

CHANNEL UNP



			CHEMICAL COMPOSITION				MECHANICAL PROPERTIES			
STANDARD	GRADE	Thickness (mm)	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



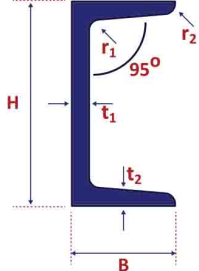
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AVAILABLE SIZES AND WEIGHT :

Size mm	Weight 6 m	Weight 12 m	Size mm	Weight 6 m	Weight 12 m
50 x 38 x 5 x 7	34.14 Kg	68.28 Kg	180 x 75 x 7.0 x 10.5	128.40 Kg	256.8 Kg
65 x 42 x 5.0 x 7	42.54 Kg	85.08 Kg	200 x 75 x 8.5 x 11.5	151.80 Kg	303.6 Kg
75 x 40 x 5.5 x 7.5	41.70 Kg	83.4 Kg	200 x 80 x 7.5 x 11	147.60 Kg	295.2 Kg
80 x 45 x 5.0 x 7	47.76 Kg	95.52 Kg	200 x 90 x 8.0 x 13.5	181.80 Kg	363.6 Kg
80 x 45 x 6.0 x 7	52.80 Kg	105.6 Kg	220 x 80 x 9.0 x 12.5	176.40 Kg	352.8 Kg
100 x 50 x 5.0 x 8	56.16 Kg	112.32 Kg	240 x 85 x 9.5 x 13	199.20 Kg	398.4 Kg
120 x 55 x 7.0 x 7.5	80.40 Kg	160.8 Kg	250 x 90 x 9.0 x 13	207.60 Kg	415.2 Kg
125 x 65 x 6.0 x 8	80.40 Kg	160.8 Kg	250 x 90 x 11.0 x 14.5	241.20 Kg	482.4 Kg
140 x 60 x 7.0 x 10	96.00 Kg	192 Kg	300 x 90 x 9.0 x 13	228.60 Kg	457.2 Kg
150 x 75 x 6.5 x 10	111.60 Kg	223.2 Kg	320 x 100 x 14.0 x 17.5	357.00 Kg	714 Kg
150 x 75 x 9.0 x 12.5	144.00 Kg	288 Kg	380 x 100 x 13.0 x 16.5	372.00 Kg	744 Kg
160 x 65 x 7.5 x 10.5	112.80 Kg	225.6 Kg	380 x 100 x 10.5 x 20	403.80 Kg	807.6 Kg
180 x 70 x 8.0 x 11	132.00 Kg	264 Kg	400 x 110 x 14.0 x 18	430.80 Kg	861.6 Kg

Dimension			Tolerance	
Width (B)	< 50 mm		± 1.5 mm	
	50 mm - 100 mm		± 2.0 mm	
	100 mm <		± 3.0 mm	
Height (H)	< 50 mm		± 1.5 mm	
	50 mm - 100 mm		± 2.0 mm	
	100 mm <		± 3.0 mm	
Thickness (t1 or t2)	Flange A or B under 130 mm	< 6.3 mm	± 0.6 mm	
		6.3 mm - 10 mm	± 0.7 mm	
		10 mm - 16 mm	± 0.8 mm	
		16 mm ≤	± 1.0 mm	
	Flange A or B 130 mm or above	< 6.3 mm	± 0.7 mm	
		6.3 mm - 10 mm	± 0.8 mm	
		10 mm - 16 mm	± 1.0 mm	
		16 mm ≤	± 1.2 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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