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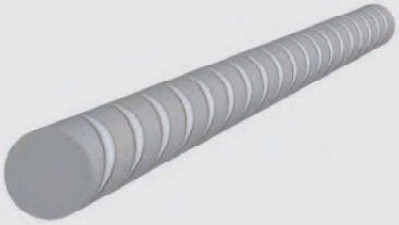
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1. DEFORMED BAR (DB)
เหล็กข้ออ้อย

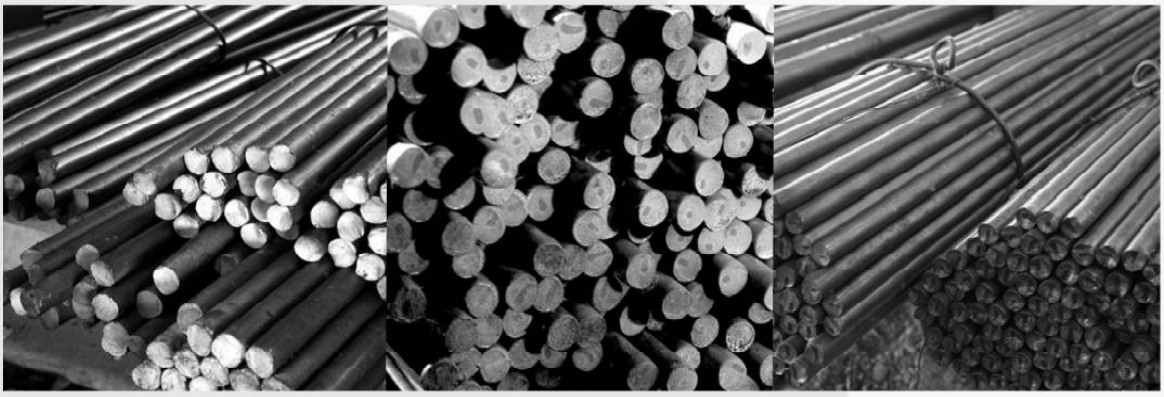


PRODUCT IN 3D

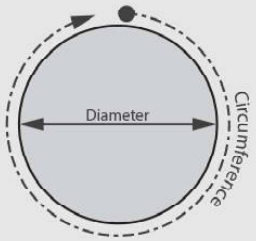


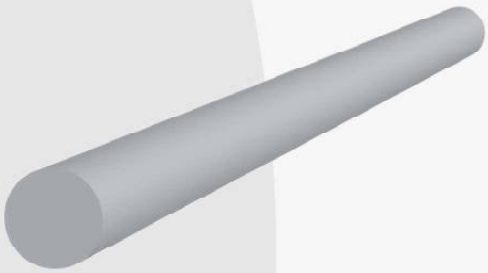
NAME	DIAMETER (MM.)	CIRCUMFERENCE (MM.)	CROSS SECTION AREA (SQ.MM.)	WEIGHT (KG/M.)
DB 10	10	31.4	78.54	0.616
DB 12	12	37.7	113.1	0.888
DB 16	16	50.3	201.1	1.578
DB 20	20	62.9	314.2	2.466
DB 25	25	78.6	490.9	3.853
DB 28	28	88.8	615.8	4.834
DB 32	32	100.5	804.2	6.313

2. ROUND BAR (RB)
เหล็กเส้นกลม



PRODUCT IN 3D





NAME	DIAMETER (MM.)	CIRCUMFERENCE (MM.)	CROSS SECTION AREA (SQ.MM.)	WEIGHT (KG/M.)
RB 6	6	18.9	28.3	0.222
RB 8	8	25.1	50.3	0.395
RB 9	9	28.3	63.6	0.499
RB 10	10	31.4	78.5	0.616
RB 12	12	37.7	113.1	0.888
RB 15	15	47.1	176.7	1.387
RB 19	19	59.7	283.5	2.226
RB 25	25	78.6	490.9	3.853

SPECIFICATIONS ROUND / DEFORMED BARS

INDUSTRIAL STANDARDS OF มาตรฐานอุตสาหกรรม	THAI ไทย				JAPANESE ญี่ปุ่น				BRITISH อังกฤษ		AMERICA อเมริกา		
STEEL ROUND BARS เหล็กเส้นกลม	มอก. 20-2559 SR24				JIS G 3112 (1998) SR235				BS 4449 (1988) SR250		ASTM, A 615-94 Grade 40 Grade 60 Grade 75		
STEEL DEFORMED BARSD เหล็กข้ออ้อย	มอก. 24-2559 SD 30,SD 40,SD 50				JIS G 3112 (1998) SD 295A, SD 390, SD 490				GRADE460				
GRADE ชั้นคุณภาพ	SR24	SD30	SD40	SD50	SR235	SD295A	SD390	SD490	GRADE 250	GRADE 460	GRADE 40	GRADE 60	GRADE 75
Max. Chemical Composition ส่วนประกอบทางเคมี													
Carbon	0.280	0.300	-	-	-	-	0.290	0.320	0.270	0.270	-	-	-
Phosphorus	0.058	0.060	0.060	0.060	0.050	0.050	0.040	0.040	0.065	0.055	0.075	0.075	0.075
Sulfur	0.058	0.060	0.060	0.060	0.050	0.050	0.040	0.040	0.065	0.055	-	-	-
Managenese	-	-	1.850	1.850	-	-	1.800	1.800	-	-	-	-	-
Silicon	-	-	-	-	-	-	0.550	0.550	-	-	-	-	-
	-	0.500	0.550	0.600	-	-	0.550	0.600	-	-	-	-	-
	-	-	-	-	-	-	-	-	0.450	0.540	-	-	-
Yield Strength ความต้านทานแรงดึงที่จุดคราก													
Min. Kg./mm2Min. Kg./mm2	24.000	23.000	40.000	50.000	24.000	30.000	40.000	50.000	25.480	46.890	28.120	42.180	52.730
Max. Kg./mm2Max. Kg./mm2	-	-	-	-	-	-	52.000	64.000	-	-	-	-	-
Tensile Strength ความต้านทานแรงดึงที่จุดคราก													
Min. Kg./mm2Min. Kg./mm2	39	49	57	63	39	45	57	63	Greater than the actual yeild strength		49.22	63.28	70.31
Max. Kg./mm2Max. Kg./mm2	-	-	-	-	53.000	61.000	-	-			-	-	-
Min. Elongation ความยืดไม่น้อยกว่า (%)													
For All Sizes	21%	17%	15%	13%	20, 24%	16, 18%	16, 18%	12, 14%	22%	12%	-	-	-
Various Sizes :-													
Dia. 6 - 10 mm.	-	-	-	-	-	-	-	-	-	-	11%	9%	-
Dia. 13 - 19 mm.	-	-	-	-	-	-	-	-	-	-	12%	9%	-
Dia. 22 - 25 mm.	-	-	-	-	-	-	-	-	-	-	-	8%	7%
Dia. 28 - 51 mm.	-	-	-	-	-	-	-	-	-	-	-	7%	6%
Guage Length L.	5d	5d	5d	5d	8d, 4d	8d, 4d	8d, 4d	8d, 4d	5d	5d	8 inch	8 inch	8 inch
Cold Bend Test การดัดโค้งเย็น													
For All Sizes	1.5d	-	5d	-	1.5d	-	2.5d	-	2d	3d	-	-	-
Various Sizes :-													
Dia. 6 - 16 mm.	-	3d	-	5d	-	1.5d	-	2.5d	-	-	3.5d	3.5d	
Dia. 19 - 25 mm.	-	4d	-	5d	-	2d	-	2.5d	-	-	5d	5d	5d
Dia. 28 - 36 mm.	-	4d	-	6d	-	2d	-	3d	-	-	-	7d	7d
Dia. 38 - 41 mm.	-	4d	-	6d	-	2d	-	3d	-	-	-	(9d)	(9d)
51 mm.	-	4d	-	6d	-	4d	-	6d	-	-	-	(9d)	(9d)
Bend Angle (degree°)	180	180	180	90	180	180	180	90	180	180	180	180(90)	180(90)
Bebend Test	-	-	-	-	-	-	-	-	2d	5d	-	-	-

