41	87.00	17.17	110.80	11.73	298	11.77	299	0.55	14	0.35	9	0.71	18
	62.44	93.00	18.29	118.00	11.81	300	11.81	300	0.59	15	0.39	10	0.51	13
	63.11	94.00	18.57	119.80	11.81	300	11.81	300	0.59	15	0.39	10	0.71	18
	71.16	106.00	20.89	134.80	11.97	304	11.85	301	0.67	17	0.43	11	0.71	18
	83.92	125.00	24.65	159.00	12.20	310	11.93	303	0.79	20	0.51	13	0.71	18
	87.28	130.00	25.58	165.00	12.20	310	12.01	305	0.79	20	0.59	15	0.71	18
	98.69	147.00	28.99	187.00	12.28	312	12.20	310	0.83	21	0.79	20	0.71	18
S14 14 x 7 (350 x 175)	27.66	41.20	8.14	52.50	13.62	346	6.85	174	0.35	9	0.24	6	0.51	13
	27.79	41.40	8.17	52.68	13.62	346	6.85	174	0.35	9	0.24	6	0.55	14
	33.17	49.40	9.75	62.90	13.78	350	6.89	175	0.43	11	0.28	7	0.51	13
	33.30	49.60	9.79	63.14	13.78	350	6.89	175	0.43	11	0.28	7	0.55	14
	38.80	57.80	11.42	73.70	13.94	354	6.93	176	0.51	13	0.31	8	0.55	14
	44.44	66.20	13.07	84.30	14.09	358	6.97	177	0.59	15	0.35	9	0.55	14
	48.20	71.80	14.17	91.40	14.17	360	7.01	178	0.63	16	0.39	10	0.55	14
	53.51	79.70	15.66	101.00	14.33	364	6.97	177	0.71	18	0.43	11	0.55	14
S14 14 x 10 (350 x 250)	46.46	69.20	13.66	88.15	13.23	336	9.80	249	0.47	12	0.31	8	0.79	20
	52.43	78.10	15.50	100.00	13.39	340	9.84	250	0.55	14	0.35	9	0.51	13
	53.51	79.70	15.81	102.00	13.39	340	9.84	250	0.55	14	0.35	9	0.79	20
	63.24	94.20	18.60	120.00	13.62	346	9.88	251	0.67	17	0.39	10	0.79	20
	72.51	108.00	21.24	137.00	13.78	350	9.96	253	0.75	19	0.47	12	0.79	20
S14 14 x 14 (350 x 350)	71.16	106.00	20.97	135.30	13.31	338	13.82	351	0.51	13	0.51	13	0.79	20
	75.86	113.00	22.32	144.00	13.54	344	13.70	348	0.63	16	0.39	10	0.51	13
	77.21	115.00	22.94	148.00	13.54	344	13.70	348	0.63	16	0.39	10	0.79	20
	87.95	131.00	25.82	166.60	13.54	344	13.94	354	0.63	16	0.63	16	0.79	20
	90.63	135.00	26.66	172.00	13.78	350	13.78	350	0.75	19	0.47	12	0.51	13
	91.98	137.00	26.95	173.90	13.78	350	13.78	350	0.75	19	0.47	12	0.79	20
	104.73	156.00	30.75	198.40	13.78	350	14.06	357	0.75	19	0.75	19	0.79	20
	106.75	159.00	31.31	202.00	14.02	356	13.86	352	0.87	22	0.55	14	0.79	20
	121.52	181.00	35.65	230.00	14.25	362	13.94	354	0.98	25	0.63	16	0.79	20

