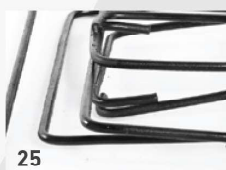
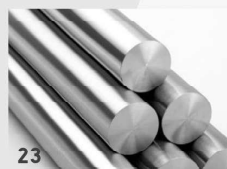
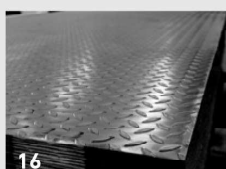
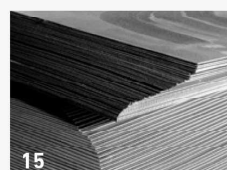
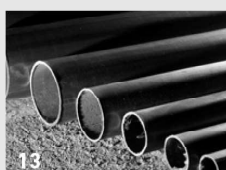
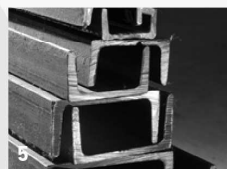


PRODUCTS

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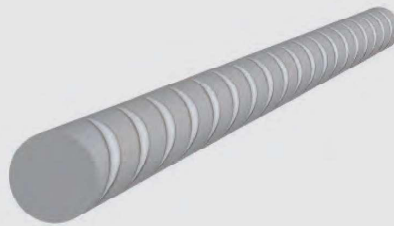
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1. DEFORMED BAR (DB) เหล็กข้ออ้อย

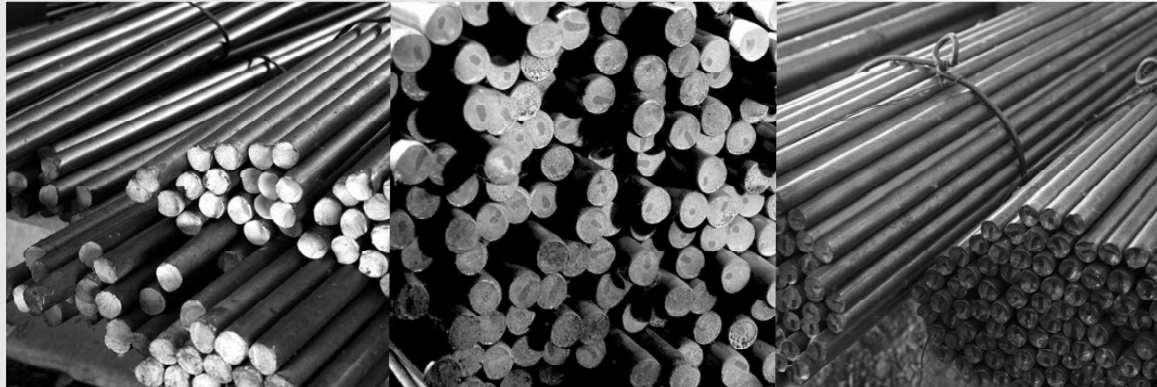


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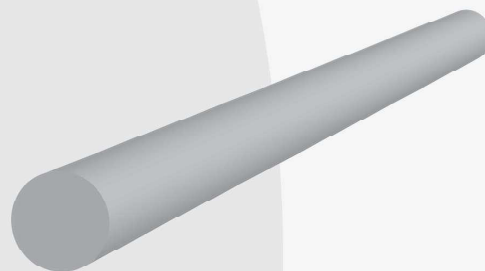
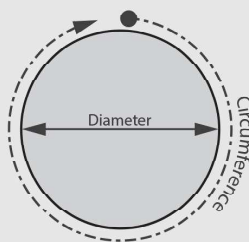


NAME	DIAMETER (MM.)	CIRCUMFERENCE (MM.)	CROSS SECTION AREA (SQ.MM.)	WEIGHT (KG/M.)
DB 10	10	31.4	78.54	0.616
DB 12	12	37.7	113.1	0.888
DB 16	16	50.3	201.1	1.578
DB 20	20	62.9	314.2	2.466
DB 25	25	78.6	490.9	3.853
DB 28	28	88.8	615.8	4.834
DB 32	32	100.5	804.2	6.313