WEIGHT TABLE ตารางน้ำหนัก ▯ เหล็กข้ออ้อย ○ เหล็กเส้นกลม

DIAMETRE (MM.) ขนาด (มม.)	● ▯ 6	● ▯ 8	● 9	● ▯ 10	● ▯ 12	● 15	▯ 16	● 19	● ▯ 20	● ▯ 25	● ▯ 28	▯ 32	▯ 40
Weight (kg.). น้ำหนัก (กก.)													
Per 10 Metres. 10 เมตร	2.220	3.950	4.990	6.160	8.880	13.870	15.780	22.260	24.660	38.530	48.340	63.130	98.650
Per 12 Metres. 12 เมตร	2.664	4.740	5.988	7.392	10.656	16.644	18.936	26.712	29.592	46.236	58.008	75.756	118.380
Pieces Per Bundle. จำนวนเส้นใน 1 มัด	400	200	200	150	100	75	75	50	50	30	25	20	12
Cross-Sectional Area (mm2). พื้นที่ภาคตัดขวาง (มม2.)	28.3	50.3	63.6	78.5	113.1	176.7	201.0	283.5	314.0	491.0	616.0	804.0	1256.6

3. WIRE ROD (WR)
เหล็กลวด



PRODUCT IN 3D





INDUSTRAL STANDARD มาตรฐานอุตสาหกรรม	THAI ไทย				JAPANESE ญี่ปุ่น			
LOW CARBON STEEL WIRE RODS เหล็กลวดคาร์บอนต่ำ	TIS. 348 - 2540 มอก. 348 - 2540				JIS. G 3505 (1997)			
GRADE ชั้นคุณภาพ	SWRM 6	SWRM 8	SWRM 10	SWRM 12	SWRM 15	SWRM 17	SWRM 20	SWRM 12
Chemical Composition (%) ส่วนประกอบทางเคมี (เปอร์เซ็นต์)								
Carbon	0.08 max.	0.10max.	0.08 - 0.13	0.10 - 0.15	0.13 - 0.18	0.15 - 0.20	0.18 - 0.23	0.20 - 0.25
Manganese	0.06 max.	0.60 max.	0.30 - 0.60	0.30 - 0.60	0.30 - 0.60	0.30 - 060	0.30 - 0.60	0.30 - 0.60
Phosphorus	0.04 max.	0.040 max.	0.040 max.	0.040 max.	0.040 max.	0.040 max.	0.040 max.	0.040 max.
Sulfur	0.40 max.	0.040 max.	0.040 mvx.	0.040 max.	0.040 max.	0.04.max	0.040 max.	0.040 max.
Diameter เส้นผ่านศูนย์กลาง (มม.)	5.5-19 mm							
Tolerance เส้นผ่านศูนย์กลาง (มม.) Dia. 5.5 - 15 16 - 19	± 0.40 ± 0.50							
Out - pf - round ความเบี้ยว (มม.) Dia. 5.5 - 19 16 - 19	0.64 max. 0.80 max.							

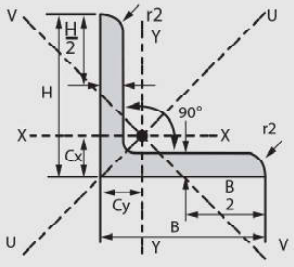
4. ANGLE BAR (AB)
เหล็กฉาก

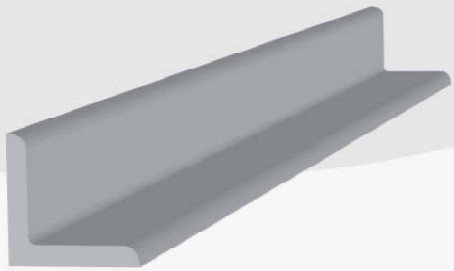
STANDARD SECTIONAL DIMENSION (MM.)				SECTIONAL AREA (CM^2)	UNIT WEIGHT (KG./M.)
A x B	t	r_1	r_2		
25x25	3	4	2	1.427	1.12
	5	3.5	2.4	2.26	1.77
30x30	3	4	2	1.727	1.36
	5	5	2.4	2.78	2.18
40x40	3	4.5	2	2.336	1.83
	4	6	2.4	3.08	2.42
	5	4.5	3	3.755	2.95
	6	6	2.4	4.48	3.52
45x45	4	6.5	3	3.492	2.74
	5	6.5	3	4.302	3.38
50x50	3	7	2.4	2.96	2.33
	4	6.5	3	3.892	3.06
	5	6.5	3	4.802	3.77
	6	6.5	4.5	5.644	4.43
60x60	4	6.5	3	4.692	3.68
	5	6.5	3	5.802	4.55
65x65	5	8.5	3	6.367	5
	6	8.5	4	7.527	5.91
	8	8.5	6	9.761	7.66
70x70	6	8.5	4	8.127	6.38
75x75	6	8.5	4	8.727	6.85
	9	8.5	6	12.69	9.96
	12	8.5	6	16.56	13
80x80	6	8.5	4	9.327	7.32
90x90	6	10	5	10.55	8.28
	7	10	5	12.22	9.59
	10	10	7	17	13.3
	12	11	4.8	20.3	15.9
	13	10	7	21.71	17
100x100	7	10	5	13.62	10.7
	10	10	7	19	14.9
	12	12	4.8	22.7	17.8
	13	10	7	24.31	19.1
120x120	8	12	5	18.76	14.7
130x130	9	12	6	22.74	17.9
	12	12	8.5	29.76	23.4
	15	12	8.5	36.75	28.8
150x150	12	14	7	34.77	27.3
	15	14	10	42.74	33.6
	19	14	10	53.38	41.9
175x175	12	15	11	40.52	31.8
	15	15	11	50.21	39.4
200x200	15	17	12	57.75	45.3
	20	17	12	76	59.7
	25	17	12	93.75	73.6
250x250	25	24	12	119.4	93.7
	35	24	18	162.6	128



