



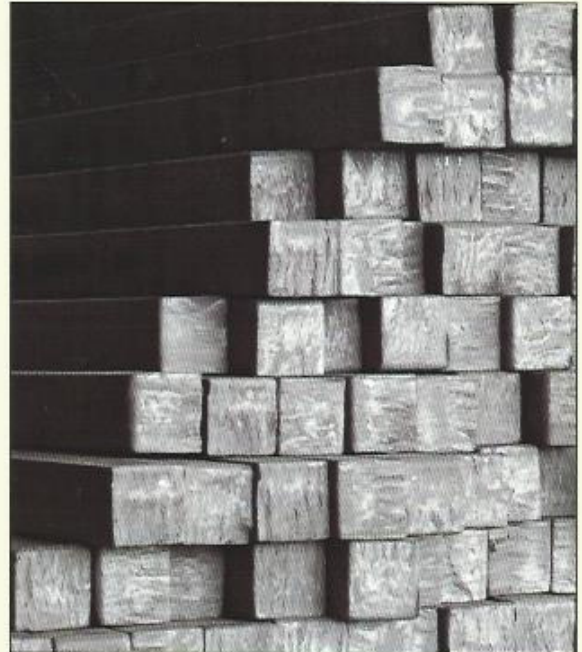
STEEL BILLET / BILLETTE

Quality / Qualité: DIN 17100, TS 708, ASTM A 615, JISO3112 (1985)
NFA 35 - 16 (1986) Equivalent Standarts 20 MnSi,

All Desired Chemical Compositions can be met. Tous les compositions
chimique demandées peuvent être assurées.
Length / Lounguer: 3,5 - 15 Meters

SIZE (mm)

80 x 80	100 x 100	110 x 110	110 x 110
120 x 120	125 x 125	130 x 130	150 x 150
180 x 180	200 x 200		



REINFORCING BARS ROUND A BETON

Length / Lounger: 6 Meters up to 16 Meters
Size / Dimension: Once folded bundles available / Epingle de
nourrice avec convenable paquets
6 mm. (Could drawnd / Laminé à froid) up to jusqu' à 50 mm.



American
Canadian
Euronorm
British
German
Portuguese
Israeli
Ethiopian
Japanies
Korean

Standards
Standards
Standards
Standards
Standards
Standards
Standards
Standards



SQUARE PROFILES / FER CARRES

Dimensions and conventional masses per unit length of pipes
 Les dimensions les masses standart en unité de longueur - tube
 Quality / Qualité: DIN 59411, DIN EN 2395

Size (mm) Dimensions	wall thicknesses mm / Epaisseur											
	0.70 kg/m	0.80 kg/m	0.90 kg/m	1 kg/m	1.5 kg/m	2 kg/m	2.5 kg/m	3 kg/m	4 kg/m	5 kg/m	6 kg/m	7.0 kg/m
10 x 10	0.20	0.22	0.26	0.28	0.40							
12 x 12	0.24	0.28	0.31	0.34								
15 x 15	0.32	0.35	0.39	0.44	0.63	0.81						
16 x 16	0.33	0.38	0.42	0.47	0.68							
18 x 18	0.36	0.42	0.47	0.53	0.77							
19 x 19	0.40	0.46	0.51	0.57	0.83	1.06						
20 x 20	0.42	0.47	0.53	0.60	0.87	1.13	1.33	1.60				
25 x 25	0.54	0.60	0.69	0.75	1.10	1.44	1.72	2.70				
30 x 30		0.73	0.82	0.91	1.34	1.75	2.15	2.39	3.27			
35 x 35			0.98	1.07	1.57	2.07	2.54	2.86				
40 x 40				1.22	2.07	2.38	2.93	3.33	4.25			
45 x 45					2.38	2.69	3.33	3.80	4.88			
50 x 50					2.69	3.01	3.72	4.28	5.51			
60 x 60					3.01	3.64	4.50	5.22	6.76	8.13		
70 x 70					3.64	4.26	5.29	6.16	8.02	9.70		
75 x 75					4.26				8.65			
80 x 80						4.89	6.08	7.10	9.28	11.30		
90 x 90					4.89			8.04	10.50	12.80		
100 x 100								8.99	11.80	14.40	17.71	19.40
110 x 110									12.69	16.33	18.69	
120 x 120									14.820	17.643	21.023	23.80
125 x 125										18.05	21.48	24.90
130 x 130									16.17	20.135	23.926	
170 x 170												
210 x 210												
250 x 250												

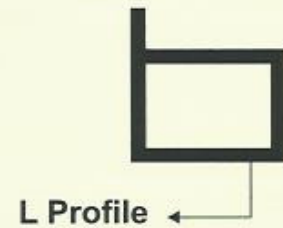
NOTE: Any other sizes might be available depending on the production schedule of the mills.
 Autres dimensions peuvent être produites selon le plan de production de la fabrique





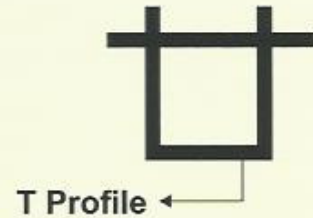
L PROFILES / PROFILS TUBULAIRES

Designation	Thickness / Epaisseur (mm)	Weight / Poids (Kg/metre)
28x28 L	1.00	0.915
28x28 L	1.10	1.007
28x28 L	1.15	1.052
28x28 L	1.20	1.087
38x38 L	1.10	1.294
38x38 L	1.15	1.353
38x38 L	1.20	1.398
38x38 L	1.25	1.456
38x38 L	1.50	1.747



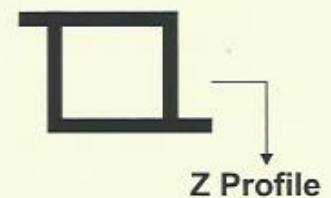
T PROFILES / PROFILS TUBULAIRES

Designation	Thickness / Epaisseur (mm)	Weight / Poids (Kg/metre)
28x28 T	1.00	1.061
28x28 T	1.10	1.167
28x28 T	1.15	1.220
28x28 T	1.20	1.260
38x38 T	1.10	1.540
38x38 T	1.15	1.610
38x38 T	1.20	1.663
38x38 T	1.25	1.732
38x38 T	1.50	2.078



Z PROFILES / PROFILS TUBULAIRES

Designation	Thickness / Epaisseur (mm)	Weight / Poids (Kg/metre)
28x28 Z	1.00	1.061
28x28 Z	1.10	1.167
28x28 Z	1.15	1.220
28x28 Z	1.20	1.260
38x38 Z	1.10	1.540
38x38 Z	1.15	1.610
38x38 Z	1.20	1.663
38x38 Z	1.25	1.732
38x38 Z	1.50	2.078





STANDART TYPES OF WIRE - MESH TRILLIS SOUDES

MESH TYPES	MESH						MESH WEIGHT Poids de Treillis Soudees(Kg/m)
	PITCH (mm)		DIAMETER (mm)		CROSS-SEC (cm/mm)		
	Line	Cross	Line	Cross	Line	Cross	
R 106	150	250	4.5	4.5	1.06	0.64	1.33
R 131	150	250	5.0	5.0	1.31	0.78	1.65
R 158	150	250	5.5	5.0	1.58	0.78	1.86
R 188	150	250	6.0	5.0	1.88	0.78	2.10
R 221	150	250	6.5	5.0	2.21	0.78	2.36
R 257	150	250	7.0	5.0	2.57	0.78	2.63
R 295	150	250	7.5	5.0	2.95	0.78	2.93
R 317	150	250	5.5 d	5.0	3.17	0.78	2.88
R 355	150	250	8.0	5.0	3.65	0.78	3.25
R 377	150	250	6.0 d	5.0	2.37	0.78	3.30
R 443	150	250	6.5 d	5.5	4.43	0.95	3.89
R 513	150	250	7.0 d	6.0	5.13	1.11	4.54
R 589	150	250	7.5 d	6.5	5.89	1.33	5.24