Type I Beam



Section Size	Unit Weignt		Section Area		Section Depth		Flange Width		Flange Thickness		Web Thickness		Corner Radius	
SS	M		A		D		B		T		t		r	
in (mm)	lb/ft	kg/m	in2	cm2	in	(mm)	in	(mm)	in	(mm)	in	(mm)	in	(mm)
S16 16 x 8 (400 x 200)	37.66	56.10	11.07	71.40	15.59	396	7.83	199	0.43	11	0.28	7	0.51	13
	38.00	56.60	11.18	72.16	15.59	396	7.83	199	0.43	11	0.28	7	0.63	16
	43.91	65.40	12.93	83.40	15.75	400	7.87	200	0.51	13	0.31	8	0.51	13
	44.31	66.00	13.04	84.12	15.75	400	7.87	200	0.51	13	0.31	8	0.63	16
	50.69	75.50	14.91	96.20	15.91	404	7.91	201	0.59	15	0.35	9	0.63	16
	59.21	88.20	17.36	112.00	16.14	410	7.95	202	0.71	18	0.39	10	0.63	16
	93.99	140.00	27.75	179.00	16.93	430	8.19	208	1.10	28	0.63	16	0.63	16
	125.55	187.00	37.05	239.00	17.56	446	8.43	214	1.42	36	0.87	22	0.63	16
S16 16 x 12 (400 x 300)	63.31	94.30	18.62	120.10	15.20	386	11.77	299	0.55	14	0.35	9	0.87	22
	70.49	105.00	20.62	133.00	15.35	390	11.81	300	0.63	16	0.39	10	0.51	13
	71.84	107.00	21.08	136.00	15.35	390	11.81	300	0.63	16	0.39	10	0.87	22
	85.26	127.00	25.11	162.00	15.59	396	11.89	302	0.75	19	0.47	12	0.87	22
	96.68	144.00	28.52	184.00	15.83	402	11.93	303	0.87	22	0.51	13	0.87	22
S16 16 x 16 (400 x 400)	93.99	140.00	27.67	178.50	15.28	388	15.83	402	0.59	15	0.59	15	0.87	22
	98.69	147.00	28.95	186.80	15.51	394	15.67	398	0.71	18	0.43	11	0.87	22
	112.79	168.00	33.23	214.40	15.51	394	15.94	405	0.71	18	0.71	18	0.87	22
	115.47	172.00	33.90	218.70	15.75	400	15.75	400	0.83	21	0.51	13	0.87	22
	132.26	197.00	38.86	250.70	15.75	400	16.06	408	0.83	21	0.83	21	0.87	22
	134.27	200.00	39.51	254.90	15.98	406	15.87	403	0.94	24	0.63	16	0.87	22
	155.76	232.00	45.80	295.50	16.30	414	15.94	405	1.10	28	0.71	18	0.87	22
	190.00	283.00	55.91	360.70	16.85	428	16.02	407	1.38	35	0.79	20	0.87	22
	278.62	415.00	81.93	528.60	18.03	458	16.42	417	1.97	50	1.18	30	0.87	22
	406.18	605.00	119.37	770.10	19.61	498	17.01	432	2.76	70	1.77	45	0.87	22
S18 18 x 8 (450 x 200)	43.71	65.10	12.87	83.00	17.56	446	7.83	199	0.47	12	0.31	8	0.51	13
	44.44	66.20	13.07	84.30	17.56	446	7.83	199	0.47	12	0.31	8	0.71	18
	50.29	74.90	14.79	95.40	17.72	450	7.87	200	0.55	14	0.35	9	0.51	13
	51.02	76.00	15.00	96.76	17.72	450	7.87	200	0.55	14	0.35	9	0.71	18
	59.68	88.90	17.52	113.00	17.95	456	7.91	201	0.67	17	0.39	10	0.71	18
	66.40	98.90	19.53	126.00	18.11	460	7.95	202	0.75	19	0.43	11	0.71	18
	73.85	110.00	21.70	140.00	18.11	460	8.07	205	0.75	19	0.55	14	0.71	18
S18 18 x 12 (450 x 300)	71.16	106.00	20.93	135.00	17.09	434	11.77	299	0.59	15	0.39	10	0.94	24
	81.24	121.00	23.87	154.00	17.32	440	11.81	300	0.71	18	0.43	11	0.51	13
	83.25	124.00	24.40	157.40	17.32	440	11.81	300	0.71	18	0.43	11	0.94	24
	97.35	145.00	28.52	184.00	17.56	446	11.89	302	0.83	21	0.51	13	0.94	24
S20 20 x 8 (500 x 200)	52.30	77.90	15.35	99.00	19.53	496	7.83	199	0.55	14	0.35	9	0.51	13
	53.37	79.50	15.70	101.30	19.53	496	7.83	199	0.55	14	0.35	9	0.79	20
	59.21	88.20	17.36	112.00	19.69	500	7.87	200	0.63	16	0.39	10	0.51	13
	60.15	89.60	17.70	114.20	19.69	500	7.87	200	0.63	16	0.39	10	0.79	20
	68.48	102.00	20.00	129.00	19.92	506	7.91	201	0.75	19	0.43	11	0.51	13
	69.15	103.00	20.35	131.30	19.92	506	7.91	201	0.75	19	0.43	11	0.79	20
	78.55	117.00	22.94	148.00	20.16	512	7.95	202	0.87	22	0.47	12	0.79	20
S20 20 x 12 (500 x 300)	7.39	11.00	21.86	141.00	18.98	482	11.81	300	0.59	15	0.43	11	0.51	13
	76.54	114.00	22.55	145.50	18.98	482	11.81	300	0.59	15	0.43	11	1.02	26
	83.92	125.00	24.65	159.00	19.21	488	11.81	300	0.71	18	0.43	11	0.51	13
	85.93	128.00	25.34	163.50	19.21	488	11.81	300	0.71	18	0.43	11	1.02	26
	100.70	150.00	29.61	191.00	19.45	494	11.89	302	0.83	21	0.51	13	1.02	26