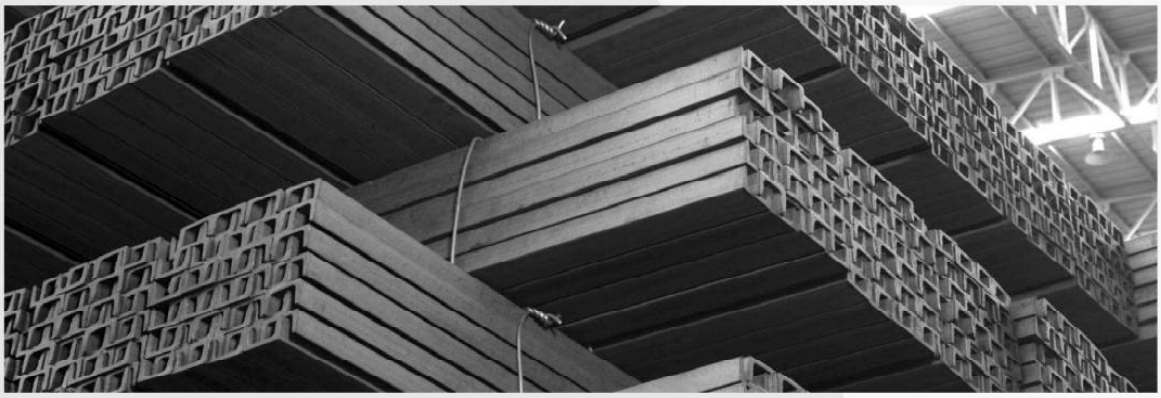


PRODUCT IN 3D

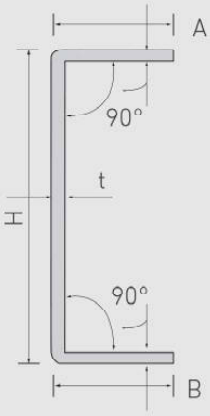


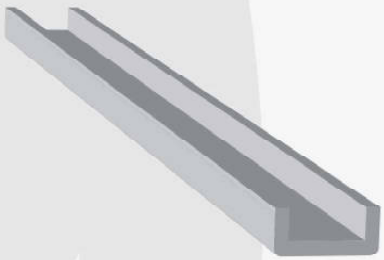


5. CHANNEL BAR (CB)
เหล็กรางน้ำ



PRODUCT IN 3D



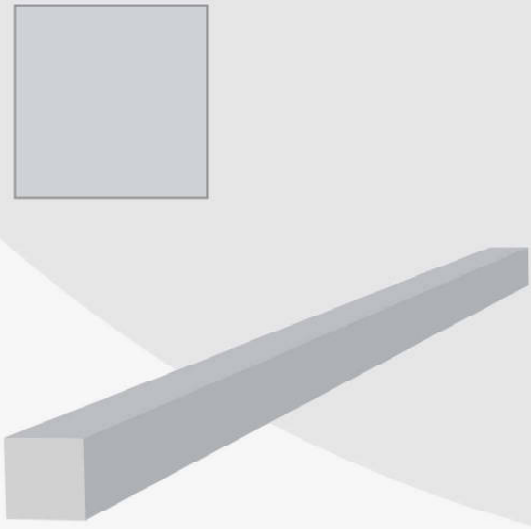


STANDARD SECTIONAL DIMENSION (MM.)					SECTIONAL AREA (CM^2)	UNIT WEIGHT (KG./M.)
H x B	t_1	t_2	r_1	r_2		
50x25	5	6	6	3	4.92	3.86
75x40	5	7	8	4	8.818	6.92
100x50	5	7.5	8	4	11.92	9.36
125x65	6	8	8	4	17.11	13.4
150x75	6.5	10	10	5	23.71	18.6
	9	12.5	15	7.5	30.59	24
180x75	7	10.5	11	5.5	27.2	21.4
200x80	7.5	11	12	6	31.33	24.6
200x90	8	13.5	14	7	38.65	30.3
250x90	9	13	14	7	44.07	34.6
300x90	11	14.5	17	8.5	51.17	40.2
	9	13	14	7	48.57	38.1
	10	15.5	19	9.5	55.74	43.8
	12	16	19	9.5	61.9	48.6
380x100	10.5	16	18	9	69.39	54.5
	13	16.5	18	9	78.96	62
	13	20	24	12	85.71	67.3

6. SQUARE BAR (SB)
เหล็กสี่เหลี่ยมตัน



PRODUCT IN 3D



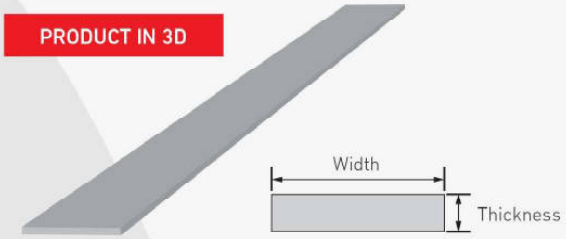
SIZE ขนาด	WEIGHT น้ำหนัก	
mm.	1 M.	6 M.
10.0	0.80	4.80
12.0	1.12	6.72
16.0	2.00	12.00
19.0	2.83	16.98
25.0	4.83	28.98
32.0	8.00	48.00
38.0	11.33	67.98
50.0	19.67	118.02
65.0	33.17	199.02
75.0	44.17	265.02

7. FLAT BAR (FB)
เหล็กแบน





PRODUCT IN 3D



STANDARD SECTIONAL DIMENSION		SECTIONAL AREA CM²	UNIT WEIGHT KG./M.
Thickness mm.	Width mm.		
4.5	25	1.125	0.88
	32	1.44	1.13
	38	1.71	1.34
	44	1.98	1.55
	50	2.25	1.77
6	25	1.5	1.18
	32	1.92	1.51
	38	2.28	1.79
	44	2.64	2.07
	50	3	2.36
	65	3.9	3.06
	75	4.5	3.53
	90	5.4	4.24
	100	6	4.71
	125	7.5	5.89
8	25	2	1.57
	32	2.56	2.01
	38	3.04	2.39
	44	3.52	2.76
	50	1	3.14
	65	5.2	4.08
	75	6	4.71
	90	7.2	5.65
	100	8	6.28
	125	10	7.85
9	25	2.25	1.77
	32	2.28	2.26
	38	3.42	2.68
	44	3.96	3.11
	50	4.5	3.53
	65	5.85	4.59
	75	6.75	5.3
	90	8.1	6.36
	100	9	7.06
	125	11.25	8.83
	150	13.5	10.6
	180	16.2	12.7
	200	18	14.1
	230	20.7	16.2
	250	22.5	17.7

STANDARD SECTIONAL DIMENSION		SECTIONAL AREA CM²	UNIT WEIGHT KG./M.
Thickness mm.	Width mm.		
12	25	3	2.36
	32	3.81	3.01
	38	4.56	3.58
	44	5.28	4.14
	50	6	4.71
	65	7.8	6.12
	75	9	7.06
	90	10.8	8.48
	100	12	9.42
	125	15	11.8
	150	18	14.1
	180	21.6	17
	200	24	18.8
	230	27.6	21.7
	250	30	23.6
	280	33.6	26.4
	300	36	28.3
16	32	5.12	4.02
	38	6.08	4.77
	44	7.04	5.53
	50	8	6.28
	65	10.4	8.16
	75	12	9.42
	90	14.4	11.3
	100	16	12.6
	125	20	15.7
	150	24	18.8
	180	28.8	22.6
	200	32	25.1
	230	36.8	28.9
	250	40	31.4
	280	44.8	35.2
	300	48	37.7

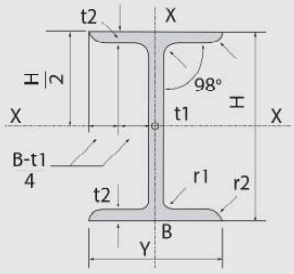
STANDARD SECTIONAL DIMENSION		SECTIONAL AREA CM²	UNIT WEIGHT KG./M.
Thickness mm.	Width mm.		
19	38	7.22	5.67
	44	8.36	6.56
	50	9.5	7.46
	65	12.35	9.69
	75	14.25	11.2
	90	17.1	13.4
	100	19	14.9
	125	23.75	18.6
	150	28.5	22.4
	180	34.2	26.8
	200	38	29.8
	230	43.7	34.3
	250	47.5	37.3
	280	53.2	41.8
	300	57	44.7
22	50	11	8.64
	65	14.3	11.2
	75	16.5	13
	90	19.8	15.5
	100	22	17.3
	125	27.5	21.6
	150	33	25.9
	180	39.6	31.1
	200	44	34.5
	230	50.6	39.7
	250	55	43.2
	280	61.6	48.4
	300	66	51.8
25	50	12.5	9.81
	65	16.25	12.8
	75	18.75	14.7
	90	22.5	17.7
	100	25	19.6
	125	31.25	24.5
	150	37.5	29.4
	1180	45	35.3
	200	50	39.2
	230	57.5	45.1
	250	62.5	49.1
	280	70	55
	300	75	58.9