4.5							
Q106/106	150	150	4.5	5.0	1.06	1.06	1.70
Q131/131	150	150	5.0	5.0	1.31	1.31	2.06
Q158/131	150	150	5.5	5.5	1.58	1.31	2.27
Q158/158	150	150	5.5	5.0	1.58	1.58	2.48
Q188/131	150	150	6.0	5.5	1.88	1.31	2.31
Q188/158	150	150	6.0	6.0	1.88	1.58	2.72
Q188/188	150	150	6.0	5.0	1.88	1.88	2.96
Q221/131	150	150	6.5	5.5	2.21	1.31	2.77
Q221/158	150	150	6.5	6.0	2.21	1.58	3.98
Q221/158	150	150	6.5	6.5	2.21	1.88	3.22
Q221/221	150	150	6.5	5.0	2.21	2.21	3.48
Q257/131	150	150	7.0	5.5	2.57	1.31	3.04
Q257/158	150	150	7.0	6.0	2.57	1.58	3.25
Q257/188	150	150	7.0	6.5	2.57	1.88	3.49
Q257/221	150	150	7.0	7.0	2.57	2.21	3.75
Q257/257	150	150	7.0	5.0	2.57	2.57	4.02
Q295/131	150	150	7.5	5.5	2.95	1.31	3.34
Q295/158	150	150	7.5	6.0	2.95	1.58	3.55
Q295/188	150	150	7.5	6.5	2.95	1.88	3.79
Q295/221	150	150	7.5	7.0	2.95	2.21	4.05
Q295/257	150	150	7.5	7.5	2.95	2.57	4.32
Q295/295	150	150	5.5d	5.0	2.95	2.95	4.62
Q317/131	150	150	5.5d	5.5	3.17	1.31	2.93
Q317/158	150	150	5.5d	6.0	3.17	1.58	3.15
Q317/188	150	150	5.5d	6.5	3.17	1.88	3.38
Q317/221	150	150	5.5d	7.0	3.17	2.21	3.63
Q317/257	150	150	5.5d	7.5	3.17	2.57	3.91
Q317/295	150	150	6.0d	5.0	3.17	2.95	4.20
Q377/131	150	150	6.0d	5.5	3.77	1.31	3.29
Q377/158	150	150	6.0d	6.0	3.77	1.58	3.51
Q377/188	150	150	6.0d	6.5	3.77	1.88	3.74
Q377/221	150	150	6.0d	7.0	3.77	2.21	3.99
Q377/257	150	150	6.0d	7.5	3.77	2.57	4.26
Q377/295	150	150	6.5d	5.5	3.77	2.95	4.56
Q443/158	150	150	6.5d	6.0	4.43	1.58	3.89
Q443/188	150	150	6.5d	6.5	4.43	1.88	4.13
Q443/221	150	150	6.5d	7.0	4.43	2.21	4.38
Q443/257	150	150	6.5d	7.5	4.43	2.57	4.65
Q443/295	150	150	7.0d	6.0	4.43	2.95	4.95
Q513/188	150	150	7.0d	6.5	5.13	1.88	4.56
Q513/221	150	150	7.0d	7.0	5.13	2.21	4.81
Q513/257	150	150	7.0d	7.5	5.13	2.57	4.08
Q513/295	150	150	7.5d	-	5.13	2.95	5.36





PC STRAND PRESTRESSED CONCRETE STRAND



MECHANICAL PROPERTIES											
NOMINAL DIAMETER		BREAKING STRENGTH		AREA OF STRAND		WEIGHT OF STRAND		ELONGATION MIN.	MIN. LOAD AT 1% EXTENSION		RELAXATION LOSS MAX AT 70% OF BREAKING LOAD AT 1000 HOURS
mm	inch	kN	Lbf	mm ²	in ²	kg/1000m	lb/1000ft	%	kN	lbf	%
GRADE 1725 (250)											
9.50	0.375	89.0	20000	51.6	0.080	405	272	3.5	80.1	18000	2.5
11.10	0.438	120.1	27000	69.7	0.108	548	367	3.5	108.1	24300	2.5
12.70	0.500	160.1	36000	92.9	0.144	730	490	3.5	144.1	32400	2.5
15.20	0.600	240.2	54000	139.4	0.216	1094	737	3.5	216.2	48600	2.5
GRADE 1860 (270)											
9.53	0.375	102.3	23000	54.8	0.085	432	290	3.5	92.1	20700	2.5
11.13	0.438	137.9	31000	74.2	0.115	582	390	3.5	124	27900	2.5
12.70	0.500	183.7	41300	98.7	0.153	775	520	3.5	165.3	37170	2.5
14.29	0.563	230.0	51700	123.9	0.192	970	651	3.5	207.0	46530	2.5
15.24	0.600	260.7	58600	140.0	0.217	1102	740	3.5	234.6	52740	2.5
15.75	0.620	277.4	62370	149.2	0.231	1173	778	3.5	249.7	56133	2.5
17.78	0.700	353.2	79400	189.7	0.294	1487	1000	3.5	318.0	71500	2.5





UNEQUAL ANGLE / CORNIERE

Rolling Tolerances / Laminage Tolerances as DIN 1028

Quality / Qualité : DIN 1029, EN 10056-2

Length / Longuer : 6-12 meters (+/- 50 mm)

SIZE (mm)

65x50x5	65x50x6	65x50x7
80x60x6	80x60x7	80x60x8
100x65x7	100x65x8	100x65x9
100x75x7	100x75x7	100x75x9
150x75x12	150x90x12	200x100x12



EQUAL ANGLE / CORNIERE A AILES EAGLES

Rolling Tolerances / Laminage Tolerances as DIN 1028

Quality / Qualité : DIN 17100 ST 37.2

Length / Longuer : 6-12 meters (+/- 50 mm)

SIZE (mm)

20x20x2.5/3	25x25x2.5	25x25x3	25x25x4	30x30x2.5/3
30x30x4	30x30x5	30x30x6.0	35x35x3	35x35x4
35x35x5	40x40x3	40x40x4	40x40x5	40x40x6
45x45x4	45x45x5	45x45x6	50x50x3	50x50x4
50x50x5	50x50x6	55x55x6	60x60x6	60x60x6
60x60x8	65x65x5	65x65x6	65x65x7	70x70x6
70x70x7	70x70x9	75x75x7	75x75x8	80x80x6
80x80x7	80x80x8	80x80x10	90x90x7	90x90x8
90x90x9	100x100x7	100x100x8	100x100x9	100x100x10
100x100x12	110x110x10	120x120x10	130x130x10	130x130x12



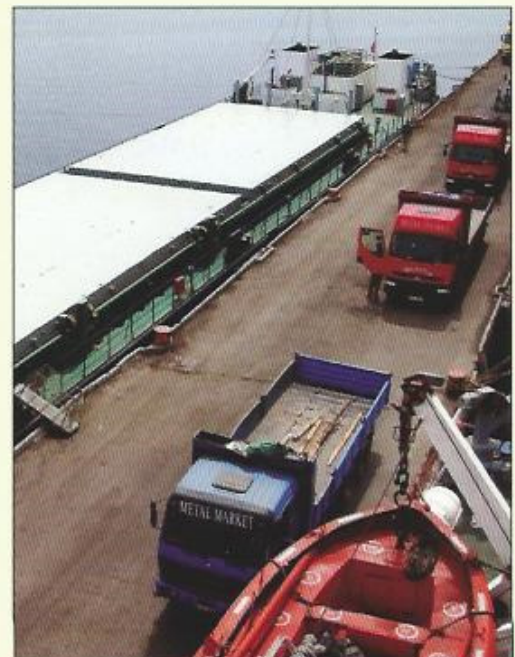
Rolling Tolerances as per ASTM A 36 - A6