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 ขึ้นคุณภาพ	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 Max. Kg./mm2Max. Kg./mm2	24.000 -	23.000 -	40.000 -	50.000 -	24.000 -	30.000 -	40.000 52.000	50.000 64.000	25.480 -	46.890 -	28.120 -	42.180 -	52.730 -	
Tensile Strength ความต้านทานแรงดึงที่จุดคราก Min. Kg./mm2Min. Kg./mm2 Max. Kg./mm2Max. Kg./mm2	39 -	49 -	57 -	63 -	39 53.000	45 61.000	57 -	63 -	Greater than the actual yeild strength		49.22 -	63.28 -	70.31 -	
Min. Elongation ความยืดไม่น้อยกว่า (%) For All Sizes Various Sizes :- Dia. 6 - 10 mm. Dia. 13 - 19 mm. Dia. 22 - 25 mm. Dia. 28 - 51 mm. Guage Length L.	21% - - - - 5d	17% - - - - 5d	15% - - - - 5d	13% - - - - 5d	20, 24% - - - - 8d, 4d	16, 18% - - - - 8d, 4d	16, 18% - - - - 8d, 4d	12, 14% - - - - 8d, 4d	22% - - - - 5d	12% - - - - 5d	- 11% 12% - - 8 inch	- 9% 9% 8% 7% 8 inch	- - 7% 6% 8 inch	
Cold Bend Test การดัดโค้งเย็น For All Sizes Various Sizes :- Dia. 6 - 16 mm. Dia. 19 - 25 mm. Dia. 28 - 36 mm. Dia. 38 - 41 mm. 51 mm. Bend Angle (degree*) Bebend Test	1.5d - - - - 180 -	- 3d 4d 4d 4d 180 -	5d - 6d 6d 6d 180 -	- 5d - - - 90 -	1.5d - - - - 180 -	- 1.5d 2d 2d 4d 180 -	2.5d - - 3d 3d 180 -	- 2.5d - - - 90 -	2d - - - - 180 2d	3d - - - - 180 5d	- 3.5d 5d 7d (9d) (9d) 180 -	- 3.5d 5d 7d (9d) (9d) 180(90) -	- 5d 7d (9d) (9d) 180(90) -	

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 (mm ²). พื้นที่ภาคตัดขวาง (มม. ² .)	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

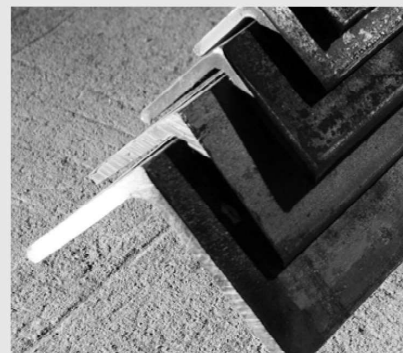


INDUSTRIAL STANDARD มาตรฐานอุตสาหกรรม	THAI ไทย				JAPANESE ญี่ปุ่น			
LOW CARBON STEEL WIRE RODS เหล็กลวดคาร์บอนต่ำ	TIS. 348 - 2540 มอก. 348 - 2540				JIS. G 3505 (1997)			
GRADE ชั้นคุณภาพ	SWRM 6	SWRM 8	SWRM 10	SWRM 12	SWRM 15	SWRM 17	SWRM 20	SWRM 22
Chemical Composition (%) ส่วนประกอบทางเคมี (เปอร์เซ็นต์)								
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 - 0.60	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 max.	0.040 max.	0.040 max.	0.040 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 - of - round ความเยื้อง (มม.) Dia. 5.5 - 19 16 - 19	0.64 max. 0.80 max.							

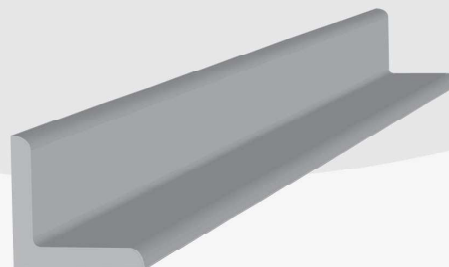
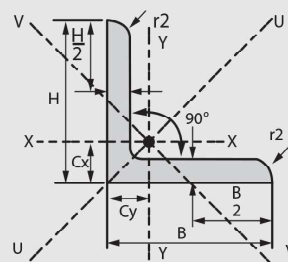
4. ANGLE BAR (AB)

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



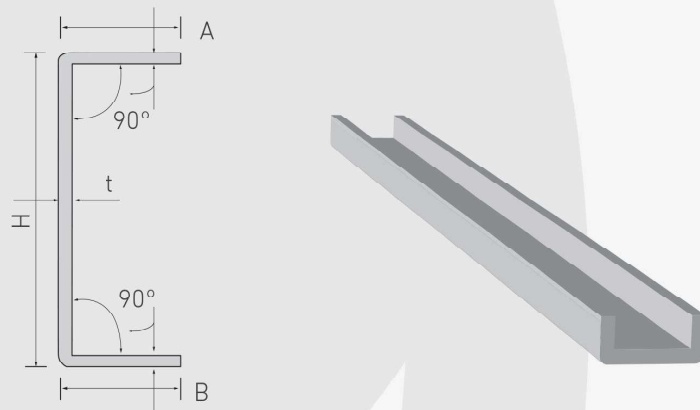
PRODUCT IN 3D



5. CHANNEL BAR (CB) เหล็กรางน้ำ



PRODUCT IN 3D

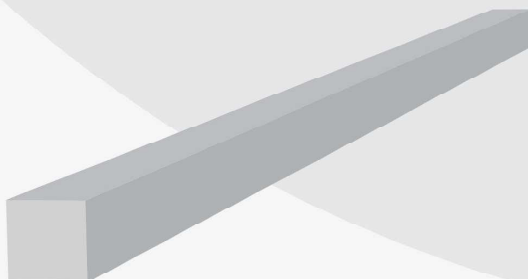
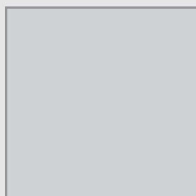


