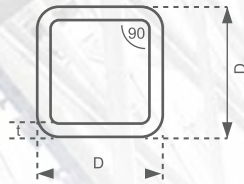




บริษัท มิตรสตีล จำกัด www.mitrsteel.com
114/40 หมู่ 10 ตำบลหนองละลอก อำเภอบ้านค่าย
จังหวัดระยอง 21120 Tel. 66(0)3301-2436-8



CARBON STEEL HOLLOW SECTION PIPE

เหล็กงานโครงสร้าง



MATERIAL OF GRADE	CHEMICAL COMPOSITION (%)					MECHANICAL PROPERTIES			COLOR CODE
	C Max	Si Max	Mn Max	P Max	S Max	Yield Strength	Tensile Strength	Elongation	Material of Grade
						N/mm ²	N/mm ²	%	
HS 41	0.280	-	-	0.048	0.048	235	402	23	GREEN
HS 50	0.210	0.570	1.530	0.048	0.048	314	490	23	RED

Nominal size		Thickness mm	Weight (plain end) kg/m	Cross sectional area cm ²	Geometrical moment of inertia cm ⁴	Modulus of section cm ³	Radius of gyration cm
A	B	STD	STD	STD	I _x ,I _y	Z _x ,Z _y	i _x ,i _y
25	25	2.00	1.36	1.737	1.48	1.19	0.924
		2.30	1.53	1.972	1.61	1.29	0.904
32	32	2.30	2.04	2.596	3.71	2.32	1.2
		3.20	2.69	3.423	4.54	2.84	1.15
38	38	2.30	2.47	3.148	6.54	3.44	1.44
		3.20	3.29	4.191	8.18	4.3	1.4
50	50	2.30	3.34	4.252	15.9	6.34	1.93
		3.20	4.50	5.727	20.4	8.16	1.89
60	60	2.30	4.06	5.172	28.3	9.44	2.34
		3.20	5.50	7.007	36.9	12.3	2.3
		4.00	6.71	8.548	43.6	14.5	2.26
75	75	3.20	7.01	8.927	75.5	20.1	2.91
		4.00	8.59	10.948	90.2	24.1	2.87
90	90	3.20	8.51	10.85	135	29.9	3.52
		4.00	10.48	13.35	162	36	3.48
		4.50	11.67	14.87	178	39.5	3.46
100	100	3.20	9.52	12.13	187	37.5	3.93
		4.00	11.70	14.95	226	45.3	3.89
		4.50	13.10	16.67	249	49.9	3.87
150	150	4.50	20.10	25.67	896	120	5.91
		6.00	26.40	33.63	1150	153	5.84
175	175	4.50	23.70	30.17	1450	166	6.93
		6.00	31.10	39.63	1860	213	6.86
200	200	6.00	35.80	45.63	2830	283	7.88
		8.00	46.90	59.79	3620	362	7.78
		9.00	52.30	66.67	3990	399	7.73
250	250	6.00	45.20	57.63	5670	454	9.92
		8.00	59.20	75.79	7320	585	9.82
		9.00	66.50	84.67	8090	647	9.78
300	300	6.00	54.70	69.63	9960	664	12
		9.00	80.60	102.7	14300	956	11.8
		12.00	106.00	134.5	18300	1220	11.7
350	350	9.00	94.70	120.7	23200	1320	13.9
		12.00	124.00	158.5	29800	1700	13.7

Dimension Tolerances

Outside Diameter: ≤ 100 mm : ± 1.5 mm
> 100 mm : ± 1.5%

Thickness : 2.0 ≤ t ≤ 3.2 : ± 0.30 mm
4.0 ≤ t ≤ 8.0 : ± 10%

Weight : ± 10%