Type I Beam



Section Size	Unit Weignt		Section Area		Section Depth		Flange Width		Flange Thickness		Web Thickness		Corner Radius	
SS	M		A		D		B		T		t		r	
in (mm)	lb/ft	kg/m	in2	cm2	in	(mm)	in	(mm)	in	(mm)	in	(mm)	in	(mm)
S24 24 x 8 (600 x 200)	53.04	79.00	15.66	101.00	23.31	592	7.76	197	0.51	13	0.31	8	0.87	22
	62.10	92.50	18.29	118.00	23.46	596	7.83	199	0.59	15	0.39	10	0.51	13
	63.51	94.60	18.68	120.50	23.46	596	7.83	199	0.59	15	0.39	10	0.87	22
	69.15	103.00	20.46	132.00	23.62	600	7.87	200	0.67	17	0.43	11	0.51	13
	71.16	106.00	20.77	134.00	23.62	600	7.87	200	0.67	17	0.43	11	0.87	22
	79.22	118.00	23.25	150.00	23.86	606	7.91	201	0.79	20	0.47	12	0.51	13
	80.56	120.00	23.64	152.50	23.86	606	7.91	201	0.79	20	0.47	12	0.87	22
	89.96	134.00	26.51	171.00	24.09	612	7.95	202	0.91	23	0.51	13	0.87	22
S24 24 x 12 (600 x 300)	89.29	133.00	26.20	169.00	22.91	582	11.81	300	0.67	17	0.47	12	0.51	13
	91.98	137.00	27.05	174.50	22.91	582	11.81	300	0.67	17	0.47	12	1.10	28
	98.69	147.00	28.99	187.00	23.15	588	11.81	300	0.79	20	0.47	12	0.51	13
	101.38	151.00	29.84	192.50	23.15	588	11.81	300	0.79	20	0.47	12	1.10	28
	114.13	170.00	33.64	217.00	23.39	594	11.89	302	0.91	23	0.55	14	0.51	13
	117.49	175.00	34.47	222.40	23.39	594	11.89	302	0.91	23	0.55	14	1.10	28
	136.29	203.00	40.15	259.00	23.70	602	11.97	304	1.06	27	0.63	16	1.10	28
	145.69	217.00	42.94	277.00	23.94	608	11.97	304	1.18	30	0.63	16	1.10	28
S28 28 x 12 (700 x 300)	111.45	166.00	32.78	211.50	27.24	692	11.81	300	0.79	20	0.51	13	1.10	28
	122.19	182.00	35.96	232.00	27.56	700	11.81	300	0.94	24	0.51	13	0.71	18
	124.20	185.00	36.50	235.50	27.56	700	11.81	300	0.94	24	0.51	13	1.10	28
	144.34	215.00	42.41	273.60	27.87	708	11.89	302	1.10	28	0.55	14	1.10	28
S32 32 x 12 (800 x 300)	128.23	191.00	37.73	243.40	31.18	792	11.81	300	0.87	22	0.55	14	1.10	28