Laminage Tolerances

Length / Longuer : 20-30-40 Feet Pied (-0 +2")

SIZE (INCH/POUCE)

3/4x3/4x1/8"	1x1x1/8"	1x1x3/16"
1x1x1/4"	1-1/4x1-1/4x1/8"	1-1/4x1-1/4x3/16"
1-1/4x1-1/4x1/4"	1-1/2x1-1/2x1/8"	1-1/2x1-1/2x3/16"
1-1/2x1-1/2x1/4"	1-3/4x1-3/4x1/8"	1-3/4x1-3/4x3/16"
1-3/4x1-3/4x1/4"	2x2x1/8"	2x2x3/16"
2x2x1/4"	3x3x3/8"	2-1/2x1-1/2x1/4"
2-1/2x2-1/2x5/16"	2-1/2x2-1/2x3/8"	3x3x3/16"
3x3x1/4"	2-1/2x2-1/2x3/16"	3x3x5/16"
3x3x3/8"	3-1/2x3-1/2x1/4"	3-1/2x3-1/2x5/16"
3-1/2x3-1/2x3/8"	4x4x1/4"	4x4x5/16"
4x4x3/8"	4x4x1/2"	



WATER AND GAS PIPES / TUBES DE GAS ET DE L'EAU

NF A 49 - 145

DN	SIZE		WT mm	LIGHT				WT mm	MEDIUM				WT mm	HEAVY			
	OD			WEIGHT					WEIGHT					WEIGHT			
	(nom) inch	mm		BPE kg/m	BTC kg/m	GPE kg/m	GTC kg/m		BPE kg/m	BTC kg/m	GPE kg/m	GTC kg/m		BPE kg/m	BTC kg/m	GPE kg/m	GTC kg/m
15	1/2	21.3	2.3	1.08	1.09	1.15	1.16	2.6	1.20	1.21	1.27	1.28	3.2	1.43	1.44	1.50	1.51
20	3/4	26.9	2.3	1.40	1.41	1.49	1.50	1.6	1.56	1.57	1.65	1.66	3.2	1.87	1.88	1.96	1.97
25	1	33.7	2.9	2.20	2.22	2.32	2.34	3.2	2.41	2.43	2.53	2.55	4.0	2.93	2.95	3.05	3.07
32	1 1/4	42.4	2.9	2.82	2.85	2.97	3.00	3.2	3.09	3.12	3.24	3.27	4.0	3.79	3.82	3.94	3.97
40	1 1/2	48.3	2.9	3.25	3.29	3.42	3.46	3.2	3.56	3.6	3.73	3.77	4.0	3.37	4.41	4.54	4.58
50	2	60.3	3.2	4.51	4.58	4.73	4.80	3.6	4.03	4.1	5.24	5.31	4.5	6.19	6.26	6.40	6.47
65	2 1/2	76.1	3.2	5.75	5.87	6.02	6.14	3.6	6.44	6.56	6.72	6.84	4.5	7.95	8.07	8.22	8.34
80	3	88.9	3.2	6.76	6.93	7.08	7.24	4.0	8.38	8.55	8.70	8.87	4.9	10.0	10.2	10.32	10.52
100	4	114.3	3.6	9.83	10.1	10.25	10.52	4.5	12.2	12.5	12.61	12.91	5.4	14.5	14.8	14.91	15.21
125	5	139.7	4.5	15.0	15.5	15.63	16.15	4.5	15.0	15.5	15.63	16.15	5.4	17.9	18.4	18.41	18.91
150	6	165.2	4.5	17.8	18.4	18.55	19.17	4.5	17.8	18.4	18.55	19.17	5.4	21.3	21.9	21.9	22.50

ASTM A 53

NPS	SIZE				WEIGHT						SCHEDULE NO.
	OD		WT		OD		WT				
	(nom) inc	mm	(nom) inc	mm	lb/ft	kg/m	lb/ft	kg/m			
1/2	0.840	21.3	0.109	2.77	0.85	1.27	0.85	1.27	40		
3/4	1.050	26.7	0.083	2.11	0.86	1.28	...	...	10
			0.113	2.87	1.13	1.69	1.13	1.69	40		
1	1.315	33.4	0.109	2.77	1.40	2.09	...	...	10
			0.133	3.38	1.68	2.50	1.68	2.50	40		
1/4	1.660	42.2	0.109	2.77	1.81	2.70	...	...	10
			0.140	3.56	2.27	3.39	2.28	3.40	40		
1 1/2	1.900	48.3	1.109	2.77	2.08	3.10	...	...	10
			0.145	3.77	2.72	4.05	2.72	4.04	40		
2	2.375	60.3	0.109	2.77	2.64	3.93	...	...	10
			0.154	3.91	3.65	5.44	3.68	5.46	40		
2 1/2	2.875	73.0	0.120	3.05	3.53	5.26	...	...	10
			0.203	5.16	5.79	8.63	5.82	8.67	40		
3	3.500	88.9	0.120	3.05	4.33	6.45	...	...	10
			0.216	5.49	7.58	11.29	7.62	11.35	40		
3 1/2	4.000	101.6	0.120	3.05	4.97	7.41	...	...	10
			1.226	5.74	9.11	13.57	9.20	13.71	40		
4	4.500	114.3	0.120	3.05	5.61	8.36	...	...	10
			0.156	3.96	7.24	10.78	...	...	...
			0.188	4.78	8.66	12.91	...	...	...
			0.219	5.56	10.01	14.91	...	...	...
			0.237	6.02	10.79	16.07	10.89	12.23	40		
			0.250	6.35	11.35	16.90	...	...	...
5	5.563	141.3	0.134	3.40	7.77	11.58	...	...	10
			0.156	3.96	9.01	13.41	...	...	...
			0.188	4.78	10.79	16.09	...	...	...
			0.219	5.56	12.50	18.61	...	...	...
			0.258	6.35	14.62	21.77	14.81	22.07	40		
			0.281	7.14	15.85	23.62	...	...	...
6	6.625	168.3	0.134	3.40	9.29	13.84	...	...	...
			0.188	4.78	12.92	19.27	...	...	...
			0.219	5.56	14.98	22.31	...	...	...
			0.250	6.35	17.02	25.36	...	...	...
			0.280	7.11	18.97	28.26	19.18	28.58	...		
			0.312	7.92	21.04	31.32	...	...	...
8	8.625	219.1	0.188	4.78	16.94	25.26	...	...	...
			1.203	5.16	18.26	27.22	...	...	...
			0.219	5.56	19.66	29.28	...	...	...
			0.250	6.35	22.36	33.31	...	...	...
			0.277	7.04	24.70	36.31	...	...	...
			0.312	7.92	27.70	41.24	...	...	...
			0.322	8.18	28.55	42.55	...	...	...
10	10.750	273.0	0.188	4.78	21.21	31.62	...	...	...
			0.203	5.16	22.87	34.08	...	...	...
			0.219	5.56	24.63	36.67	...	...	...
			0.250	6.35	28.04	41.75	...	...	...
			0.279	7.09	31.20	46.49	...	...	...
			0.307	7.80	34.24	51.01	...	...	...
			0.344	8.74	38.23	56.96	...	...	...
			0.365	9.27	40.48	60.29	...	...	...
12	12.750	323.8	0.203	5.16	27.20	40.55	...	...	...
			0.219	5.56	29.31	43.63	...	...	...
			0.250	6.35	33.38	49.71	...	...	...
			0.281	7.14	37.42	55.75	...	...	...
			0.312	7.92	41.45	61.69	...	...	...
			0.330	8.38	43.77	65.18	...	...	...
			0.344	8.74	45.58	67.90	...	...	...
			0.375	9.52	49.56	73.78	...	...	...