STANDARD SECTIONAL DIMENSION (MM.)					SECTIONAL AREA (CM ²)	UNIT WEIGHT (KG./M.)
H x B	t ₁	t ₂	r ₁	r ₂		
50x25	5	6	6	3	4.92	3.86
75x40	5	7	8	4	8.818	6.92
100x50	5	7.5	8	4	11.92	9.36
125x65	6	8	8	4	17.11	13.4
150x75	6.5	10	10	5	23.71	18.6
	9	12.5	15	7.5	30.59	24
180x75	7	10.5	11	5.5	27.2	21.4
200x80	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

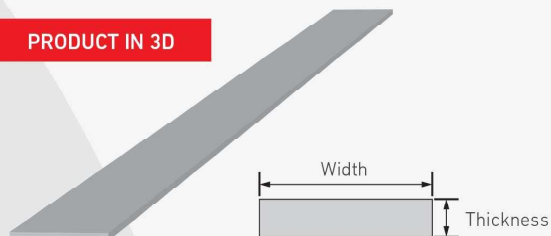


SIZE ขนาด	WEIGHT น้ำหนัก	
mm.	1 M.	6 M.
10.0	0.80	4.80
12.0	1.12	6.72
16.0	2.00	12.00
19.0	2.83	16.98
25.0	4.83	28.98
32.0	8.00	48.00
38.0	11.33	67.98
50.0	19.67	118.02
65.0	33.17	199.02
75.0	44.17	265.02

7. FLAT BAR (FB) เหล็กแบน



PRODUCT IN 3D

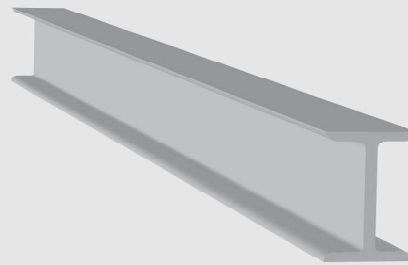
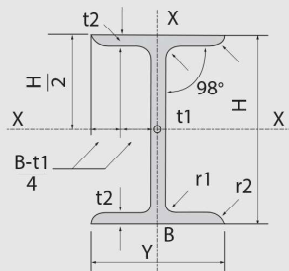


STANDARD SECTIONAL DIMENSION		SECTIONAL AREA CM²	UNIT WEIGHT KG./M.	STANDARD SECTIONAL DIMENSION		SECTIONAL AREA CM²	UNIT WEIGHT KG./M.	STANDARD SECTIONAL DIMENSION		SECTIONAL AREA CM²	UNIT WEIGHT KG./M.	STANDARD SECTIONAL DIMENSION		SECTIONAL AREA CM²	UNIT WEIGHT KG./M.					
Thickness mm.	Width mm.			Thickness mm.	Width mm.			Thickness mm.	Width mm.			Thickness mm.	Width mm.							
4.5	25	1.125	0.88	12	25	3	2.36	19	38	7.22	5.67	28	100	28	22					
	32	1.44	1.13		32	3.81	3.01		44	8.36	6.56		125	35	27.5					
	38	1.71	1.34		38	4.56	3.58		50	9.5	7.46		150	42	33					
	44	1.98	1.55		44	5.28	4.14		65	12.35	9.69		180	50.4	39.6					
	50	2.25	1.77		50	6	4.71		75	14.25	11.2		200	56	44					
6	25	1.5	1.18	65	7.8	6.12	90	17.1	13.4	230	64.4	50.6	32	100	32	25.1				
	32	1.92	1.51	75	9	7.06	100	19	14.9	250	70	55		125	40	31.4				
	38	2.28	1.79	90	10.8	8.48	125	23.75	18.6	280	78.4	61.5		150	48	37.7				
	44	2.64	2.07	100	12	9.42	150	28.5	22.4	300	84	65.9		180	57.6	45.2				
	50	3	2.36	125	15	11.8	180	34.2	26.8	200	64	50.2		200	64	50.2				
	65	3.9	3.06	150	18	14.1	200	38	29.8	130	73.6	57.8		250	80	62.8				
	75	4.5	3.53	180	21.6	17	230	43.7	34.3	280	89.6	70.3		300	96	75.4				
	90	5.4	4.24	200	24	18.8	250	47.5	37.3	36	100	36		28.3	125	45	35.3			
	100	6	4.71	230	27.6	21.7	280	53.2	41.8		150	54		42.4	180	64.8	50.9			
	125	7.5	5.89	250	30	23.6	300	57	44.7		200	72		56.5	250	90	70.6			
8	25	2	1.57	16	32	5.12	4.02	22	50		11	8.64	25	50	12.5	9.81				
	32	2.56	2.01		38	6.08	4.77		65	14.3	11.2	75		16.5	13	65	16.25	12.8		
	38	3.04	2.39		44	7.04	5.53		90	19.8	15.5	100		22	17.3	75	18.75	14.7		
	44	3.52	2.76		50	8	6.28		125	27.5	21.6	125		27.5	21.6	90	22.5	17.7		
	50	1	3.14		65	10.4	8.16		150	33	25.9	150		33	25.9	100	25	19.6		
	65	5.2	4.08	75	12	9.42	180		39.6	31.1	180	39.6		31.1	125	31.25	24.5			
	75	6	4.71	90	14.4	11.3	200		44	34.5	200	44		34.5	150	37.5	29.4			
	90	7.2	5.65	100	16	12.6	230		50.6	39.7	230	50.6		39.7	1180	45	35.3			
	100	8	6.28	125	20	15.7	250		55	43.2	250	55		43.2	200	50	39.2			
	125	10	7.85	150	24	18.8	280		61.6	48.4	280	61.6		48.4	230	57.5	45.1			
	9	25	2.25	1.77	180	28.8	22.6		300	66	51.8	300		66	51.8	250	62.5	49.1		
		32	2.28	2.26	200	32	25.1		25	50	12.5	9.81		25	50	12.5	9.81	280	70	55
		38	3.42	2.68	230	36.8	28.9			65	16.25	12.8			65	16.25	12.8	300	75	58.9
		44	3.96	3.11	250	40	31.4			75	18.75	14.7			75	18.75	14.7			
		50	4.5	3.53	280	44.8	35.2			90	22.5	17.7			90	22.5	17.7			
65		5.85	4.59	300	48	37.7	100	25		19.6	100	25	19.6							
75		6.75	5.3				125	31.25		24.5	125	31.25	24.5							
90		8.1	6.36				150	37.5		29.4	150	37.5	29.4							
100		9	7.06				180	37.5		29.4	180	37.5	29.4							
125		11.25	8.83				200	50		39.2	200	50	39.2							
150	13.5	10.6				230	57.5	45.1		230	57.5	45.1								
180	16.2	12.7				250	62.5	49.1	250	62.5	49.1									
200	18	14.1				280	70	55	280	70	55									
230	20.7	16.2				300	75	58.9	300	75	58.9									
250	22.5	17.7																		