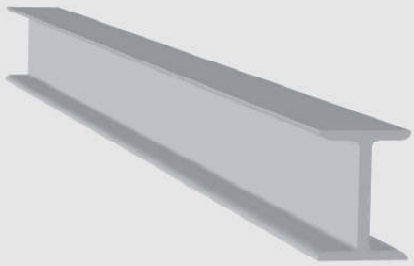
STANDARD SECTIONAL DIMENSION		SECTIONAL AREA CM²	UNIT WEIGHT KG./M.
Thickness mm.	Width mm.		
28	100	28	22
	125	35	27.5
	150	42	33
	180	50.4	39.6
	200	56	44
	230	64.4	50.6
	250	70	55
	280	78.4	61.5
	300	84	65.9
32	100	32	25.1
	125	40	31.4
	150	48	37.7
	180	57.6	45.2
	200	64	50.2
	130	73.6	57.8
	250	80	62.8
	280	89.6	70.3
	300	96	75.4
36	100	36	28.3
	125	45	35.3
	150	54	42.4
	180	64.8	50.9
	200	72	56.5
	130	82.8	65
	250	90	70.6
	280	100.8	79.1
	300	108	84.8

8. I-BEAM (IB)
เหล็กไอบีม



PRODUCT IN 3D



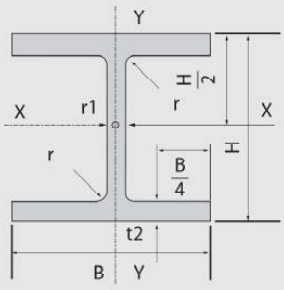


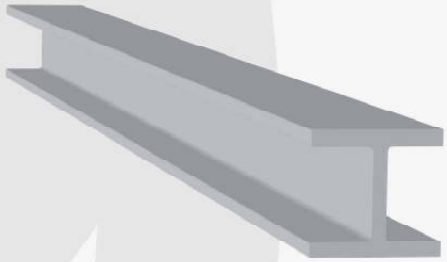
STANDARD SECTIONAL DIMENSION (MM.)					SECTIONAL AREA (Cm^2)	WEIGHT (Kg./m.)
H x B	t_1	t_2	r_1	r_2		
100x75	5	8	7	3.5	16.43	12.9
125x75	5.5	9.5	9	4.5	20.45	16.1
150x75	5.5	9.5	9	4.5	21.83	17.1
150x125	8.5	14	13	6.5	46.15	36.2
180x100	6	10	10	5	30.06	23.6
200x100	7	10	10	5	33.06	26
200x150	9	16	15	7.5	64.16	50.4
250x125	7.5	12.5	12	6	48.79	38.3
	10	19	21	10.5	70.73	55.5
300x150	8	13	12	6	61.58	48.3
	10	18.5	19	9.5	83.47	65.5
	11.5	22	23	11.5	97.88	76.8
350x150	9	15	13	6.5	74.58	58.5
	12	24	25	12.5	111.1	87.2
400x150	10	18	17	8.5	91.73	72
	12.5	25	27	13.5	122.1	95.8
450x175	11	20	19	9.5	116.8	91.7
	13	26	27	13.5	146.1	115
600x190	13	25	25	12.5	169.4	133
	16	35	38	19	224.5	176

9. H-BEAM (HB)
เหล็กเอชบีม



PRODUCT IN 3D





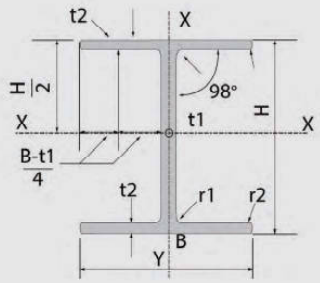
STANDARD SECTIONAL DIMENSION (MM.)				WEIGHT		SECTIONAL AREA (CM^2)
H x B	t_1	t_2	r	kg/m	kg/6m	
100x100	6.0	8	10	17.2	103.20	21.90
125x125	6.5	9	10	23.8	142.80	30.31
150x150	7.0	10	11	31.5	189.00	40.14
175x175	7.5	11	12	40.2	241.20	51.21
200x200	8.0	12	13	49.9	299.40	63.53
250x250	9.0	14	16	72.4	434.40	92.18
300x300	10.0	15	18	94.0	564.00	119.80
350x350	12.0	19	20	137.0	822.00	173.90
400x400	13.0	21	22	172.0	1032.00	218.70

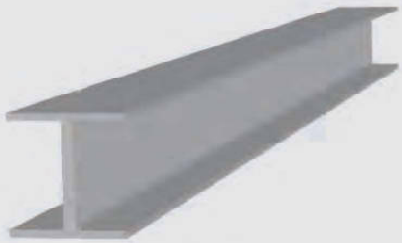
10. WIDE FLANGE (WF)
เหล็กไวด์แฟรงค์



STANDARD SECTIONAL DIMENSION (MM.)				WEIGHT		SECTIONAL AREA (CM^2)
H x B	t_1	t_2	r	kg/m	kg/6m	
100x50	5.0	7	8	9.3	55.80	11.85
150x75	5.0	7	8	14.0	84.00	17.85
148x100	6.0	9	11	21.1	126.60	26.84
200x100	5.5	8	11	21.3	127.80	27.16
194x150	6.0	9	13	30.6	183.60	39.01
250x125	6.0	9	12	29.6	177.60	37.66
244x175	7.0	11	16	44.1	264.60	56.24
300x150	6.5	9	13	36.7	220.20	46.78
294x200	8.0	12	18	56.8	340.80	72.38
350x175	7.0	11	14	49.6	297.60	63.14
340x250	9.0	14	20	79.7	478.20	101.50
400x200	8.0	13	16	66.0	396.00	84.12
390x300	10.0	16	22	107.0	642.00	136.00
450x200	9.0	14	18	76.0	456.00	96.76
440x300	11.0	18	24	124.0	744.00	157.40
500x200	10.0	16	20	89.6	537.60	114.20
488x300	11.0	18	26	128.0	768.00	163.50
600x200	11.0	17	22	106.0	636.00	134.40
588x300	12.0	20	28	151.0	906.00	192.50
594x302	14.0	23	28	175.0	1050.00	222.40
700x300	13.0	24	28	185.0	1110.00	235.50
800x300	14.0	26	28	210.0	1260.00	267.40
900x300	16.0	28	28	243.0	1458.00	309.80

