

ANGLE BAR



			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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ANGLE BAR

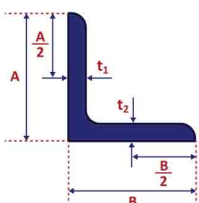
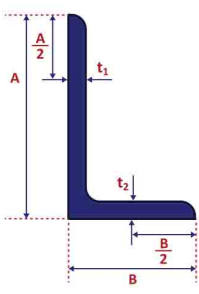
AVAILABLE SIZES, WEIGHT, DIMENSIONAL TOLERANCE :

EQUAL ANGLE			
Size mm	T mm	Weight	
		6 m	12 m
30 X 30	3	8.16 Kg	16.32 Kg
	5	13.60 Kg	27.20 Kg
40 x 40	3	10.98 Kg	21.96 Kg
	4	14.52 Kg	29.04 Kg
	5	17.70 Kg	35.40 Kg
45 x 45	6	22.00 Kg	44.00 Kg
	3	10.92 Kg	21.84 Kg
	4	16.44 Kg	32.88 Kg
50 x 50	5	20.28 Kg	40.56 Kg
	3	13.70 Kg	27.40 Kg
	4	18.36 Kg	36.72 Kg
	5	22.62 Kg	45.24 Kg
60 x 60	6	26.58 Kg	53.16 Kg
	8	34.10 Kg	68.20 Kg
	4	22.08 Kg	44.16 Kg
	5	27.30 Kg	54.60 Kg
65 x 65	6	32.22 Kg	64.44 Kg
	8	43.50 Kg	87.00 Kg
	10	54.50 Kg	109.00 Kg
	4	23.64 Kg	47.28 Kg
70 x 70	5	30.00 Kg	60.00 Kg
	6	35.46 Kg	70.92 Kg
	8	46.00 Kg	92.00 Kg
	10	54.12 Kg	108.24 Kg
70 x 70	5	31.74 Kg	63.48 Kg
	6	38.28 Kg	76.56 Kg
	7	44.28 Kg	88.56 Kg

EQUAL ANGLE			
Size mm	T mm	Weight	
		6 m	12 m
75 x 75	5	34.02 Kg	68.04 Kg
	6	41.10 Kg	82.20 Kg
	7	47.64 Kg	95.28 Kg
	8	54.00 Kg	108.00 Kg
	9	59.76 Kg	119.52 Kg
	10	63.00 Kg	126.00 Kg
	11	74.50 Kg	149.00 Kg
	12	78.00 Kg	156.00 Kg
80 x 80	5	36.30 Kg	72.60 Kg
	6	43.92 Kg	87.84 Kg
	7	50.88 Kg	101.76 Kg
90 x 90	8	57.66 Kg	115.32 Kg
	6	49.68 Kg	99.36 Kg
	7	57.54 Kg	115.08 Kg
	8	65.34 Kg	130.68 Kg
100 x 100	9	73.02 Kg	146.04 Kg
	10	79.80 Kg	159.60 Kg
	6	54.96 Kg	109.92 Kg
	7	64.20 Kg	128.40 Kg
120 x 120	8	72.60 Kg	145.20 Kg
	10	89.40 Kg	178.80 Kg
	12	108.84 Kg	217.68 Kg
	8	88.20 Kg	176.40 Kg
120 x 120	10	109.20 Kg	218.40 Kg
	11	119.40 Kg	238.80 Kg
	12	129.60 Kg	259.20 Kg

EQUAL ANGLE			
Size mm	T mm	Weight	
		6 m	12 m
130 x 130	10	118.20 Kg	236.40 Kg
	12	140.40 Kg	280.80 Kg
150 x 150	10	137.40 Kg	274.80 Kg
	12	163.80 Kg	327.60 Kg
	15	201.60 Kg	403.20 Kg
175 x 175	15	236.40 Kg	472.80 Kg
	15	271.80 Kg	543.60 Kg
200 x 200	16	290.30 Kg	580.60 Kg
	20	358.20 Kg	716.40 Kg
250 x 250	25	562.20 Kg	1124.40 Kg

EQUAL ANGLE			
Size mm	T mm	Weight	
		6 m	12 m
100 X 75	7	55.92 Kg	111.84 Kg
	8	61.80 Kg	123.60 Kg
	10	78.00 Kg	156.00 Kg
125 X 75	7	64.20 Kg	128.40 Kg
	9	81.60 Kg	163.20 Kg
	10	89.40 Kg	178.80 Kg
	12	114.60 Kg	229.20 Kg
150 X 90	9	98.40 Kg	196.80 Kg
	10	109.20 Kg	218.40 Kg
	12	129.00 Kg	258.00 Kg

Dimension			Tolerance	Remarks
Height (H)	< 50 mm		± 1.5 mm	
	50 mm - 100 mm		± 2.0 mm	
	100 mm - 200 mm		± 3.0 mm	
	200 mm <		± 4.0 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 under 130 mm	< 6.3 mm	± 0.7 mm	
		6.3 mm - 10 mm	± 0.8 mm	
		10 mm - 16 mm	± 1.0 mm	
		16 mm - 25 mm	± 1.2 mm	
Length	≤ 7 M		0 mm	
			+40 mm	
	7 M <		Add 5mm to to the above plus size over 7m tolerance for each additional 1m or fraction thereof	



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