GPE: Galvanized Plain / Galvanisé à bout plat
GTC: Galvanized Threaded and Coupled
BPE: Black Plain / Noire à bout plat
BTC: Black Threaded and Coupled
/ Noire avec manchon et cliquet
OD: Outside diameter / diamètre extérieure
WT: Wall thickness / Epaisseur

RECTANGULAR PROFILES / FERS RECTANGLES

Tolerances : In sizes %1 Thickness / Epaisseur : S<2mm+ %10 S>2mm+ %12.5

Corner radius / Corner diametre 1.5s - 2s - 3s

DIN 59411, TSE 5317, DIN 2395

Size (mm) Dimensions	wall thicknesses mm / Epaisseur										
	0.70 kg/m	0.80 kg/m	1 kg/m	1.5 kg/m	2 kg/m	2.5 kg/m	3 kg/m	4 kg/m	5 kg/m	6 kg/m	7.0 kg/m
10 x 15	0.23	0.26	0.32	0.46							
10 x 20	0.32	0.35	0.438	0.60							
10 x 25	0.42	0.47	0.58	0.87	1.12						
10 x 30	0.36	0.41	0.51	0.75	0.97						
15 x 20	0.36	0.41	0.51	0.75	0.97						
15 x 25	0.42	0.47	0.58	0.87	1.12						
15 x 30	0.47	0.53	0.67	0.98	1.28						
15 x 35	0.54	0.60	0.75	1.10	1.44						
20 x 10			0.44	0.63	0.81						
20 x 30	0.54	0.60	0.75	1.10	1.44						
20 x 35	0.59	0.67	0.82	1.22	1.59						
20 x 40	0.64	0.73	0.91	1.34	1.75	2.15	2.39				
25 x 15			0.60	0.78	1.12						
30 x 10			0.60	0.78	1.12						
30 x 20			0.75	1.10	1.44						
35 x 25			0.91	1.34	1.75	2.15	2.39				
35 x 30			0.97	1.46	1.91	2.34	2.63				
40 x 20			0.90	1.34	1.75	2.15	2.39				
40 x 25				1.46	1.91	2.34	2.63				
40 x 30				1.57	2.07	2.54	2.86				
50 x 20			1.07	1.57	2.07	2.54	2.86				
50 x 25			1.13	1.69	2.22	2.74	3.10				
50 x 30			1.21	1.81	2.38	2.93	3.33	4.25			
50 x 40				2.05	2.69	3.33	3.80	4.88			
60 x 30				2.05	2.69	3.33	3.80	4.89			
60 x 40					3.01	3.72	4.28	5.51			
70 x 30					3.01	3.72	4.37	5.78			
70 x 50					3.32	4.11	4.75	6.14			
80 x 40					3.64	4.51	5.22	6.76			
80 x 60					4.26	5.29	6.16	8.02	9.70		
90 x 30						4.50	5.37	7.03			
90 x 50					4.26		6.31	8.29	10.21		
100 x 20							5.37	5.37			
100 x 40					4.26	5.29	6.16	8.02	9.70		
100 x 50					4.58	5.68	6.63	8.65	10.99	12.3	
100 x 60					4.89	6.07	7.10	9.28	11.30	13.2	
100 x 80					5.52		8.04	10.50	12.80	15.1	
110 x 50							7.25	9.55			
120 x 40					4.89	6.07	7.10	9.28	11.30	13.2	
120 x 60					5.52	6.86	8.04	10.50	12.80	15.1	
120 x 80					6.15	7.61	9.08	11.95	14.75	17.0	
120 x 100					6.80	8.56	10.19	13.1	16.0	18.9	
125 x 75					6.15	7.64	8.99	11.8	14.4	17.0	19.4
130 x 50							8.20				
140 x 60								12.06			
140 x 80								12.69			
140 x 100					7.50	9.35	11.1	14.1	17.4	20.3	23.8
150 x 50					6.15	7.64	8.99	11.8	14.4	17.0	19.4
150 x 100									18.05		
160 x 80								14.1	17.4	20.3	23.8
160 x 90									18.05		



NOTE: Any other size might be available depending on the production schedule of the mills.

Autres dimensions peuvent être produites selon le plan de production de la fabrique



WATER AND GAS PIPES / TUBES DE GAS ET DE L'EAU

Medium Series

Quality / Qualite : DIN 2440

SIZE		DIN 2440						DIN 2441					
OD		WT	WEIGHT				WT	WEIGHT					
(nom)	mm		BPE	BTC	GPE	GTC		BPE	BTC	GPE	GTC		
inch	mm	kg/m	kg/m	kg/m	kg/m	kg/m	kg/m	kg/m	kg/m	kg/m	kg/m		
3/8	17.2	2.35	0.852	0.86	0.890	0.897	2.90	1.02	1.03	1.07	1.08		
1/2	21.3	2.65	1.32	1.23	1.29	1.30	3.25	1.45	1.46	1.52	1.53		
3/4	26.9	2.65	1.58	1.59	1.67	1.68	3.25	1.90	1.91	1.99	2.00		
1	33.7	3.25	2.44	2.46	2.55	2.57	4.05	2.97	2.99	3.08	3.10		
1 1/4	42.4	3.25	3.14	3.17	3.29	3.32	4.05	3.84	3.87	3.98	4.01		
1 1/2	48.3	3.25	3.61	3.65	3.78	3.82	4.05	4.43	4.47	4.60	4.64		
2	60.3	3.65	5.10	5.17	5.31	5.38	4.50	6.17	6.24	6.38	6.45		
2 1/2	76.1	3.65	6.51	6.63	6.78	6.90	4.50	7.90	8.02	8.17	8.29		
3	88.9	4.05	8.47	8.64	8.79	8.96	4.85	10.10	10.30	10.42	10.62		
4	114.3	4.50	12.10	12.40	12.51	12.81	5.40	14.40	14.70	14.81	15.11		
5	139.7	4.85	16.20	16.70	16.71	17.21	5.40	17.80	18.30	18.31	18.81		
6	165.1	4.85	19.20	19.80	19.80	20.40	5.40	21.20	21.80	21.80	22.40		

B S 1387

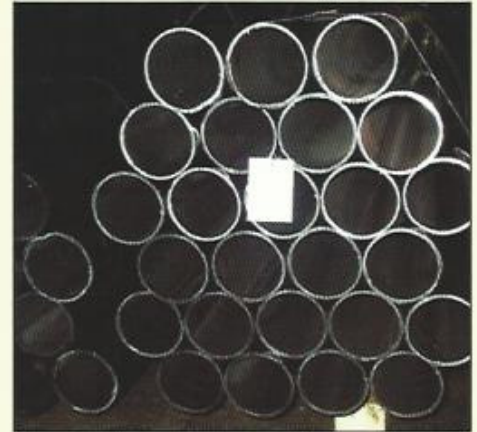
SIZE		MEDIUM						MEDIUM					
OD		WT	WEIGHT				WT	WEIGHT					
(nom)	mm		BPE	BTC	GPE	GTC		BPE	BTC	GPE	GTC		
inch	mm	kg/m	kg/m	kg/m	kg/m	kg/m	kg/m	kg/m	kg/m	kg/m	kg/m		
1/2	21.3	2.6	1.21	1.22	1.28	1.29	3.2	1.44	1.45	1.51	1.52		
3/4	26.9	2.6	1.56	1.57	1.65	1.66	3.2	1.87	1.88	1.96	1.97		
1	33.7	3.2	2.41	2.43	2.53	2.55	4.0	2.94	2.96	3.05	3.07		
1 1/4	42.4	3.2	3.10	3.13	3.25	3.28	4.0	3.80	3.83	3.94	3.97		
1 1/2	48.3	3.2	3.57	3.61	3.74	3.78	4.0	4.38	4.42	4.55	4.59		
2	60.3	3.6	5.03	5.10	5.24	5.31	4.5	6.19	6.26	6.40	6.47		
2 1/2	76.1	3.6	6.43	6.55	6.70	6.82	4.5	7.93	8.05	8.20	8.32		
3	88.9	4.0	8.37	8.54	8.69	8.86	5.0	10.30	10.50	10.62	10.82		
4	114.3	4.5	12.20	12.50	12.61	12.91	5.4	14.50	14.80	14.91	15.21		
5	139.7	5.0	16.60	17.10	17.11	17.61	5.4	17.90	18.40	18.41	18.91		
6	165.1	5.0	19.70	20.30	20.30	20.90	5.4	21.30	21.90	21.90	22.50		