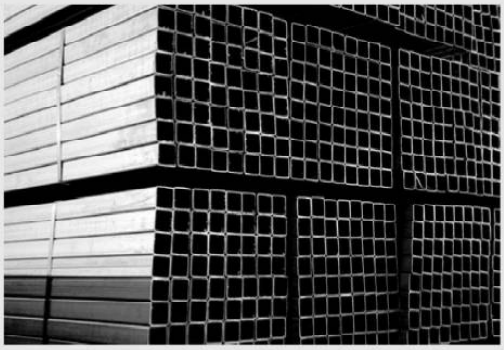
PRODUCT IN 3D



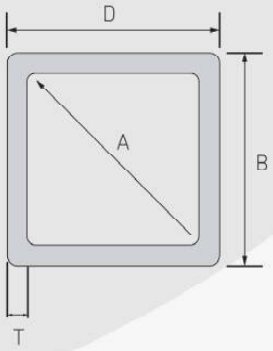


11. SQUARE TUBE
เหล็กท่อเหลี่ยม / เหล็กกล่อง





PRODUCT IN 3D

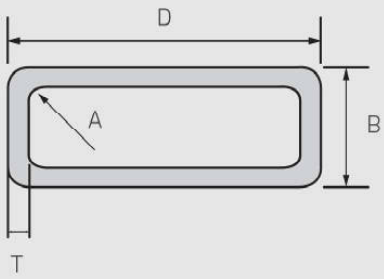


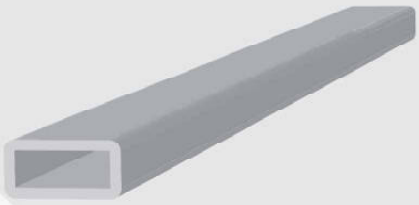
SIDE LENGTH		THICKNESS	SECTIONAL AREA	CALCULATE WEIGHT
D x B		T	A	W
in.	mm.	mm.	cm^2	kg./m.
1x1	25x25	2	1.74	1.36
		2.3	1.97	1.53
		2.6	2.1	1.65
		3.2	2.44	1.91
1 1/4x1 1/4	32x32	2.3	2.6	2.04
		3.2	3.42	2.69
1 1/2x1 1/2	38x38	2.3	3.15	2.47
		3.2	4.19	3.29
2x2	50x50	1.6	3.03	2.38
		2	3.7	2.91
		2.3	4.25	3.34
		3.2	5.73	4.5
		3.6	6.24	4.9
		4	6.81	5.35
		5	8.14	6.39
2 3/8x2 3/8	60x60	2.3	5.17	4.06
		3.2	7.01	5.5
		4	8.55	6.71
3x3	75x75	2.3	6.55	5.14
		3.2	8.93	7.01
		4	10.95	8.59
		4.5	12.17	9.55
3 1/2x3 1/2	90x90	3.2	10.85	8.51
		4	13.35	10.48
		4.5	14.87	11.67
4x4	100x100	2.3	8.85	6.95
		3.2	12.13	9.52
		4	14.95	11.7
		4.5	16.67	13.1
		6	21.63	17
5x5	125x125	3.2	15.33	12
		4.5	21.17	16.6
		5	23.36	18.3
		6	27.63	21.7
6x6	150x150	4.5	25.67	20.1
		5	28.36	22.3
		6	33.63	26.4
		6.3	34.8	27.4
7x7	175x175	4.5	30.17	23.7
		6	39.63	31.1
8x8	200x200	6	45.63	35.8
		8	59.79	46.9
		9	66.67	52.3
10x10	250x250	6	57.63	45.2
		8	75.79	59.2
		9	84.67	66.5
12x12	300x300	6	69.63	54.7
		9	102.7	80.6
		12	134.5	106
14x14	350x350	9	120.7	94.7
		12	158.5	124

12. RECTANGULAR TUBE
เหล็กท่อแบน



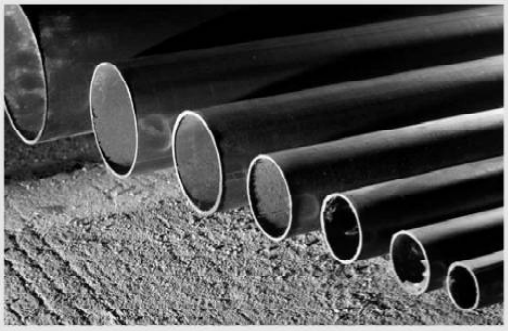
PRODUCT IN 3D





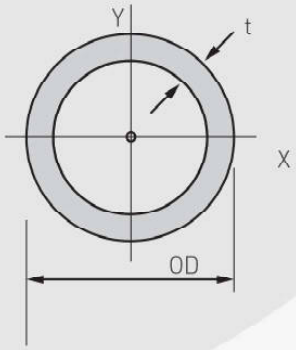
SIDE LENGTH		THICKNESS	SECTIONAL AREA	CALCULATE WEIGHT
D x B		T	A	W
in.	mm.	mm.	cm^2	kg./m.
2x1	50x25	2	2.7	2.12
		2.3	3.1	2.44
		3.2	4.13	3.24
		3.6	4.44	3.48
2 3/8x1 1/4	60x30	2.3	3.79	2.98
		3.2	5.09	3.99
3x1 1/2	75x38	2.3	4.85	3.81
		3.2	6.559	5.15
3x1 3/4	75x45	1.6	3.67	2.88
		2.3	5.17	4.06
		3.2	7.01	5.5
3 1/2x1 3/4	90x45	2.3	5.86	4.6
		3.2	7.97	6.25
4x2	100x50	2	5.7	4.48
		2.3	6.55	5.14
		3.2	8.93	7.01
		3.6	9.84	7.72
		4	10.95	8.59
5x2	125x50	4.5	12.17	9.55
		3.2	10.53	8.26
		4	12.95	10.2
		4.5	14.42	11.3
5x3	125x75	2.3	8.85	6.95
		3.2	12.13	9.52
		4	14.95	11.7
		4.5	16.67	13.1
		6	21.63	17
6x2	150x50	3.2	12.13	9.63
		4.5	17.03	13.5
		6.3	22.84	18.77
6x4	150x100	4.5	21.17	16.6
		6	27.63	21.7
8x4	200x100	4.5	25.67	20.1
		6	33.63	26.4
		6.3	34.8	27.4

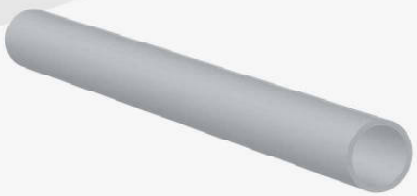
13. CARBON STEEL PIPE
เหล็กท่อดำ





PRODUCT IN 3D



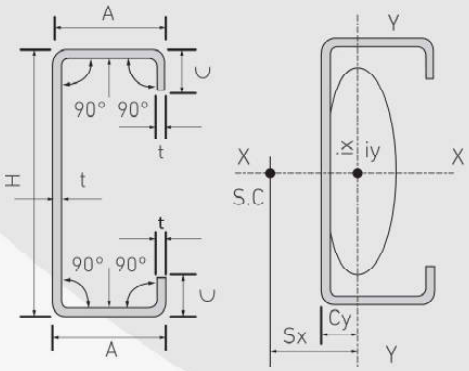


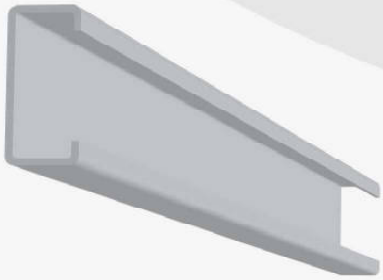
NOMINAL DIMESION		OUTSIDE DIAMETER	THICKNESS	SECTIONAL AREA	CALCULATE WEIGHT
DN		OD	T	A	W
DN	in.	mm.	mm.	cm^2	kg./m.
15	1/2	21.7	2	1.24	0.97
20	3/4	27.2	2.3	1.58	1.24
			2.3	1.8	1.41
25	1	34	2.3	2.29	1.8
32	1 1/4	42.7	2.3	2.92	2.29
			2.5	3.16	2.48
40	1 1/2	48.6	2.3	3.35	2.63
			2.5	3.62	2.84
			2.8	4.03	3.16
			3.2	4.56	3.58
50	2	60.5	2.3	4.21	3.3
			3.2	5.76	4.52
			4	7.1	5.57
65	2 1/2	76.3	2.8	6.47	5.08
			3.2	7.35	5.77
			4	9.09	7.13
80	3	89.1	2.8	7.59	5.96
			3.2	8.64	6.78
			4	10.69	8.39
90	3 1/2	101.6	3.2	9.89	7.76
			4	12.26	9.63
100	4	114.3	3.2	11.17	8.77
			3.5	12.18	9.58
			4.5	15.52	12.2
125	5	139.8	3.6	15.4	12.1
			4	17.07	13.4
			4.5	19.13	15
			6	25.22	19.8
150	6	165.2	4.5	22.72	17.8
			5	25.16	19.8
			6	30.01	23.6
			7.1	35.26	27.7
175	7	190.7	5	22.9	29.17
			7	31.7	40.4
200	8	216.3	4.5	29.94	23.5
			5.8	38.36	30.1
			6	39.61	31.1
			7	46.03	36.1
			8	52.35	41.1
			8.2	53.61	42.1