8. I-BEAM (IB) เหล็กไอบีม



PRODUCT IN 3D

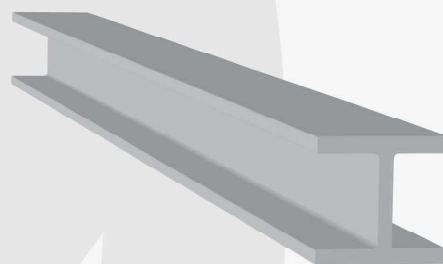
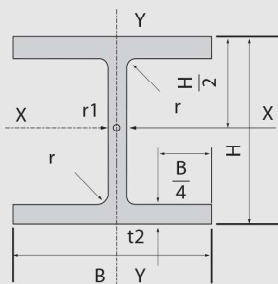


STANDARD SECTIONAL DIMENSION (MM.)					SECTIONAL AREA (Cm ²)	WEIGHT (Kg./m.)
H x B	t ₁	t ₂	r ₁	r ₂		
100x75	5	8	7	3.5	16.43	12.9
125x75	5.5	9.5	9	4.5	20.45	16.1
150x75	5.5	9.5	9	4.5	21.83	17.1
150x125	8.5	14	13	6.5	46.15	36.2
180x100	6	10	10	5	30.06	23.6
200x100	7	10	10	5	33.06	26
200x150	9	16	15	7.5	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



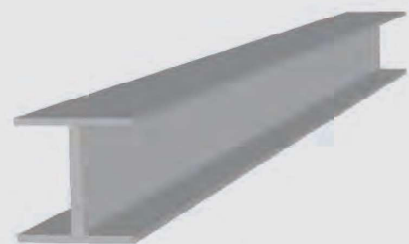
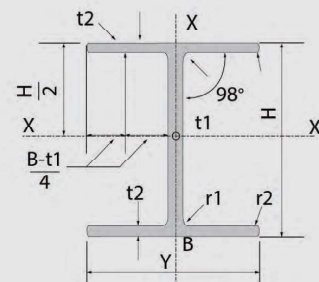
STANDARD SECTIONAL DIMENSION (MM.)				WEIGHT		SECTIONAL AREA (CM ²)
H x B	t ₁	t ₂	r	kg/m	kg/6m	
100x100	6.0	8	10	17.2	103.20	21.90
125x125	6.5	9	10	23.8	142.80	30.31
150x150	7.0	10	11	31.5	189.00	40.14
175x175	7.5	11	12	40.2	241.20	51.21
200x200	8.0	12	13	49.9	299.40	63.53
250x250	9.0	14	16	72.4	434.40	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

