

I BEAM



STANDARD	GRADE	Thickness (mm)	CHEMICAL COMPOSITION				MECHANICAL PROPERTIES			
			C (%)	Mn (%)	P (%)	S (%)	Min Yield Point (Mpa)		Tensile Strength (Mpa)	Minimum Elongation (%)
							t ≤ 16	16 < t ≤ 20		
JIS	SS400	t ≤ 5			0.050 Max	0.050 Max	245	235	400-510	>21
		5 < t ≤ 16								>17
		16 < t ≤ 20								>21
	SS540	t ≤ 5	0.30 Max	1.60 Max	0.040 Max	0.040 Max	400	390	540 min	>16
		5 < t ≤ 16								>13
		16 < t ≤ 20								>17
SNI	Bj P 41	t ≤ 5			0.050 Max	0.050 Max	245	235	400-510	>21
		5 < t ≤ 16								>17
		16 < t ≤ 20								>21
	Bj P 55	t ≤ 5	0.30 Max	1.60 Max	0.040 Max	0.040 Max	400	390	540 min	>16
		5 < t ≤ 16								>13
		16 < t ≤ 20								>17



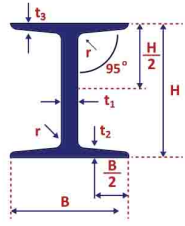
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AVAILABLE SIZES AND THICKNESS :

Size									Weight / 6 m		Weight / 12 m	
80	x	42	x	3.9	x	5.9	x	2.3	38.5	Kg	77.0	Kg
100	x	50	x	4.5	x	6.8	x	2.7	50.6	Kg	101.2	Kg
120	x	58	x	5.1	x	7.7	x	3.1	67.5	Kg	135.0	Kg
140	x	66	x	5.7	x	8.6	x	3.4	87.5	Kg	175.0	Kg
160	x	74	x	6.5	x	9.5	x	3.8	108.5	Kg	217.0	Kg
180	x	82	x	6.9	x	10.4	x	4.1	135.0	Kg	270.0	Kg
200	x	90	x	7.5	x	11.3	x	4.5	157.5	Kg	315.0	Kg
220	x	98	x	8.1	x	12.2	x	4.9	186.5	Kg	373.0	Kg
240	x	106	x	8.7	x	13.1	x	5.2	217.5	Kg	435.0	Kg
250	x	125	x	7.5	x	12.5	x	5.4	234.0	Kg	468.0	Kg
260	x	113	x	9.4	x	14.1	x	5.6	251.5	Kg	503.0	Kg
280	x	119	x	10.1	x	15.2	x	6.1	290.0	Kg	580.0	Kg
300	x	125	x	10.8	x	16.2	x	6.5	330.5	Kg	661.0	Kg
320	x	131	x	11.3	x	17.3	x	6.9	375.0	Kg	750.0	Kg
340	x	137	x	12.2	x	18.3	x	7.3	416.5	Kg	833.0	Kg
360	x	143	x	13.0	x	19.5	x	7.8	463.0	Kg	926.0	Kg
380	x	149	x	13.7	x	20.5	x	7.8	513.0	Kg	1026.0	Kg
400	x	155	x	14.4	x	21.6	x	8.6	568.3	Kg	1136.5	Kg
450	x	170	x	16.2	x	24.3	x	9.7	700.0	Kg	1400.0	Kg
500	x	185	x	18.0	x	27.0	x	10.8	853.5	Kg	1707.0	Kg

Dimension			Tolerance	Remarks
Width (B)	≤ 100 mm		± 2.0 mm	
	100 mm - 200 mm		± 2.5 mm	
	200 mm <		± 3.0 mm	
Height (H)	600 mm <		± 2.0 mm	
	400 mm - 600 mm		± 3.0 mm	
	≤ 400 mm		± 4.0 mm	
Thickness (t1 or t2)	Flange A or B under 130 mm	≤ 16 mm	± 0.7 mm	
		16 mm - 25 mm	± 1.0 mm	
		25 mm - 40 mm	± 1.5 mm	
		40 mm <	± 2.0 mm	
	Flange A or B 130 mm or above	≤ 16 mm	± 1.0 mm	
		16 mm - 25 mm	± 1.5 mm	
		25 mm - 40 mm	± 1.7 mm	
		40 mm <	± 2.0 mm	
Length	≤ 7 m		0 mm	
			+40 mm	
	≤ 7 m		Add 5mm to the above plus size over 7M tolerance for each additional 1M or fraction thereof	



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