ISO 65

SIZE		MEDIUM						MEDIUM					
DN	OD		WT	WEIGHT				WT	WEIGHT				
	(nom)	mm		BPE	GTC	BTC	GPE		BPE	GTC	BTC	GPE	
	inch	mm	kg/m	kg/m	kg/m	kg/m	kg/m	kg/m	kg/m	kg/m	kg/m	kg/m	
15	1/2	21.3	2.6	1.21	1.22	1.28	1.29	3.2	1.44	1.45	1.51	1.52	
20	3/4	26.9	2.6	1.56	1.57	1.65	1.66	3.2	1.87	1.88	1.96	1.97	
25	1	33.7	3.2	2.41	2.43	2.53	2.55	4.0	2.93	2.95	3.05	3.07	
32	1 1/4	42.4	3.2	3.10	3.13	3.25	3.28	4.0	3.79	3.82	3.94	3.97	
40	1 1/2	48.3	3.2	3.56	3.60	3.73	3.77	4.0	4.37	4.41	4.54	4.58	
50	2	60.3	3.6	5.03	5.10	5.24	5.31	4.5	6.19	6.26	6.40	6.47	
65	2 1/2	76.1	3.6	6.42	6.54	6.70	6.81	4.5	7.93	8.05	8.20	8.32	
80	3	88.9	4.0	8.36	8.53	8.69	8.85	5.0	10.3	10.50	10.62	10.82	
100	4	114.3	4.5	12.20	12.50	12.61	12.91	5.4	14.5	14.80	14.91	15.21	
125	5	139.7	5.0	16.60	17.10	17.11	17.61	5.4	17.9	18.40	18.40	18.91	
150	6	165.1	5.0	19.80	20.40	20.40	21.00	5.4	21.3	21.90	21.90	22.50	

ISO 65

SIZE		MEDIUM						MEDIUM					
DN	OD		WT	WEIGHT				WT	WEIGHT				
	(nom)	mm		BPE	GTC	BTC	GPE		BPE	GTC	BTC	GPE	
	inch	mm	kg/m	kg/m	kg/m	kg/m	kg/m	kg/m	kg/m	kg/m	kg/m	kg/m	
15	1/2	21.3	2.3	1.08	1.09	1.15	1.16	2.0	0.95	0.96	1.02	1.03	
20	3/4	26.9	2.3	1.39	1.4	1.48	1.49	2.3	1.38	1.39	1.47	1.48	
25	1	33.7	2.9	2.2	2.22	2.32	2.34	2.6	1.98	2.0	2.1	2.12	
32	1 1/4	42.4	2.9	2.82	2.85	2.97	3.0	2.6	2.54	2.57	2.69	2.72	
40	1 1/2	48.3	2.9	3.24	3.28	3.41	3.45	2.9	3.23	3.27	3.4	3.44	
50	2	60.3	3.2	4.49	4.56	4.71	4.78	2.9	4.08	4.15	4.3	4.37	
65	2 1/2	76.1	3.2	5.73	5.85	6.0	6.12	3.2	5.71	5.83	5.98	6.1	
80	3	88.9	3.6	7.55	7.72	7.87	8.04	3.2	6.72	6.89	7.04	7.21	
100	4	114.3	4.0	10.8	11.1	11.22	11.52	3.6	9.75	10.0	10.17	10.42	



GPE: Galvanised Plain / Galvanise a bout plat

GTC: Galvanised Threaded and Coupled

BPE: Black Plain / Noire a bout plat

BTC: Black Threaded and Coupled

/Noire avec manchon et cliquet

OD: Outsided diameter / diametre exterieur

WT: Wall thickness / Epaisseur



INDUSTRIAL WELDED PIPES

Dimensions and conventional masses per unit length of pipes
 Les dimensions et les masses standard en unite de longueur-tube
 Quality/Qualité: DIN 2458

Outside diameter of pipe (mm) Series Exterieur diametre de la tube	Nominal wall thickness l'epaisseur	Conventional masses (weights) per unit length in kg/m for wall thicknesses in mm Les masses standard en unite de longueur-tube (kg/m) pour l'epaisseur en mm																
		1.4	1.6	1.8	2	2.3	2.6	2.9	3.2	3.6	4	4.5	5	5.6	6.3			
17.2				1.8	0.546	0.616	0.684	0.750	0.845	0.936								
	19			2	0.608	0.687	0.764	0.838	0.947	1.05								
	20			2	0.642	0.726	0.808	0.888	1.00	1.12								
21.3				2	0.687	0.777	0.866	0.952	1.08	1.20	1.32	1.43						
	25			2	0.815	0.923	1.03	1.13	1.29	1.44	1.58	1.72						
		25.4		2	0.829	0.939	1.05	1.15	1.31	1.46	1.61	1.75						
26.9				2	0.880	0.998	1.11	1.23	1.40	1.56	1.72	1.87						
		30		2	0.987	1.12	1.25	1.38	1.57	1.76	1.94	2.11						
	31.8			2	1.05	1.19	1.33	1.47	1.67	1.87	2.07	2.26						
33.7				2	1.12	1.27	1.42	1.56	1.78	1.99	2.20	2.41						
	38			2.3	1.26	1.44	1.61	1.78	2.07	2.27	2.51	2.75	3.05					
42.4				2.3	1.42	1.61	1.80	1.99	2.27	2.55	2.82	3.09	3.44	3.79				
48.3				2.3	1.62	1.84	2.06	2.28	2.61	2.93	3.26	3.56	3.97	4.37	4.86			
	51			2.3	1.71	1.95	2.18	2.42	2.76	3.10	3.44	3.77	4.21	4.64				
	57			2.3		2.19	2.45	2.71	3.10	3.49	3.87	4.25	4.74	5.23				
60.3				2.3		2.32	2.60	2.88	3.29	3.70	4.11	4.51	5.03	5.55	6.19	6.82		
	63.5			2.3		2.44	2.74	3.03	3.47	3.90	4.33	4.76	5.32	5.87	6.55	7.21		
	70			2.6		2.70	3.03	3.35	3.84	4.32	4.80	5.27	5.90	6.51	7.27	8.01		
		73		2.6							5.01	5.51	6.16	6.81	7.60	8.38		
76.1				2.6				4.19	4.19	4.71	5.24	5.75	6.44	7.11	7.95	8.77		
88.9				2.9		3.44	3.87	4.29	4.91	5.53	6.15	6.76	7.57	8.38	9.37	10.3	11.5	
	101.6			2.9							7.06	7.77	8.70	9.63	10.8	11.9	13.3	
114.3				3.2								8.77	9.83	10.9	12.2	13.5	15.0	16.8
	127			3.2									12.1	13.0				





COLD ROLLED STEEL COILS BOBINES LAMINEES A FROID

Thickness (Epaisseur): Between (entre) 0,3-2,5 mm
At desired dimensions steel sheets, steel strips and steel coils
Defferentes dimensions de toles et de bobines sur commente.



COLD ROLLED STEEL SHEETS TOLES LAMINEES A FROID

Thickness (Epaisseur): Between (entre) 0,3-2,5 mm
At desired dimensions steel sheets, steel strips and steel coils
Defferentes dimensions de toles et de bobines sur commente.