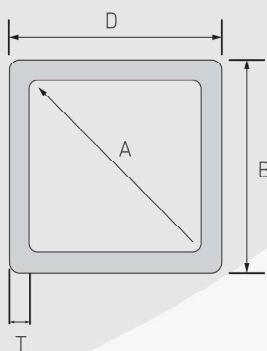
PRODUCT IN 3D



11. SQUARE TUBE เหล็กท่อนเหลี่ยม / เหล็กกล่อง



PRODUCT IN 3D



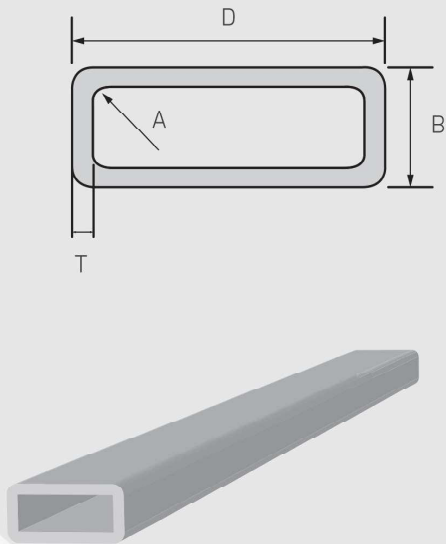
SIDE LENGTH		THICKNESS	SECTIONAL AREA	CALCULATE WEIGHT
D x B		T	A	W
in.	mm.	mm.	cm ²	kg./m.
1x1	25x25	2	1.74	1.36
		2.3	1.97	1.53
		2.6	2.1	1.65
		3.2	2.44	1.91
1 1/4x1 1/4	32x32	2.3	2.6	2.04
		3.2	3.42	2.69
1 1/2x1 1/2	38x38	2.3	3.15	2.47
		3.2	4.19	3.29
2x2	50x50	1.6	3.03	2.38
		2	3.7	2.91
		2.3	4.25	3.34
		3.2	5.73	4.5
		3.6	6.24	4.9
		4	6.81	5.35
2 3/8x2 3/8	60x60	5	8.14	6.39
		2.3	5.17	4.06
		3.2	7.01	5.5
3x3	75x75	4	8.55	6.71
		2.3	6.55	5.14
		3.2	8.93	7.01
		4	10.95	8.59
3 1/2x3 1/2	90x90	4.5	12.17	9.55
		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

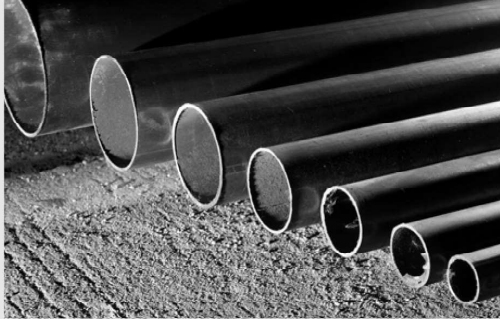


PRODUCT IN 3D

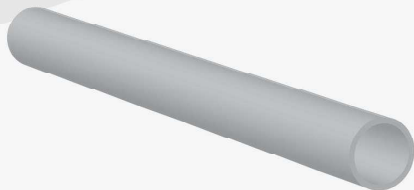
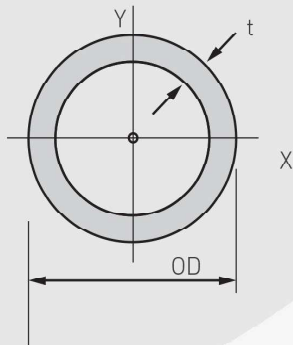


SIDE LENGTH		THICKNESS	SECTIONAL AREA	CALCULATE WEIGHT
D x B		T	A	W
in.	mm.	mm.	cm ²	kg./m.
2x1	50x25	2	2.7	2.12
		2.3	3.1	2.44
		3.2	4.13	3.24
		3.6	4.44	3.48
2 3/8x1 1/4	60x30	2.3	3.79	2.98
		3.2	5.09	3.99
3x1 1/2	75x38	2.3	4.85	3.81
		3.2	6.559	5.15
3x1 3/4	75x45	1.6	3.67	2.88
		2.3	5.17	4.06
		3.2	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

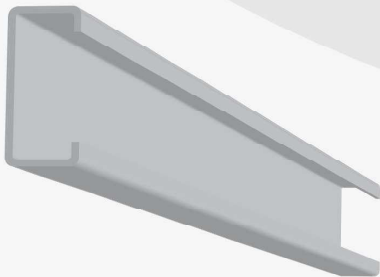
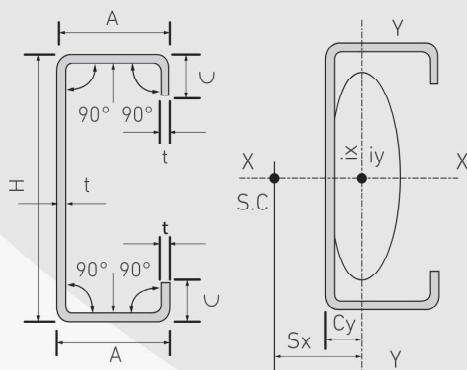