	138.97	207.00	40.92	264.00	31.50	800	11.81	300	1.02	26	0.55	14	0.71	18
	140.99	210.00	41.45	267.40	31.50	800	11.81	300	1.02	26	0.55	14	1.10	28
	161.80	241.00	47.68	307.60	31.81	808	11.89	302	1.18	30	0.63	16	1.10	28
	179.25	267.00	52.70	340.00	32.13	816	11.93	303	0.94	24	0.67	17	1.10	28
S36 36 x 12 (900 x 300)	140.99	210.00	41.39	267.00	35.04	890	11.77	299	0.91	23	0.59	15	0.71	18
	143.00	213.00	41.99	270.90	35.04	890	11.77	299	0.91	23	0.59	15	1.10	28
	161.13	240.00	47.43	306.00	35.43	900	11.81	300	1.10	28	0.63	16	0.71	18
	163.14	243.00	48.02	309.80	35.43	900	11.81	300	1.10	28	0.63	16	1.10	28
	190.00	283.00	55.80	360.00	35.91	912	11.89	302	1.34	34	0.71	18	0.71	18
	192.01	286.00	56.42	364.00	35.91	912	11.89	302	1.34	34	0.71	18	1.10	28
	204.10	304.00	59.99	387.00	36.14	918	11.93	303	1.46	37	0.75	19	0.71	18
	206.11	307.00	60.61	391.00	36.14	918	11.93	303	1.46	37	0.75	19	1.10	28

Material Spec :

EN 10025 S275JR
EN 10025 S355JR/J0/J2G3
BS 4360 Gr 43A/50B
JIS G3101 SS400

Stainless Steel Channel Beam Specifications





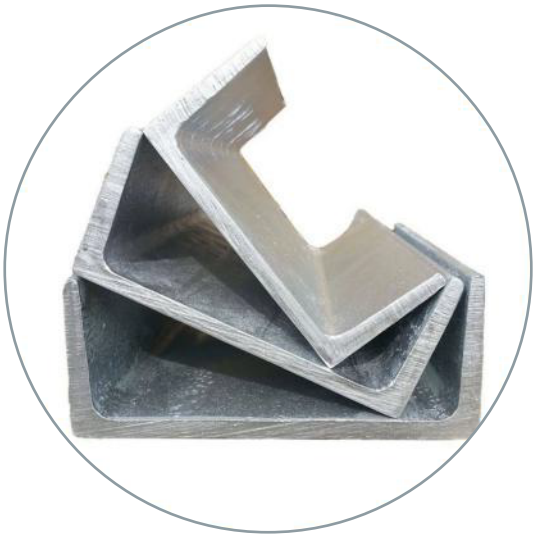
Name	Stainless steel channel
Standard	JIS,AISI,ASTM,GB,DIN,EN
Material	Mainly201,202,304,304L,304H,316,316L,316Ti,2205,330,630,660,409L, 321,310S,410,416,410S,430,347H,2Cr13,3Cr13,etc
	300series:301,302,303,304,304L,309,309s,310,310S,316,316L,316Ti317L,321,347
	200series:201,202,202cu,204
	400series:409,409L410,420,430,431,439,440,441,444
	Others:2205,2507,2906,330,660,630,631,17-4ph,17-7ph, S318039,904L,etc
	Duplex stainles steel:S22053,S25073,S22253,S31803,S32205,S32304
	Special Stainless Steel:904L,347/347H,317/317L,316Ti,254Mo
Technology	Hot-rolled and High frequency welded
Length	5-12m or customized
Web Thickness	5-16mm or customized
Height	100-900mm or customized