14. C-BAR (LIGHT LIP CHANNEL)
เหล็กตัวซี



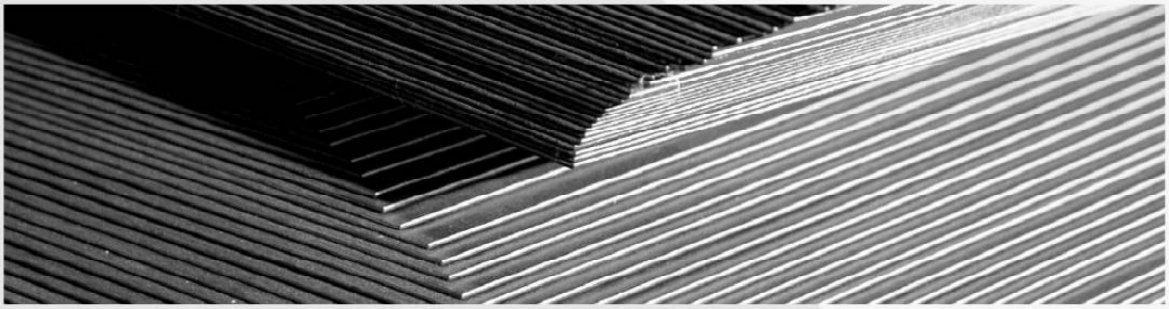
PRODUCT IN 3D





DIMENSION MM.		SECTIONAL AREA CM^2	WEIGHT KG. / M.
H x A x C	T	A	
250x75x25	4.5	18.92	14.9
200x75x25	4.5	16.67	13.1
	4	14.95	11.7
	3.2	12.13	9.52
200x75x20	4.5	16.22	12.7
	4	14.55	11.4
	3.2	11.81	9.27
150x75x25	4.5	14.42	11.3
	4	12.95	10.2
	3.2	10.53	8.27
150x75x20	4.5	13.97	11
	4	12.55	9.85
	3.2	10.21	8.01
150x65x20	4	11.75	9.22
	3.2	9.567	7.51
	2.3	7.012	5.5
150X50X20	4.5	11.72	9.2
	3.2	8.607	6.76
	2.3	6.322	4.96
125x50x20	4.5	10.59	8.32
	4	9.548	7.5
	3.2	7.807	6.13
	2.3	5.747	4.51
120x60x25	4.5	11.72	9.2
120x60x20	3.2	8.287	6.51
	2.3	6.092	4.78
120x40x20	3.2	7.007	5.5
100x50x20	4.5	9.469	7.43
	4	8.548	6.71
	3.2	7.007	5.5
	2.8	6.205	4.87
	2.3	5.172	4.06
	2	4.537	3.56
	1.6	3.672	2.88
90x45x20	3.2	6.367	5
	2.3	4.712	3.7
	1.6	3.352	2.63
75x45x15	2.3	4.137	3.25
	2	3.637	2.86
	1.6	2.952	2.32
75x35x15	2.3	3.677	2.89
70x40x25	1.6	3.032	2.38
60x30x10	2.3	2.872	2.25
	2	2.537	1.99
	1.6	2.072	1.63

15. HOT ROLLED STEEL PLATE
เหล็กแผ่นดำ



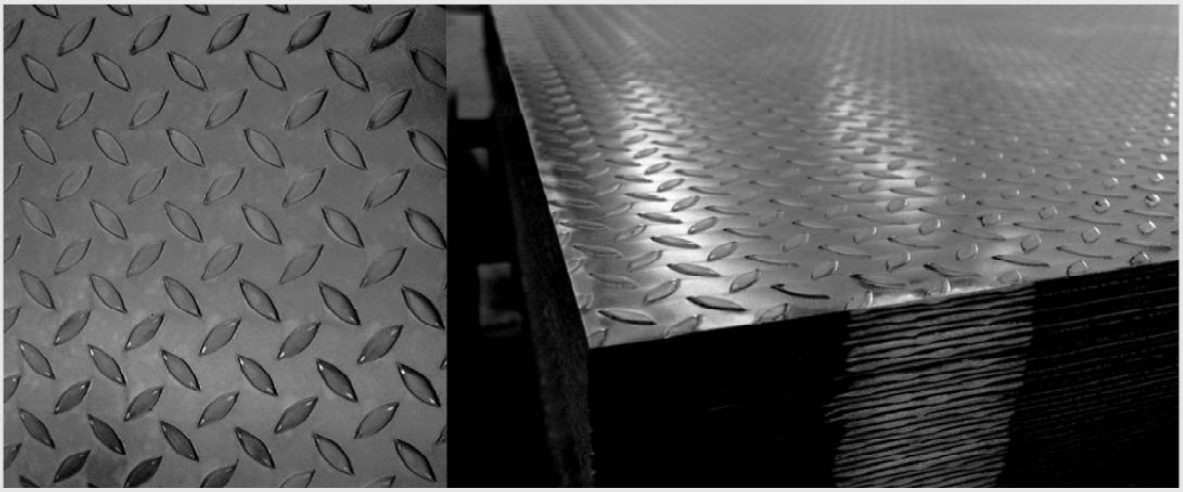
PRODUCT IN 3D



THICKNESS mm.	WEIGHT (KG.)				
	4' x 8'	5' x 10'	5' x 20'	6' x 20'	8' x 20'
	1,219x2,438 mm.	1,524x3,048 mm.	1,524x6,096 mm.	1,829x6,096 mm.	2,438x6,096 mm.
1.20	28.0	43.8	87.6	105.1	140.2
1.40	32.7	51.1	102.2	122.6	163.5
1.50	35.0	54.8	109.5	131.4	175.2
1.60	37.4	58.4	116.8	140.2	186.9
1.80	42.1	65.7	131.4	157.7	210.2
2.00	46.7	73.0	146.0	175.2	233.6
2.30	53.7	84.0	167.9	201.5	268.6
2.50	58.4	91.3	182.5	219.0	292.0
2.80	65.4	102.2	204.4	245.3	327.0
3.00	70.1	109.5	219.0	262.8	350.0
3.20	74.8	116.8	233.6	280.0	373.8
3.50	81.8	172.8	255.5	306.6	408.8
4.00	93.4	146.0	292.0	350.4	467.2
4.50	105.1	164.3	328.5	394.2	525.6
5.00	116.8	182.5	365.0	438.0	584.0
5.50	128.5	200.8	401.5	481.8	642.4
6.00	140.2	219.0	438.0	525.6	700.8
7.00	183.5	255.5	511.0	613.2	817.6
8.00	186.9	292.0	584.0	700.8	934.4
9.00	210.0	328.5	657.0	788.4	1,051.2
10.00	233.6	365.0	730.0	876.0	1,168.0
11.00	257.0	401.5	903.0	963.6	1,284.8
12.00	280.3	438.0	876.0	1,051.2	1,401.6
12.70	296.7	463.6	927.1	1,112.5	1,483.4
13.00	303.7	474.5	949.0	1,138.8	1,518.4
14.00	327.0	511.0	1,022.0	1,226.4	1,635.2
15.00	350.4	547.5	1,095.0	1,314.0	1,752.0

THICKNESS mm.	WEIGHT (KG.)				
	4' x 8'	5' x 10'	5' x 20'	6' x 20'	8' x 20'
	1,219x2,438 mm.	1,524x3,048 mm.	1,524x6,096 mm.	1,829x6,096 mm.	2,438x6,096 mm.
16.0	373.8	584.0	1,168.0	1,401.6	1,868.8
19.00	433.8	693.5	1,387.0	1,664.4	2,219.2
20.00	467.2	730.0	1,460.0	1,725.0	2,336.0
22.00	513.9	803.0	1,606.0	1,927.2	2,579.6
25.00	548.0	912.5	1,825.0	2,190.0	2,920.0
28.00	654.1	1,022.1	2,044.0	2,452.8	3,270.4
30.00	700.8	1,095.0	2,190.0	2,628.0	3,504.0
32.00	747.5	1,168.0	2,336.0	2,803.2	3,737.6
34.00	794.2	1,241.0	2,482.0	2,978.4	3,971.2
35.00	817.6	1,277.5	2,555.0	3,066.0	4,088.0
36.00	841.0	1,314.0	2,628.0	3,153.6	4,204.8
38.00	887.7	1,387.0	2,774.0	3,328.8	4,438.4
40.00	934.4	1,460.0	2,920.0	3,504.0	4,672.0