NOMINAL DIMENSION		OUTSIDE DIAMETER	THICKNESS	SECTIONAL AREA	CALCULATE WEIGHT
DN		OD	T	A	W
DN	in.	mm.	mm.	cm ²	kg./m.
15	1/2	21.7	2	1.24	0.97
20	3/4	27.2	2.3	1.58	1.24
			2.3	1.8	1.41
25	1	34	2.3	2.29	1.8
32	1 1/4	42.7	2.3	2.92	2.29
			2.5	3.16	2.48
40	1 1/2	48.6	2.3	3.35	2.63
			2.5	3.62	2.84
			2.8	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

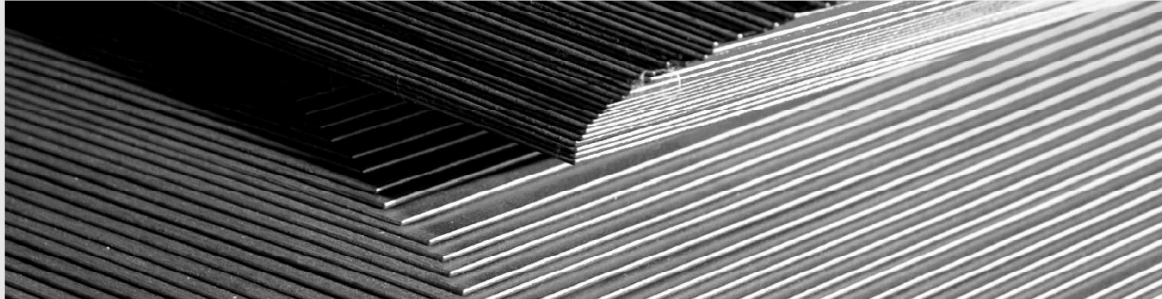


PRODUCT IN 3D

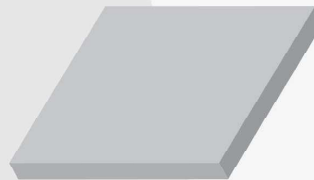
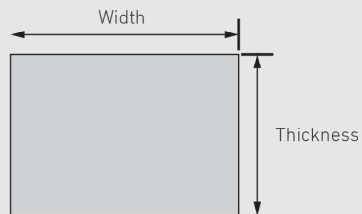


DIMENSION MM.		SECTIONAL AREA CM ²	WEIGHT KG. / M.
H x A x C	T	A	
250x75x25	4.5	18.92	14.9
200x75x25	4.5	16.67	13.1
	4	14.95	11.7
	3.2	12.13	9.52
200x75x20	4.5	16.22	12.7
	4	14.55	11.4
	3.2	11.81	9.27
150x75x25	4.5	14.42	11.3
	4	12.95	10.2
	3.2	10.53	8.27
150x75x20	4.5	13.97	11
	4	12.55	9.85
	3.2	10.21	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



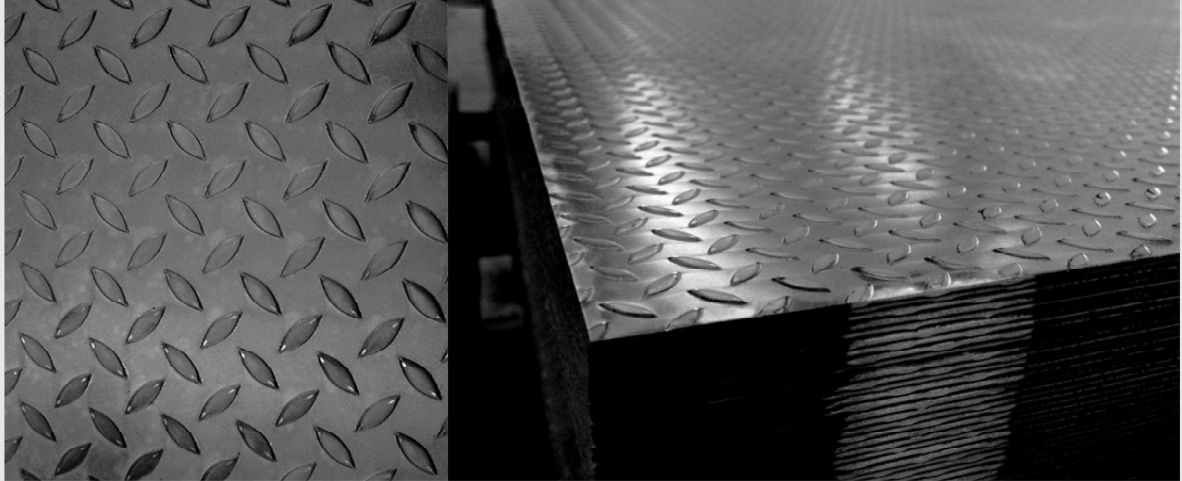
PRODUCT IN 3D



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	128.5	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	803.0	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