HOT ROLLED COILS AND SHEETS TOLES ET BOBINES LAMINEES A CHAUD

Hot Rolled Coils/Bobines laminées a chaud
Thickness (Epaisseur): Between (entre) 1,2-10 mm
Hot Rolled Sheets/Toles laminées a chaud
Thickness (Epaisseur): Between (entre) 1,2-40 mm
Width/Larguer: 1000-2000 mm Length/Longuer: 1000-6000 mm
With bundles of 3-10 Tons (Avec des paquets de 3-10 Tonnes)



CHEQUERED PLATES TOLES CARELEES

Permissible deviations in thickness & permissible variations on thickness of the same plate Les
deviations d'épaisseur et les variations d'épaisseur de la même tole sont possibles
Thickness (Epaisseur): Between (entre) 1,4-10 mm
Width/Larguer: Max 1500mm Length / Longuer: 1200 mm
Quality/Qualité: BS-EN 10051 / DIN 59220 / ASTM A 786





MM 100



MM 200



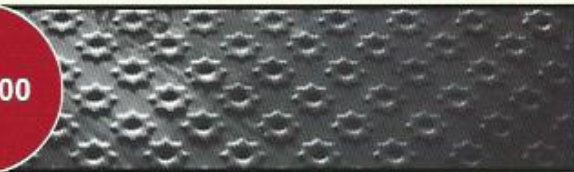
MM 300



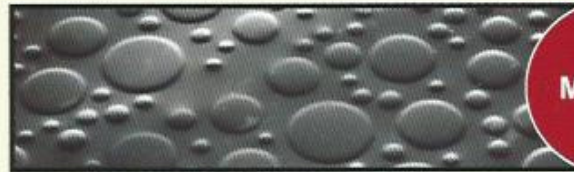
MM 400



MM 500



MM 600



MM 700



MM 800



MM 900



MM 1000



MM 1100





FLAT BAR / FER PLAT

Rolling Tolerances / Laminage Tolerances as DIN 1017
 Length / Longueur : 6 METERR (+/-50 mm)

SIZE (MM)

10x3	10x4	12x3	12x4	12x5	12x6	15x3
15x4	15x5	20x3	20x4	20x5	20x6	20x8
25x3	25x4	25x6	25x8	25x10	30x3	30x4
30x5	30x6	30x8	30x9	30x10	32x3	32x4
32x5	32x6	32x8	32x10	35x4	35x5	35x6
35x8	35x10	40x4	40x5	40x6	40x8	40x10
45x5	45x6	45x8	45x10	50x4	50x5	50x6
50x8	50x10	60x5	60x6	60x8	60x10	70x5
70x6	70x8	70x10	70x15	70x20	80x6	80x8
80x10	80x15	80x20	90x8	90x10	90x12	90x15
90x20	100x6	100x8	100x10	100x12	100x15	100x20

Rolling Tolerances / Laminage Tolerances as per ASTM A36
 Length / Longueur : 20 feet / pied (-0/+2")

SIZE (INCH)

1/2x1/8"	5/8x1/8"	3/4x1/8"	1x1/8"	1 1/4x1/8"
1 1/2x1/8"	1 2x3/16"	5/8x3/16"	3/4x3/16"	1x3/16"
1 1/4x3/16"	1 1/2x3/16"	2x3/16"	2x3/16"	2 1/2x3/16"
3x3/16"	1x2x1/4"	3/4x1/4"	1x1/4"	1 1/4x1/4"
1 1/2x1/4"	2x1/4"	2 1/2x1/4"	3x1/4"	4x1/4"
1x3/8"	1x1/4x3/8"	1x1/2x3/8"	2x3/8"	2 1/2x3/8"
3x3/8"	4x3/8"	1x1/2"	1 1/4x1/2"	1 1/2x1/2"
2x1/1"	2 1x2/2"	3x1/2"	3x1/2"	



ROUND BAR / FER ROUND LISSE

Length / Longueur : 6-9-12 METERS (+/-50 mm) AS Per DIN 1013
 Length / Longueur : 20-30-40 feet/pied (-0/+2") ASTM A36 - A6

SIZE (MM)

SIZE (INCH/POUCE)

6	
8	5/16"
10	3/8"
12	7/16"
13	1/2"
14	5/8"
15	3/4"
16	13/16"
18	7/8"
19	1"
20	
21	
22	
25	





