

# H 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			0.050 Max	0.050 Max	245	235	400-510	>17
		16 < t ≤ 20			0.050 Max	0.050 Max	245	235	400-510	>21
	SS540	t ≤ 5	0.30 Max	1.60 Max	0.040 Max	0.040 Max	400	390	540 min	>16
		5 < t ≤ 16	0.30 Max	1.60 Max	0.040 Max	0.040 Max	400	390	540 min	>13
		16 < t ≤ 20	0.30 Max	1.60 Max	0.040 Max	0.040 Max	400	390	540 min	>17
SNI	Bj P 41	t ≤ 5			0.050 Max	0.050 Max	245	235	400-510	>21
		5 < t ≤ 16			0.050 Max	0.050 Max	245	235	400-510	>17
		16 < t ≤ 20			0.050 Max	0.050 Max	245	235	400-510	>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	0.30 Max	1.60 Max	0.040 Max	0.040 Max	400	390	540 min	>13
		16 < t ≤ 20	0.30 Max	1.60 Max	0.040 Max	0.040 Max	400	390	540 min	>17



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AVAILABLE SIZES AND THICKNESS :

Size							Weight / 6 m	Weight / 12 m
100	x	100	x	6	x	8	103.0 Kg	206.0 Kg
125	x	125	x	6.5	x	9	143.0 Kg	286.0 Kg
150	x	150	x	7	x	10	189.0 Kg	378.0 Kg
175	x	175	x	7	x	11	241.0 Kg	482.0 Kg
200	x	200	x	8	x	12	299.5 Kg	599.0 Kg
250	x	250	x	9	x	14	434.5 Kg	869.0 Kg
300	x	300	x	10	x	15	564.0 Kg	1,128.0 Kg
350	x	350	x	12	x	19	822.0 Kg	1,644.0 Kg
400	x	400	x	13	x	21	1,032.0 Kg	2,064.0 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)	≤ 400 mm	± 2.0 mm		
	400 mm - 600 mm	± 3.0 mm		
	600 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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