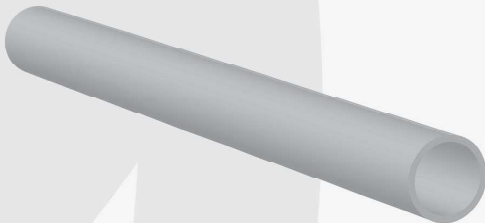
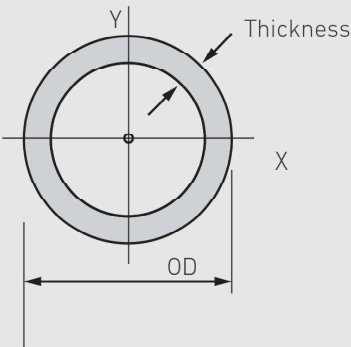


THICKNESS	WEIGHT KG/M ²	WIDTH AND LENGTH, MM. (FIGURES IN THE LOWER E.G.3X6 ARE NOMINAL SIZES IN FEET.)							
		914X1829	914X3658	1219X2438	1219X3048	1219X4877	1219X6096	1524X3048	1524X6096
mm.		(3X6)	(3X12)	(4X8)	(4X10)	(4X16)	(4X20)	(5X10)	(5X200)
2.3	19.73	33	66	58.6	73.3	177	-	-	-
3.2	26.79	44.8	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

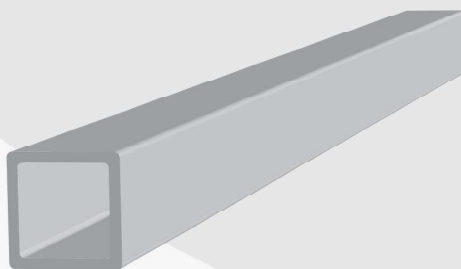
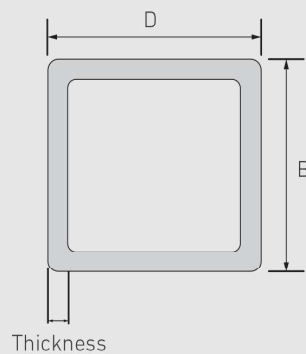


GALVANIZED STEEL PIPE			
DIAMETER		THICKNESS (mm.)	WEIGHT (kg.)
in.	o.d.		
3/4"	27.2	1.35	5.1
		1.4	5.2
1"	34	1.35	5.8
1.1/4"	42.7	1.35	8.0
		1.4	9.4
1.1/2"	48.6	1.7	11.5
		1.9	12.9
		2.6	19.0
		2.9	18.6
2"	60.5	1.35	11.6
		1.9	16.0
4"	114.3	1.7	27.8

18. GALVANIZED SQUARE TUBE เหล็กท่อน้ำเงิน/เหล็กกล่องทาลวไนซ์

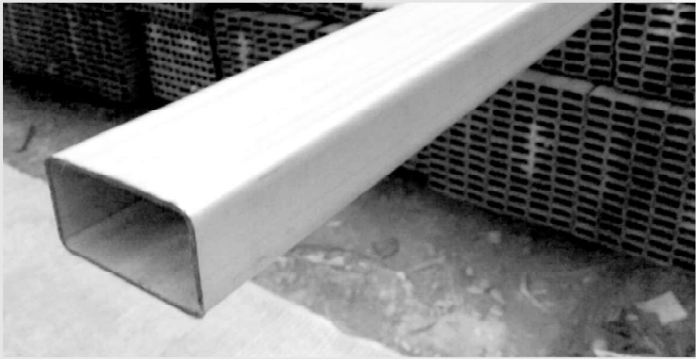


PRODUCT IN 3D

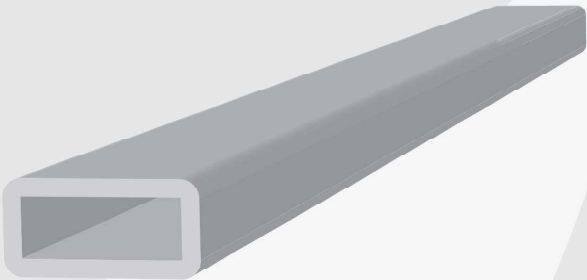
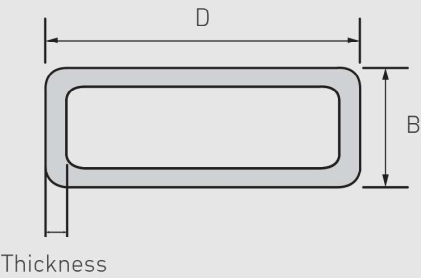


GALVANIZED SQUARE TUBE			
DxB		THICKNESS (mm.)	WEIGHT (kg.)
in.	mm.		
3/4x3/4	19x19	1.0	3.2
		1.2	3.8
		1.4	4.3
1x1	25x25	1.2	4.8
		1.35	5.3
		1.4	5.6
		1.6	6.1
		1.7	6.5
		1.9	7.2
1 1/4x1 1/4	32x32	2.1	7.8
		1.1	5.9
		1.2	6.4
		1.4	7.4
		1.7	9.0
		1.9	10.0
1 1/2x1 1/2	38x38	2.1	10.8
		1.2	8.0
		1.35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