16. CHECKERED PLATES
เหล็กแผ่นลาย



PRODUCT IN 3D

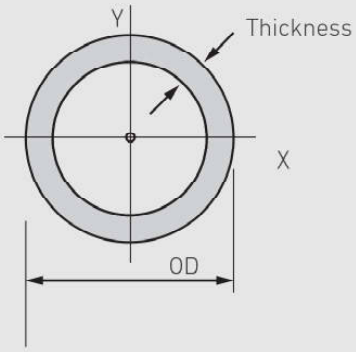


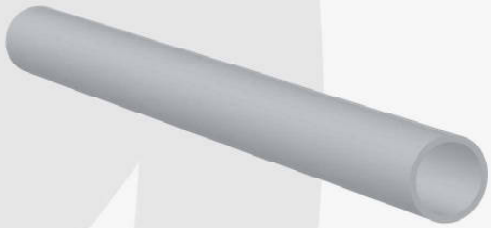
THICKNESS	WEIGHT KG/M²	WIDTH AND LENGTH, MM. (FIGURES IN THE LOWER E.G.3X6 ARE NOMINAL SIZES IN FEET.)							
		914X1829	914X3658	1219X2438	1219X3048	1219X4877	1219X6096	1524X3048	1524X6096
mm.		(3X6)	(3X12)	(4X8)	(4X10)	(4X16)	(4X20)	(5X10)	(5X200)
2.3	19.73	33	66	58.6	73.3	177	-	-	-
3.2	26.79	44.8	89.6	79.6	99.6	159	199	-	-
4.5	36.99	61.8	124	110	137	220	275	172	344
6	48.77	81.5	163	145	181	290	362	227	453
8	64.47	108	216	192	240	383	479	299	599
9	72.32	121	242	215	269	430	537	336	672
10	80.17	134	268	238	298	477	596	372	745

17. GALVANIZED STEEL PIPE
เหล็กท่อกลมกัลวาไนซ์



PRODUCT IN 3D



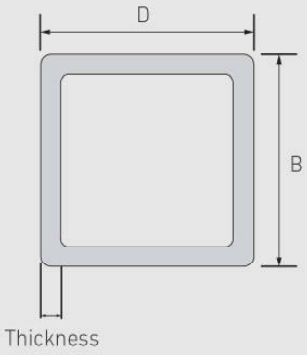


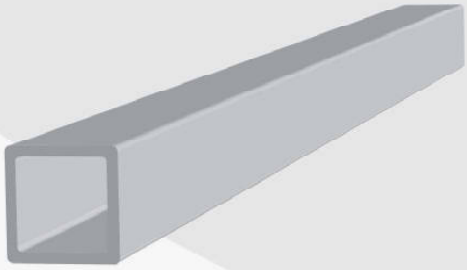
GALVANIZED STEEL PIPE			
DIAMETER		THICKNESS (mm.)	WEIGHT (kg.)
in.	o.d.		
3/4"	27.2	1.35	5.1
		1.4	5.2
1"	34	1.35	5.8
1.1/4"	42.7	1.35	8.0
1.1/2"	48.6	1.4	9.4
		1.7	11.5
		1.9	12.9
		2.6	19.0
		2.9	18.6
2"	60.5	1.35	11.6
		1.9	16.0
4"	114.3	1.7	27.8

18. GALVANIZED SQUARE TUBE
เหล็กท่อเหลี่ยม/เหล็กกล่องกัลวาไนซ์



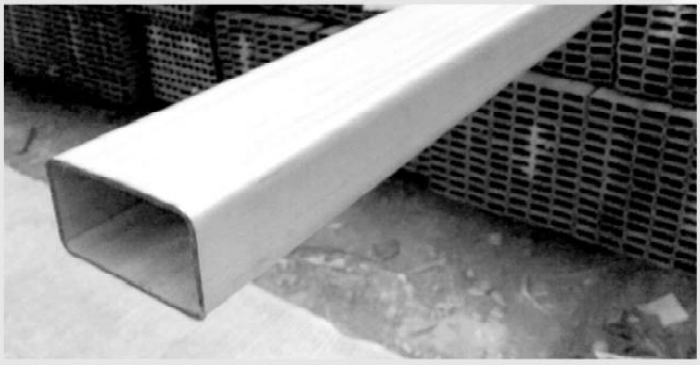
PRODUCT IN 3D



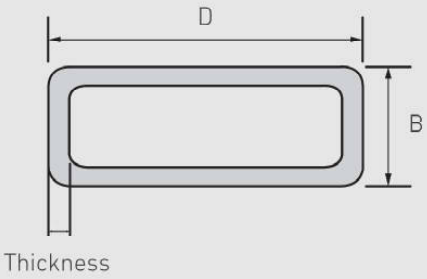


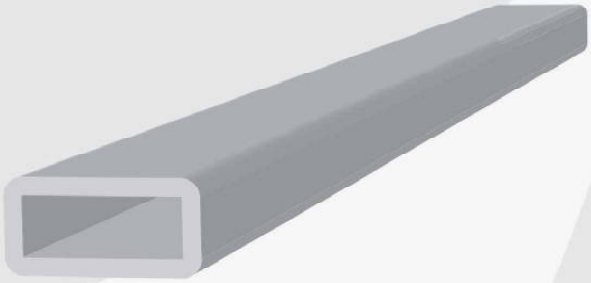
GALVANIZED SQUARE TUBE			
DxB		THICKNESS (mm.)	WEIGHT (kg.)
in.	mm.		
3/4x3/4	19x19	1.0	3.2
		1.2	3.8
		1.4	4.3
1x1	25x25	1.2	4.8
		1.35	5.3
		1.4	5.6
		1.6	6.1
		1.7	6.5
		1.9	7.2
		2.1	7.8
11/4x1 1/4	32x32	1.1	5.9
		1.2	6.4
		1.4	7.4
		1.7	9.0
		1.9	10.0
		2.1	10.8
11/2x1 1/2	38x38	1.2	8.0
		1.35	9.0
		1.4	9.1
		1.7	11.1
		1.9	12.5
		2.1	13.8
2x2	50x50	1.2	10.5
		1.35	12.0
		1.4	12.3
		1.6	13.9
		1.7	15.2
		1.9	16.7
		2.1	18.5
		2.6	22.5
		2.9	25.0
3x3	75x75	1.7	22.8
4x4	100x100	1.7	31.5
		1.9	34.6
		2.1	38.5