Type Channel Beam

Type	Dimensions (mm)	Weight (kg/m)
5#	50*37*4.5	5.440
6.3#	63*40*4.8	6.635
6.5#	65*40*4.8	6.700
8#	80*43*5.0	8.045
10#	100*48*5.3	10.007
12#	120* 53*5.5	12.060
12.6#	126*53*5.5	12.370
14#A	140*60*8.0	14.530
14#B	140*60*8.0	16.730
16#A	160*63*65	17.230
16#B	160*65*8.5	19.755
18#A	180*68*7.0	20.170
18#B	180*70*9.0	23.000
20#A	200*73*7.0	22.637
20#B	200*75*9.0	25.777
22#A	220* 77* 7.0	24.999
22#B	220 * 79 *9.0	28.453
24#A	240*78*7.0	26.860
24#B	240*80*9.0	30.628
25#A	250*78*7.0	27.410
25#B	250*80*9.0	31335
27#A	270*82*7.5	30.838
27#B	270*84*9.5	35.077
28#A	280*84*9.5	31.427
28#B	280*84*9.5	35.823
30#A	300*85*7.5	34.463
30#B	300*87*95	39.173
32#A	320*88*9.0	38.083
32#B	320*90*10	43.107
36#A	360*96*90	47.814
36#B	360*98*11	53.466
40#A	400*100*10.5	58.928
40#B	400*102*12.5	65.208
40#C	400*104*14.5	71.488







Stainless Steel Angle Bar Specifications





Name	Stainless steel angle bar
Standard	ASTM A276,A484,A479,A580,A582,JIS G4303,JIS G4311,DIN16545,DIN 17440,GB/T 1220
Materia	Mainly201,202,304,304L,304H,316,316L,316Ti,2205,330,630,660,409L,321, 310S,410,416,410S,430, 347H, 2Cr13,3Cr13 etc
	300series:301,302,303,304,304L,309,309s,310,310S,316,316L,316Ti,317L,321,347
	200series:201,202,202cu,204
	400series:409,409L,410,420,430,431,439,440,441,444
	Others:2205,2507,2906,330,660,630,631,17-4ph,17-7ph,s318039904L,etc
	Duplex stainless steel:S22053,S25073,S22253,S31803 S32205.S32304
	Special Stainless Steel:904L,347/347H,317/317L,316Ti,254Mo
Technology	Cold Rolled Hot Rolled
Length	1000mm~12000mm or as customer' s requirement
Widthness	50mm-2000mm or customized
Thickness	0.3mm-60mm or customized
Height	50mm-2000mm or customized
Shape	angle bar
Surface	BA, 2B,2D, 4K, 6K, 8K, NO.4, HL, SB,1D, Black
Protection	1. Inter paper available 2. PVC protecting film available