API 5L PLAIN LINE PIPES

Nominal Size inc.	Outside diameter		Wall thickness		Sch No.	Weight			Standart test pressure min.						inside diameter		Tons pemile
	inc.	mm.	inc.	mm.		lb/ft	kg/ft	kg/m	Grade A 25		Grade A		Grade B		inc.	mm	
									Psi	Kg/cm	Psi	Kg/cm	Psi	Kg/cm			
1/2	0.840	21.3	0.109	2.8	40	0.85	0.39	1.28	700	48	700	48	700	48	0.622	15.7	2.0
3/4	0.050	26.7	0.113	2.9	40	1.13	0.51	1.70	700	48	700	48	700	48	0.824	20.9	2.7
1	1.135	33.4	0.133	3.4	40	1.68	0.76	2.52	700	48	700	48	700	48	1.049	26.6	4.0
1 1/4	1.660	42.2	0.140	3.6	40	2.17	1.03	3.43	1000	69	1200	83	1300	90	1.380	35.0	5.4
1 1/2	1.900	48.3	0.145	3.7	40	2.72	1.23	4.07	1000	69	1200	83	1300	90	1.610	40.9	6.5
2	2 3/8	60.3	0.125	3.2	40	3.00	1.36	4.51	1000	69	-	-	-	-	2.125	53.9	7.2
			0.141	3.6		3.36	1.52	5.03	1000	69	-	-	-	-	2.093	53.1	8.1
			0.154	3.9		3.65	1.66	5.42	1000	69	2330	161	2500	172	2.067	52.5	8.7
			0.172	4.4		4.05	1.84	6.07	1000	76	2500	172	2500	172	2.031	51.5	9.7
2 1/2	2 7/8	73.0	0.125	3.2	40	3.67	1.66	5.51	1000	69	-	-	-	-	2.625	66.6	8.8
			0.141	3.6		4.12	1.87	6.16	1000	69	-	-	-	-	2.593	65.8	9.9
			0.156	4.0		4.53	2.05	6.81	1000	69	1950	136	2280	158	2.563	65.0	10.9
			0.172	4.4		4.97	2.25	7.44	1000	69	2150	150	2500	176	2.531	64.2	11.9
			0.188	4.8		5.40	2.45	8.07	1000	69	2350	163	2500	172	2.489	63.4	12.9
			0.203	5.2		5.79	2.63	8.69	1000	69	2500	172	2500	172	2.469	62.6	13.9
3	3 1/2	88.9	0.125	3.2	40	4.51	2.05	6.76	1000	69	1290	89	1500	104	3.250	82.5	10.8
			0.141	3.6		5.06	2.30	7.57	1000	69	-	-	-	-	3.218	81.7	12.1
			0.156	4.0		5.57	2.53	8.37	1000	69	1600	112	1870	130	3.188	80.9	13.4
			0.172	4.4		6.11	2.77	9.17	1000	69	1770	123	2060	143	3.156	80.1	14.6
			0.188	4.8		6.65	3.02	9.95	1000	69	1930	134	2260	156	3.124	79.3	15.9
3 1/2	4	101.6	0.216	5.5	40	7.58	3.44	11	1000	69	2220	154	2500	172	3.068	77.9	18.2
			0.125	3.2		5.17	2.35	7.76	-	-	1120	78	1310	91	3.750	95.2	12.4
			0.141	3.6		5.81	2.64	8.70	800	55	1270	88	1480	102	3.718	94.4	13.9
			0.156	4.0		6.40	2.90	9.63	-	-	1400	98	1640	114	3.688	93.65	15.3
			0.172	4.4		7.03	3.19	10.55	1000	69	1550	108	1810	125	3.656	92.8	16.9
			0.188	4.8		7.65	3.47	11.46	1200	83	1690	117	1970	137	3.624	92.0	18.3
			0.226	5.7		9.11	4.13	13.48	1200	83	2030	139	2370	162	3.548	90.2	21.8
4	4 1/2	114.3	0.125	3.2	40	5.84	2.65	8.77	800	55	1000	70	1170	81	4.250	107.91	14.0
			0.141	3.6		6.56	2.98	9.83	-	-	1130	78	1320	91	4.218	107.1	15.7
			0.156	4.0		7.24	3.28	10.88	1000	69	1250	87	1460	101	4.188	106.3	17.4
			0.172	4.4		7.95	3.61	11.92	-	-	1380	96	1610	111	4.156	105.5	19.1
			0.188	4.8		8.66	3.93	12.96	1200	83	1500	104	1750	121	4.124	104.7	20.8
			0.203	5.2		9.32	4.23	13.99	-	-	1620	113	1890	132	4.094	103.9	22.3
			0.219	5.6		10.01	4.54	15.01	1200	83	1750	112	2040	142	4.062	103.2	24.0
			0.237	6.0		10.79	4.89	16.02	1200	83	1900	130	2210	152	4.026	102.3	25.9
			0.188	4.8		10.79	4.89	16.16	-	-	70	1220	84	1420	98	4.187	131.7	25.9
5	5 3/8	141.3	0.219	5.6	40	12.50	5.67	18.74	-	81	1420	98	1650	115	5.125	130.1	30.0
			0.258	6.6		14.62	6.43	21.92	-	83	1670	116	1950	135	6.047	128.1	35.0
			0.172	4.4		11.85	5.38	17.78	-	-	930	64	1090	75	6.281	159.5	28.4
			0.188	4.8		12.92	5.86	19.35	-	-	1020	70	1190	82	6.249	158.7	31.0
6	6 5/8	168.3	0.203	5.2	40	13.92	6.31	20.91	-	-	1100	76	1290	89	6.219	157.9	33.4
			0.219	5.6		14.98	6.79	22.47	-	-	1190	82	1390	96	6.187	157.1	35.9
			0.250	6.4		17.02	7.72	25.55	-	-	1360	94	1580	109	6.125	155.5	40.8
			0.280	7.1		18.97	8.60	28.22	-	-	1520	105	1780	123	6.065	154.1	45.5
			0.219	5.69		19.66	8.92	29.48	-	-	910	68	1070	74	8.187	207.9	47.1
8	8 5/8	219.1	0.250	6.4	20	22.36	10.14	33.57	-	-	1040	72	1220	84	8.125	206.3	53.6
			0.277	7.0		24.70	11.20	36.61	-	-	1160	80	1350	93	8.071	205.1	59.2
			0.312	7.9		27.70	12.56	41.14	-	-	1300	90	1520	105	8.001	203.3	66.4
			0.322	8.2		28.55	12.95	42.65	-	-	1340	92	1570	108	7.981	202.7	68.4
10	10 3/4	273.1	0.219	5.6	20	24.63	11.17	36.94	-	-	730	50	860	59	10.312	261.9	59.0
			0.250	6.4		28.04	12.72	42.09	-	-	840	58	980	68	10.250	260.3	67.2
			0.279	7.1		31.20	14.15	46.57	-	-	930	64	1090	75	10.192	258.9	74.8
			0.307	7.8		34.24	15.53	51.03	-	-	1030	71	1200	83	10.136	257.5	82.1
12	12 3/4	323.9	0.344	8.7	20	38.23	17.34	56.72	-	-	1150	79	1340	92	10.062	255.7	91.6
			0.250	6.4		33.38	15.15	50.11	-	-	710	49	820	56	12.250	311.1	80.0
			0.281	7.1		37.42	16.97	55.47	-	-	790	54	930	64	12.188	309.7	89.7
			0.312	7.9		41.45	18.80	61.56	-	-	880	61	1030	71	12.126	308.1	99.4
			0.330	8.4		43.77	19.85	65.35	-	-	930	64	1090	75	12.090	307.1	104.9
			0.344	8.7		45.58	20.67	67.62	-	-	970	67	1130	78	12.062	306.5	109.3
0.375	9.5	49.56	22.48	73.65	-	-	1060	73	1240	85	12.000	304.9	118.8				

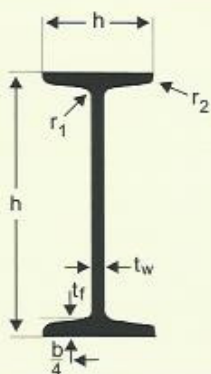


IPN BARS / POUTRELLES

Length / Longueur : 6 - 9 - 12 meters (+/-50 mm)

Length / Longueur : 20 - 30 - 40 feet (-0/+2")

PRODUCT / PRODUIT	SIZE (mm)
IPN	80x42x3,9
IPN	100x50x4,5
IPN	120x58x5,1
IPN	140x66x5,7
IPN	160x74x6,3

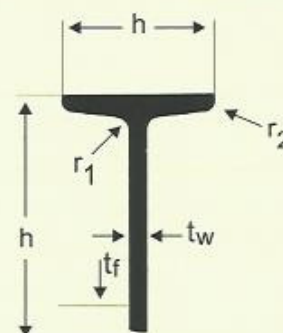


T BARS / POUTRELLES

Length / Longueur : 6 - 9 - 12 meters (+/-50 mm)

Length / Longueur : 20 - 30 - 40 feet (-0/+2")

PRODUCT / PRODUIT	SIZE (mm)
T - Profile	25x25x3,0 - 3,5
T - Profile	30x30x3,0 - 3,5
T - Profile	35x35x4
T - Profile	40x40x5

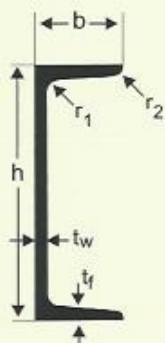


UPN BARS / POUTRELLES

Length / Longueur : 6 - 9 - 12 meters (+/-50 mm)

Length / Longueur : 20 - 30 - 40 feet (-0/+2")

PRODUCT / PRODUIT	SIZE (mm)
UPN	40x20x4
UPN	50x25x5
UPN	65x42x5,5
UPN	80x45x6
UPN	100x50x6
UPN	120x55x7
UPN	140x60x7
UPN	160x65x7,5

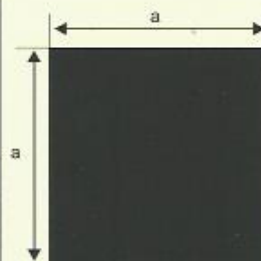


SQUARE BAR / FER CARRE

Length / Longueur : 6 - 9 - 12 meters (+/-50 mm) As per DIN 1014

Length / Longueur : 20 - 30 - 40 feet (-0/+2")

SIZE (mm)	SIZE (inch)	SIZE (mm)	SIZE (inch)
6		16	13/16"
8	5/16"	18	7/8"
10	3/8"	19	1"
12	7/16"	20	
13	1/2"	22	
14	5/8"	24	
15	3/4"	25	





