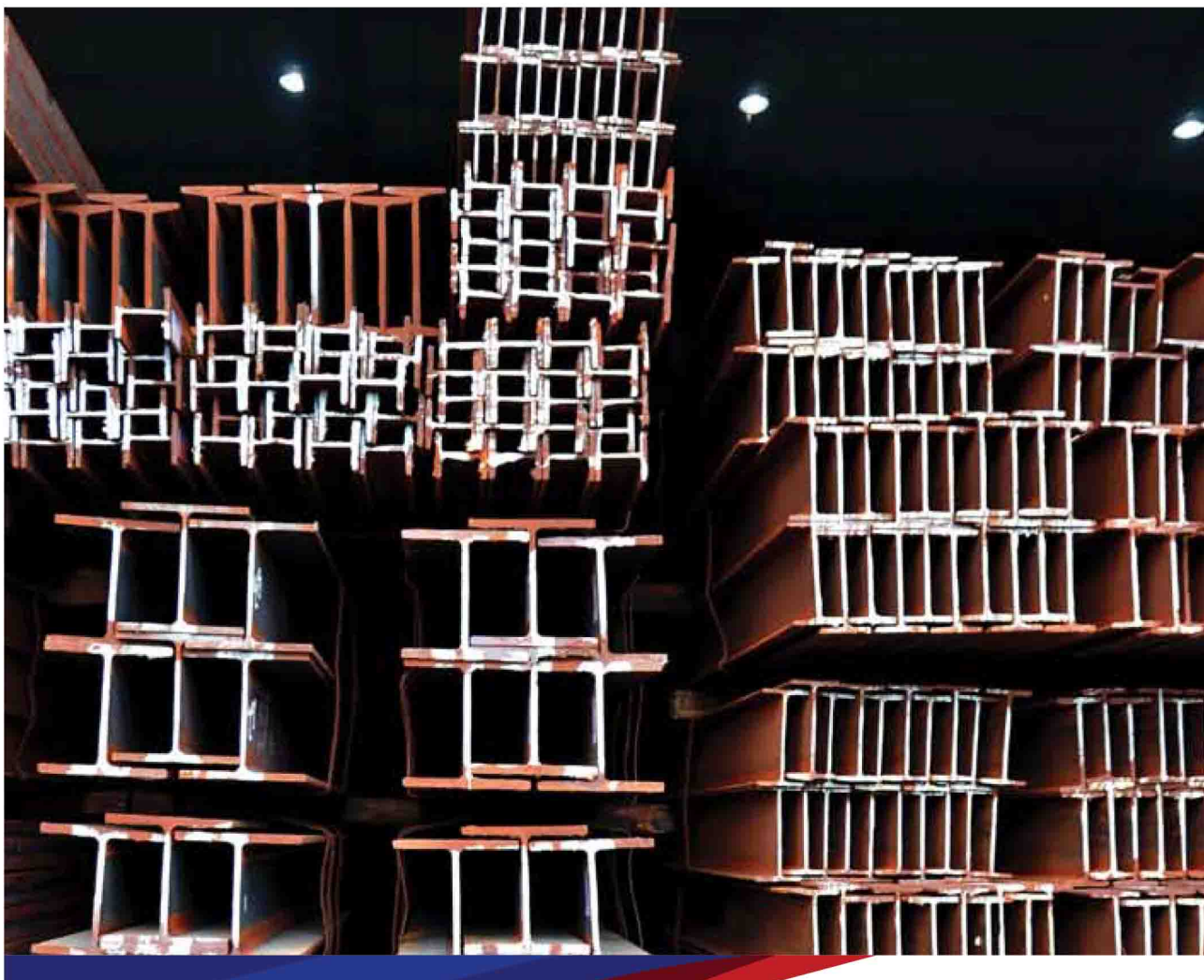


IWF BEAM



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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IWF BEAM

AVAILABLE SIZES AND THICKNESS :

Size						Weight / 6 m	Weight / 12 m	
100	x	50	x	5	x	7	56.0 Kg	112.0 Kg
150	x	75	x	5	x	7	84.0 Kg	168.0 Kg
175	x	90	x	5	x	8	217.2 Kg	434.4 Kg
194	x	150	x	6	x	9	180.0 Kg	360.0 Kg
198	x	99	x	4.5	x	7	109.0 Kg	218.0 Kg
200	x	100	x	5.5	x	8	128.0 Kg	256.0 Kg
244	x	175	x	7	x	11	261.5 Kg	523.0 Kg
248	x	124	x	5	x	8	154.2 Kg	308.4 Kg
250	x	125	x	6	x	9	177.6 Kg	355.2 Kg
294	x	200	x	8	x	12	335.0 Kg	670.0 Kg
298	x	149	x	6	x	8	192.0 Kg	384.0 Kg
300	x	150	x	6.5	x	9	220.2 Kg	440.4 Kg
346	x	174	x	6	x	9	248.5 Kg	497.0 Kg
350	x	175	x	7	x	11	297.6 Kg	595.2 Kg
390	x	300	x	10	x	16	630.0 Kg	1260.0 Kg
396	x	199	x	7	x	11	339.8 Kg	679.5 Kg
400	x	200	x	8	x	13	396.0 Kg	792.0 Kg
440	x	300	x	11	x	8	726.0 Kg	1452.0 Kg
446	x	199	x	8	x	12	397.2 Kg	794.4 Kg
450	x	200	x	9	x	14	456.0 Kg	912.0 Kg
500	x	200	x	10	x	16	537.5 Kg	1075.0 Kg
588	x	300	x	12	x	20	906.0 Kg	1812.0 Kg
600	x	200	x	10	x	17	636.0 Kg	1272.0 Kg
700	x	300	x	13	x	24	1110.0 Kg	2220.0 Kg
800	x	300	x	14	x	26	1260.0 Kg	2520.0 Kg
900	x	300	x	16	x	28	1440.0 Kg	2880.0 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		
	≤ 7 m	+40 mm		
		Add 5mm to the above plus size over 7M tolerance for each additional 1M or fraction thereof		



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