19. GALVANIZED RECTANGULAR TUBE
เหล็กท่อแบนกัลวาไนซ์



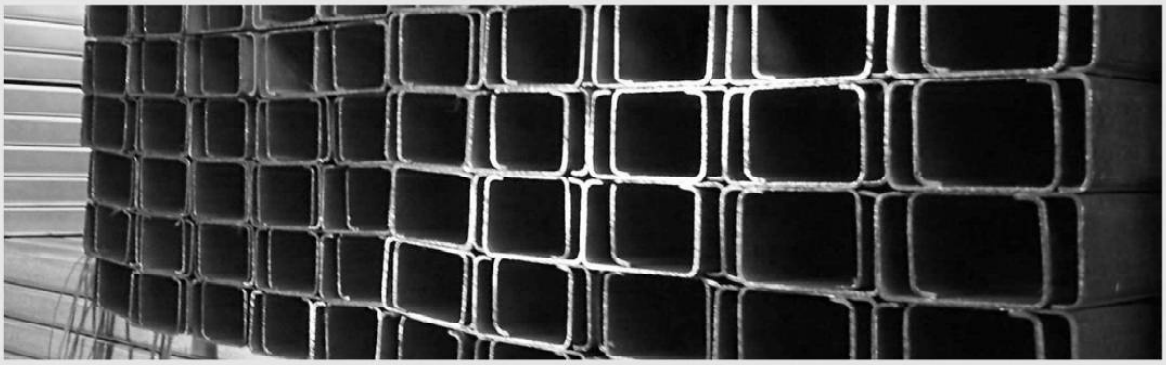
PRODUCT IN 3D



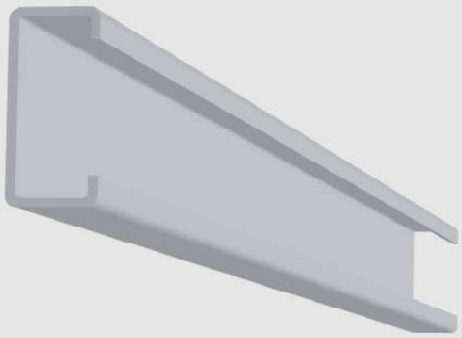


GALVANIZED RECTANGULAR TUBE			
DxB		THICKNESS (mm.)	WEIGHT (kg.)
in.	mm.		
2x1	50x25	1.0	6.6
		1.1	7.3
		1.2	8.0
		1.35	9.0
		1.4	9.5
		1.6	10.4
		1.7	11.2
		1.9	12.4
		2.1	13.8
		2.6	17.0
3x1 1/2	75x38	1.1	11.2
		1.2	12.1
		1.35	13.7
		1.4	14.3
		1.6	16.0
		1.7	17.0
		1.9	18.8
		2.1	21.2
		2.6	25.8
		2.9	29.0
4x2	100x50	1.1	15.3
		1.2	16.6
		1.35	18.8
		1.4	18.7
		1.7	23.2
		1.9	25.6

20. GALVANIZED C-BAR
เหล็กตัวซีกัลวาไนซ์



PRODUCT IN 3D



GALVANIZED C-BAR		
DIMENSIONS (mm.)	THICKNESS (mm.)	WEIGHT (kg.)
75x45x15	1.6	11.5
	2.0	15.9
	2.3	17.2
100x50x20	1.6	14.2
	2.0	19.3
	2.3	21.0
	2.6	26.5
	3.2	29.6
125x50x20	2.3	23.6
	3.2	33.4
150x50x20	2.3	26.5
	3.2	36.7

21. ROUND BAR IN COIL
เหล็กเส้นม้วน (เส้นกลม)



PRODUCT IN 3D



SR 24				
NAME	DIAMETER (mm.)	CIRCUMFERENCE (mm.)	CROSS SECTION AREA (sq.mm.)	WEIGHT (Tons/ Coil)
RB 6	6	18.9	28.3	2.0
RB 9	9	28.3	63.6	2.0

22. DEFORM BAR IN COIL
เหล็กเส้นม้วน (ข้ออ้อย)



PRODUCT IN 3D

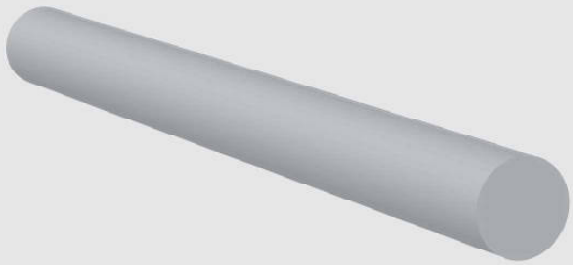


SD 40				
NAME	DIAMETER (mm.)	CIRCUMFERENCE (mm.)	CROSS SECTION AREA (sq.mm.)	WEIGHT (Tons/ Coil)
DB 12	12	37.7	113.1	2.0

23. COLD DRAWN BAR
เหล็กเพลาขาว



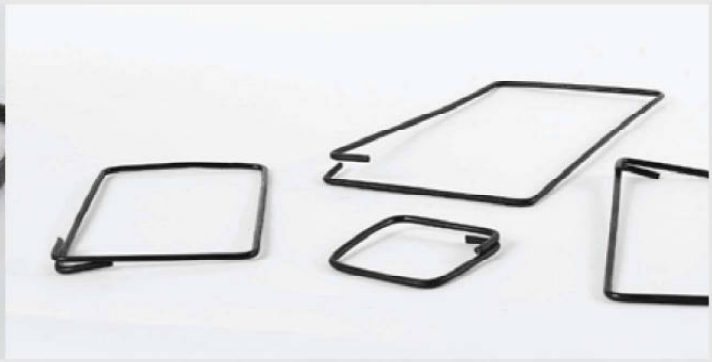
PRODUCT IN 3D



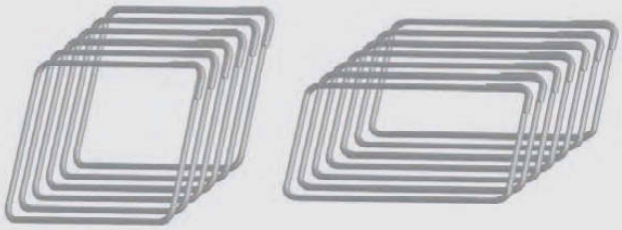
COLD DRAWN BAR		
in	mm.	WEIGHT kg./m.
1/16	4.76	0.14
1/4	6.35	0.25
5/16	7.94	0.39
3/8	9.35	0.56
7/16	11.11	0.76
1/2	12.7	1.00
5/8	15.88	1.55
3/4	19.05	2.24
7/8	22.23	3.05
1	25.4	3.98
1 1/8	28.58	5.03
1 1/4	31.75	6.21
1 3/8	34.93	7.52
1 1/2	38.1	8.95
1 5/8	41.28	10.50
1 3/4	44.45	12.20
2	50.8	15.90
2 1/4	57.15	20.10
2 1/2	63.5	24.90
3	76.2	35.80
3 1/4	82.55	42.00
3 1/2	88.9	49.00
4	101.6	63.70

24. STIRRUP
เหล็กปลอกเสา





PRODUCT IN 3D



SIZE	WEIGHT OF THICKNESS (KG.)				
(cm.)	5.5 mm.	6 mm. SR24	6.5 mm.	7 mm.	9 mm. SR24
10x10	0.08	0.10	0.12	0.14	0.22
10x15	0.10	0.12	0.14	0.17	0.27
10x20	0.12	0.14	0.17	0.20	0.32
10x25	0.14	0.17	0.20	0.23	0.37
10x30	0.16	0.19	0.22	0.26	0.42
10x35	0.18	0.21	0.25	0.29	0.47
15x15	0.12	0.14	0.17	0.20	0.32
15x20	0.14	0.17	0.20	0.23	0.37
15x25	0.16	0.19	0.22	0.26	0.42
15x30	0.18	0.21	0.25	0.29	0.47
15x35	0.20	0.23	0.27	0.32	0.52
15x45	0.23	0.28	0.33	0.38	0.62
15x55	0.27	0.32	0.38	0.44	0.72
20x20	0.16	0.19	0.22	0.26	0.42
20x40	0.23	0.28	0.33	0.38	0.62
20x45	0.25	0.30	0.35	0.41	0.67
25x25	0.20	0.23	0.27	0.32	0.52
25x55	0.31	0.37	0.43	0.50	0.82
30x60	0.35	0.41	0.48	0.56	0.92
50x75	0.48	0.57	0.66	0.77	1.27