STEEL WIRES / FIL DE FER

Material	Diameter (mm)	Packing	Packing
Low Carbon Galvanized Wire	1.80 - 5.00	>>in coils of 80-1.000 kg >> Rozette or normal winding	>>Commercial or Heavy Grade zinc coating
Low Carbon Black Annealed Wire	1.00 - 7.50	>>in coils of 30-250 kg	
Low Carbon Oiled Bailg Wire	1.60 - 3.00	>>in coils of 50 kg	
Low Coated Galvanized Wire	2.50 - 4.00	>>in coils of 30-500 kg	>>PVC Coated, Hot Dip Galvanized wire or Black Annealed Wire >>Extrusion PVC Coating of 1 mm >>In Colours of Blue Green, White Grey or desired colours
IOWA Type Barbed Wire		>>in coils of 15-40 kg	>>PVC Coated, Hot Dip Galvanized wire or Black Annealed Wire >>Extrusion PVC Coating of 1 mm >>In Colours of Blue Green, White Grey or desired colours >> djkajsdaldllasl
IOWA Type Barbed Wire		>>in coils of 15-40 kg	>>PVC Coated, Hot Dip Galvanized wire or Black Annealed Wire >>Extrusion PVC Coating of 1 mm
IOWA Type Barbed Wire		>>in coils of 15-40 kg	>>PVC Coated, Hot Dip Galvanized wire or Black Annealed Wire >>Extrusion PVC Coating of 1 mm >>In Colours of Blue Green, White Grey or desired colours >> djkajsdaldllasl
IOWA Type Barbed Wire		>>in coils of 15-40 kg	>>PVC Coated, Hot Dip Galvanized wire or Black Annealed Wire >>Extrusion PVC Coating of 1 mm



WIRE ROD / FIL MACHINE

Quality / Qualite: DIN 17100, EN 10025 ST 37.2
 Coil WEIGHT / Poids De La Bobine : Abt / Approx 1 Ton
 SAE 1010, SAE 1012, SAE 1015, SAE 1018, SAE 1020
 or Equivalent Standards BS 4449 GR 250

SIZE (mm)				
5.5	6	6.5	6.8	7
7.5	8	8.5	9	9.35
10	10.5	11	11.5	12
12.5	13	14	16	



DEBAR IN COIL / FER BETON EN BOBINE CRENELEE

Quality / Qualite: ASTM A 615 GRADE 60
 SIZE (mm) DIMENSION: 6 - 8 - 10 - 12 - 14
 COIL WEIGHT / POIDS DE LA BOBINE : ABT / APPROX 1 MTON



NAILS / CLOUS

CROSS SECTION FROM OUR PROGRAM

SMOOTH Diameter x Length	RING Diameter x Length	SCREW Diameter x Length
1.80 mm x 32 mm - 50 mm	1.80 mm x 32 mm - 50 mm	1.80 mm x 32 mm - 50 mm
2.10 mm x 32 mm - 50 mm	2.10 mm x 32 mm - 50 mm	2.10 mm x 32 mm - 50 mm
2.50 mm x 45 mm - 70 mm	2.50 mm x 45 mm - 70 mm	2.50 mm x 45 mm - 70 mm
2.85 mm x 50 mm - 80 mm	2.85 mm x 50 mm - 80 mm	2.85 mm x 50 mm - 80 mm
3.05 mm x 50 mm - 75 mm	3.05 mm x 50 mm - 75 mm	3.05 mm x 50 mm - 75 mm
3.30 mm x 60 mm - 100 mm	3.30 mm x 60 mm - 100 mm	3.30 mm x 60 mm - 100 mm
3.90 mm x 60 mm - 100 mm	3.90 mm x 60 mm - 95 mm	3.90 mm x 60 mm - 95 mm



Raw Material Quality / Qualité de Matière Première : AISI - 1008

Head Type / Type de la tête : FLAT / Plat - Cone

Packaging / Emballage : 5-25 kg cardboard boxes, 500 - 100 kg stretched cardboard boxes on Europalette / Dans des coffres en bois sur des Europalettes

COIL NAILS / CLOUS

CROSS SECTION FROM OUR PROGRAM

SMOOTH	Nail coil	RING	Nail coil	SCREW	Nail coil
2.10 mm x 32 mm - 50 mm	400pcs	2.10 mm x 32 mm - 50 mm	400pcs	2.10 mm x 32 mm - 50 mm	400pcs
2.50 mm x 45 mm - 70 mm	300pcs	2.50 mm x 45 mm - 70 mm	300pcs	2.50 mm x 45 mm - 70 mm	300pcs
2.85 mm x 50 mm - 80 mm	250pcs	2.85 mm x 50 mm - 80 mm	250pcs	2.85 mm x 50 mm - 80 mm	250pcs
3.05 mm x 50 mm - 75 mm	200pcs	3.05 mm x 50 mm - 75 mm	200pcs	3.05 mm x 50 mm - 75 mm	200pcs
3.30 mm x 60 mm - 100 mm	165pcs	3.30 mm x 60 mm - 100 mm	165pcs	3.30 mm x 60 mm - 100 mm	165pcs



Raw Material Quality / Qualité de Matière Première : AISI - 1008

Head Type / Type de la tête : FLAT / Plat - Cone

Packaging / Emballage : 5-25 kg cardboard boxes, 500 - 100 kg stretched cardboard boxes on Europalette / Dans des coffres en bois sur des Europalettes



DECORATIVE HOLLOW SECTION ROUND END TUBES DECORATIFS A BOUT ROUND

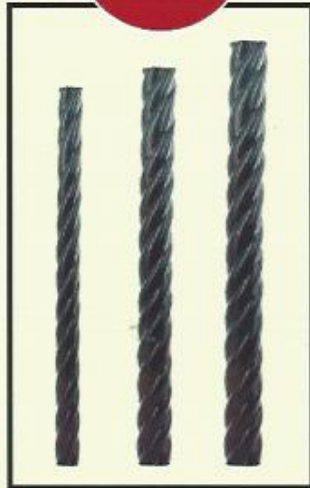
A Serie



DIA (mm)

21 25 28 32 38 51

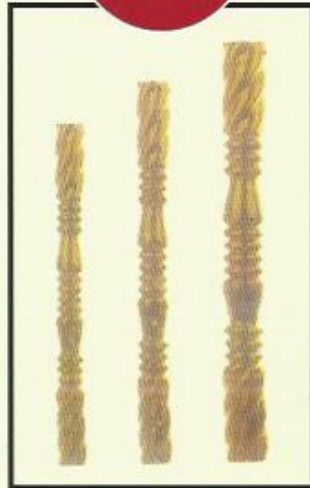
B Serie



DIA (mm)

19 21 25 28 32 38

E Serie



DIA (mm)

25 28 32 38

A Serie



DIA (mm)

25 28 32 38

C Serie



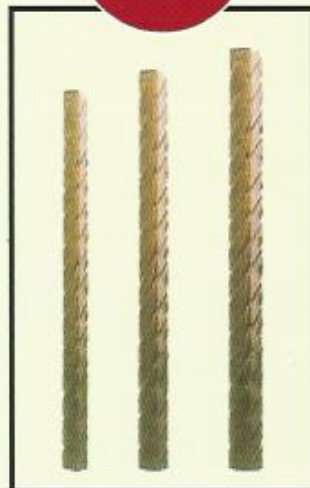
DIAMETER (mm)	SIZES (mm)
25	20x20
28	22x22
32	25x25
38	30x30

D Serie



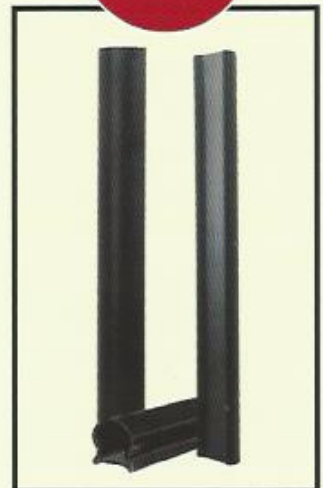
DIAMETER (mm)	SIZES (mm)
25	20x20
28	22x22
32	25x25
38	30x30

L Serie



DIAMETER (mm)	SIZES (mm)
25	20x20
28	22x22
32	25x25
38	30x30

Hand Rail



DIA (mm)

38 51 60