Type Equal Angle Bar

Specification	Weight	Specification	Weight
(mm)	(kg/m)	(mm)	(kg/m)
25*25*3	1.124	90*90*8	10.946
25*25*4	1.459	90*90*10	13.476
30*30*3	1.373	100*100*6	9.366
30*30*4	1.786	100*100*7	10.83
40*40*3	1.852	100*100*8	12.276
40*40*4	2.422	100100*10	15.12
40*40*5	2.976	100*100*12	17.898
45*45*3	2.088	110*110*7	11.928
45*45*4	2.736	110*110*8	13.532
45*45*5	3.369	110*110*10	16.69
50*50*3	2.332	110*110*12	19.782
50*50*4	3.059	125*125*8	15.504
50*50*5	3.77	125*125*10	19.133
50*50*6	4.465	125*125*12	22.696
63*63*5	4.822	125*125*14	26.193
63*63*6	5.721	140*140*10	21.488
63*63*8	7.469	140*140*12	25.522
70*70*5	5.397	140*140*14	29.49
70*70*6	6.406	160*160*10	24.729
70*70*7	7.398	160*160*12	29.391
70*70*8	8.373	160*160*14	33.987
75*75*5	5818	160*160*16	38.518
75*75*6	6.905	180*180*12	33.159
75*75*7	7.976	180*180*14	38.383
75*75*8	9.03	180*180*16	43.542
75*75*10	11.089	180*180*18	48.634
80*80*6	7.376	200*200*14	42.894
80*80*7	8525	200*200*16	48.68
80*80*8	9.658	200*200*18	54.401
80*80*10	11.874	200*200*20	60.056
90*90*6	8.35	200*200*24	71.168

Type Unequal Angle Bar

Size	Tolerance	Thickness	Tolerance	Weight	Size	Tolerance	Thickness	Tolerance	Weight
25x16	±0.8	3	±0.4	0.912	100x63	±2.0	6	±0.7	7.55
25x16	±0.8	4	±0.4	1.176	100x63	±2.0	7	±0.7	8.722
32x20	±0.8	3	±0.4	1.171	100x63	±2.0	8	±0.7	9.878
32x20	±0.8	4	±0.4	1.522	100x63	±2.0	10	±0.7	12.142
40x25	±0.8	3	±0.4	1.484	100x80	±2.0	6	±0.7	8.35
40x25	±0.8	4	±0.4	1.936	100x80	±2.0	7	±0.7	9.656
45x30	±0.8	3	±0.4	1.687	100x80	±2.0	8	±0.7	10.946
45x30	±0.8	4	±0.4	2.203	100x80	±2.0	10	±0.7	13.476
50x32	±0.8	3	±0.4	1.908	110x70	±2.0	6	±0.7	8.35
50x32	±0.8	4	±0.4	2.494	110x70	±2.0	7	±0.7	9656
56x36	±0.8	3	±0.4	2.153	110x70	±2.0	8	±0.7	10.946
56X36	±0.8	4	±0.4	2.818	110x70	±2.0	10	±0.7	13.476
56X36	±0.8	5	±0.4	3.466	125x80	±2.0	7	±0.7	11.066
62x40	±1.5	4	±0.6	3.185	125x80	±2.0	8	±0.7	12.551
62x40	±1.5	5	±0.6	3.92	125x80	±2.0	10	±0.7	15.474
62x40	±1.5	6	±0.6	4.638	125x80	±2.0	12	±0.7	18.33
62x40	±1.5	7	±0.6	5.339	140x90	±2.0	8	±0.7	14.16
70x45	±1.5	4	±0.6	3.57	140x90	±2.0	10	±0.7	17.475
70x45	±1.5	5	±0.6	4.403	140x90	±2.0	12	±0.7	20.724
70x45	±1.5	6	±0.6	5.218	140x90	±2.0	14	±0.7	23.908
70x45	±1.5	7	±0.6	6.011	160x100	±2.5	10	±1.0	19.872
75x50	±1.5	5	±0.6	4.808	160x100	±2.5	12	±1.0	23.592
75x50	±1.5	6	±0.6	5.699	160x100	±2.5	14	±1.0	27.247
75x50	±1.5	8	±0.6	7.431	160x100	±2.5	16	±1.0	30.835
75x50	±1.5	10	±0.6	9.098	180x110	±2.5	10	±1.0	22.272
80x50	±1.5	5	±0.6	5.005	180x110	±2.5	12	±1.0	26.464
80x50	±1.5	6	±0.6	5.935	180x110	±2.5	14	±1.0	30.589
80x50	±1.5	7	±0.6	6.848	180x110	±2.5	16	±1.0	34.649
80x50	±1.5	8	±0.6	7.745	200x125	±2.5	12	±1.0	29.761
90x56	±1.5	5	±0.6	5.661	200x125	±2.5	14	±1.0	34.436
90x56	±1.5	6	±0.6	6.717	200x125	±2.5	16	±1.0	39.045
90x56	±1.5	7	±0.6	7.756	200x125	±2.5	18	±1.0	43.588
90x56	±1.5	8	±0.6	8.779	Legnth=6-12 meters SS400				