19. GALVANIZED RECTANGULAR TUBE เหล็กท่อแบนกลวในซี



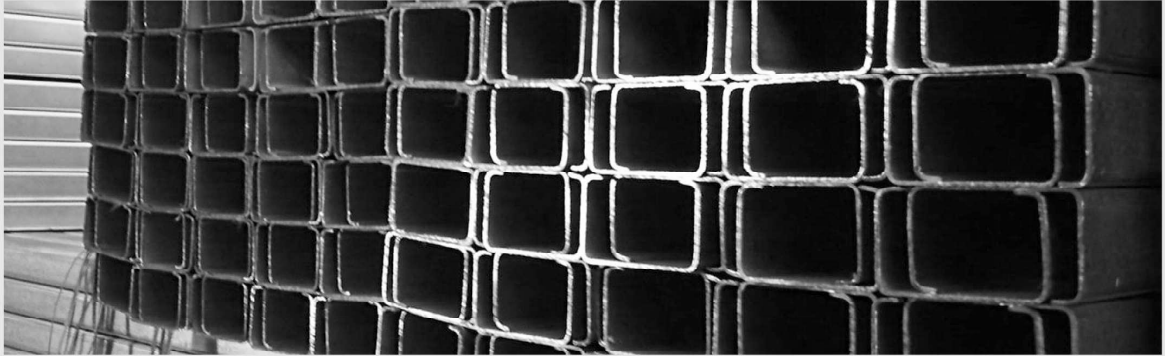
PRODUCT IN 3D



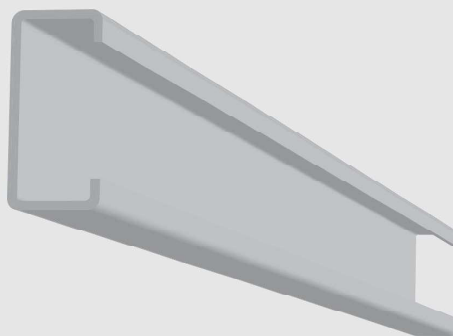
GALVANIZED RECTANGULAR TUBE			
DxB		THICKNESS (mm.)	WEIGHT (kg.)
in.	mm.		
2x1	50x25	1.0	6.6
		1.1	7.3
		1.2	8.0
		1.35	9.0
		1.4	9.5
		1.6	10.4
		1.7	11.2
		1.9	12.4
		2.1	13.8
		2.6	17.0
3x1 1/2	75x38	1.1	11.2
		1.2	12.1
		1.35	13.7
		1.4	14.3
		1.6	16.0
		1.7	17.0
		1.9	18.8
		2.1	21.2
		2.6	25.8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

เหล็กตัวซีกลาในซี



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

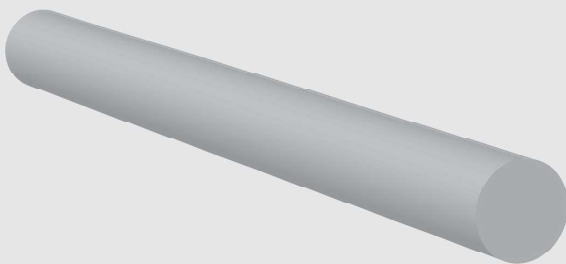


SD 40				
NAME	DIAMETER (mm.)	CIRCUMFERENCE (mm.)	CROSS SECTION AREA (sq.mm.)	WEIGHT (Tons/ Coil)
DB 12	12	37.7	113.1	2.0

23. COLD DRAWN BAR ແລັກຟາຊາວ



PRODUCT IN 3D

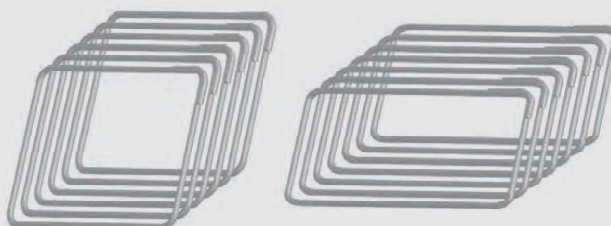


COLD DRAWN BAR		
in	mm.	WEIGHT kg./m.
1/16	4.76	0.14
1/4	6.35	0.25
5/16	7.94	0.39
3/8	9.35	0.56
7/16	11.11	0.76
1/2	12.7	1.00
5/8	15.88	1.55
3/4	19.05	2.24
7/8	22.23	3.05
1	25.4	3.98
1 1/8	28.58	5.03
1 1/4	31.75	6.21
1 3/8	34.93	7.52
1 1/2	38.1	8.95
1 5/8	41.28	10.50
1 3/4	44.45	12.20
2	50.8	15.90
2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