Stainless Steel Round, Square and Rectangle Bars Specifications

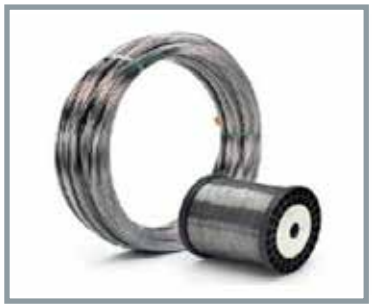


Material	Mainly201,202,304,304L,304H,316,316L,316Ti,2205,330,630,660.409L,321, 310S,410,416,410S,430,347H,2Cr13,3Cr13,etc 300series:301,302,303,304,304L,309,309s,310,310S,316,316L,316Ti,317L,321,347 200series:201,202,202cu,204 400series:409,409L,410,420,430,431,439,440,441,444 Others:2205,2507,2906,330,660,630,631,17-4ph,17-7ph,s318039,904L,etc Duplex stainless steel:S22053,S25073,S22253,S31803,S32205,S32304 Special Stainless Steel:904L,347/347H,317/317L,316Ti,254Mo
Technology	Cold Rolled Hot Rolled
Length	100-12000 mm or as customer' s requirement
Outer Diameter	6-711mm or customized
Thickness	0.5-400mm or customized
Shape	round, square
Surface	BA, 2B, 2D,4K, 6K, 8K, NO.4, HL, SB,1D
Other Choices	Leveling: improve flatness, esp. for items with high flatness request Skin-Pass: improve flatness,higher brightness Cutting:Laser cutting,help the customer to cut the required size
Protection	1. Inter paper available 2. PVC protecting film available

Stainless Steel Wire Specifications









Name	Steel wire
Standard	JIS,AISI, ASTM,GB,DIN,EN
Material	galvanied steel wire: Q195,Q235,45#,60#,65#,70#,80#,82B,carbon steel 72A,82B steel rod stainless steelwire: 201,301,302,303,304,304L,316,316L,321,309,309L,309S,309H,310,310S,410,430 etc
Tensile strength	350-550N/mm2
Length	customized
Thickness	0.3-6mm or customized
Surface	2B,Silver,black wither bright, galvanized or as request

Type Wire

Wire diameter (mm)	Allowable differential (mm)	The maximum differentiar partial diametermm
0.02-0.049	±0.002 -0.001	0.001
0.05-0.074	±0.002	0.002
0.75-0.089	±0.002	0.002
0.09-0.109	±0.003 -0.002	0.003
0.11-0.169	±0.003	0.004
0.17-0.184	±0.004	0.004
0.185-0.199	±0004	0.005
0-0.299	±0.005	0.006
0.3-0.310	±0006	0.006
0.32-0.49	±0006	0.006
0.5-0.599	±0.006	0.006
0.6-0.799	±0.008	0.008
0.8-0.999	±0.008	0.008
1-1.2	±0.009	0.009
1.2-1.4	+0.009	0.009
1.4-1.6	±0.01	0.01
1.6-1.8	±0.01	0.01
1.8-2	±0.01	0.01
2-2.5	±0.012	0.012
2.5-3	±0.015	0.015
3-4	±0.02	0.02
4-5	±0.02	0.02

DOVAL
STEEL GROUP

HEBRINOX®
PIPE, FITTING AND VALVES

WWW.DOVALSTEELGROUP.COM.MX