



PRODUCT CATALOGUE



A woman with short dark hair, wearing a yellow hard hat, black-rimmed glasses, and a high-visibility yellow safety vest over a dark shirt, is shown in profile. She is smiling and looking upwards and to the right. She holds a clipboard in her left hand. The background is a blurred industrial setting, likely a mine.

**MINING SOLUTIONS
WITH PROFESSIONALISM
& INTEGRITY**



ABOUT US

Founded in 1992, with a background in hydro power and backfill technology, HMT International expanded its business into low, medium and high pressure valve systems as well as imports low, medium and high pressure piping. From the earliest days our company was built on engineering integrity and attention to detail.

We wish to create a work environment which nurtures learning and growth and inspires excellence in all we do. We assist our co-workers by sharing knowledge and we are also committed to creating a safe work environment.

Our relationship with everyone we deal with daily is based on honesty, integrity and fairness. We aim to provide our clients with manufacturing and supplying of specialized products for the mining industry at competitive prices with a guaranteed back up of service.

HMT International began in 2005 as manufacturers and supplier of the 'Certalok' PVC piping system into the civil sector. This product was manufactured in conjunction with the American based company 'Cetainteed'. This necessitated the use of PVC plastic extrusion equipment which was subsequently utilised for the mining and agricultural sectors.

The company obtained the SABS permit to produce these products in 2005 and since then, has grown its range of products and capacity to where it is today.

The company's central location provides quick and easy access for its customers, which assists in the building of strong relationships.

We continuously aim to improve its Quality Management Systems which ensures that they stay abreast of world class technology.

OUR PRODUCTS

We strive to ensure that our product selection is tailored to our patrons' needs and the markets they serve. We take pride in our commitment to comprehending the specific details of your orders, which is paired with our broad inventory of items and elevated levels of personalised service from start to finish of the steel supply chain.



Mild steel



Stainless-steel



Structural steel



Plates



Nuts & bolts



Valves



PVC pipe & fittings



HDPE pipe & fittings



Fabricated pipes,
fittings & coatings



Flanges: carbon steel
& stainless steel



Gaskets



Galvanized
pipes & fittings



Carbon steel
seamless pipe &
Stainless-steel pipe



Sans 719/62 pipes



All mining related
products and services

SERVICES

Our facility offers four processing lines capable of processing cold rolled, hot rolled, and galvanised in sheet and slit form.

The slitting lines also provide the ability to perform decoiling and recoiling, meaning we can supply customers to their required specification with smaller coils in weights they are capable of processing/handling.

COIL PROCESSING

High-speed slitting line with Cold Rolled, Galvanised, Hot Rolled and Re & Decoiling capabilities.

Speed: Up to 230m per minute
Capacity: 3000 tons per month

CUT TO LENGTH

High-speed flying shear cut to length line to process sheets. The line assembly allows for the shear to accelerate and synchronise to strip speed to cut material without stopping material feed. This allows for processing an entire coil of strip without accumulating the downtime necessary for shear cycles.

Sheet lengths: 300-3500mm
Width range: 700-1600mm
Capacity: 2000 tons per month

MANUFACTURE OF FLAT BAR

Thickness range: 1.5-10mm
Width range: 10-180mm
Custom cut to length

ROOFING LINE

Manufacture of IBR and corrugated roof sheeting.



CHANNEL IRON

CHANNELS TAPER FLANGE

Size (mm)	KG'S/ Metre	Flange Thickness (mm)	Web Thickness (mm)
57x51	6.84	6.1	6.1
76x38	5.70	6.8	5.1
76x38	6.70	6.8	5.1
100x50	8.90	7.0	5.0
100x50	10.60	8.5	6.0
120x55	13.4	9.0	7.0
127x64	14.90	9.2	6.4
140x60	16.00	10.0	7.0
152x76	17.90	9.0	6.4
160x65	18.80	10.5	7.5
178x54	14.51	8.3	5.8
180x70	22.00	11.0	8.0
200x75	25.30	11.5	8.5

CHANNELS PARALLEL FLANGE

Size (mm)	KG'S/ Metre	Flange Thickness (mm)	Web Thickness (mm)
100x50	10.10	8.4	5.0
180x70	21.10	10.9	7.0
200x75	24.30	11.4	7.5
230x90	32.20	14.0	7.5
260x90	34.80	14.0	8.0
300x100	45.40	16.5	9.0



All other sizes available on request.

EQUAL ANGLES



EQUAL ANGLES

Thickness (mm)	Stock Grades	Stock Lengths	KGs/Metre												
			2	2.5	3	4	5	6	8	10	12	15	16	18	20
25x25	CQ	6m	0.77	0.95	1.11		1.77								
30x30	CQ	6m	0.95		1.36		2.18								
40x40	CQ	6m	1.29	1.58	1.87	2.42	2.97	3.52							
45x45	CQ	6m			2.13		3.38								
50x50	CQ	6+13m			2.37	3.06	3.77	4.47	5.82						
60x60	CQ + S355 JR	6+13m				3.70	4.57	5.42	7.09	8.69					
70x70	CQ + S355 JR	6+13m						6.38	8.36	10.27					
80x80	CQ + S355 JR	6+13m						7.34	9.63	11.86	14.03				
90x90	S355 JR	13m						8.30	10.90	13.45	15.93				
100x100	CQ + S355 JR	6+13m							12.18	15.04	17.83				
120x120	S355 JR	13m							14.71	18.20	21.62	26.64			
150x150	S355 JR									22.98	27.35	33.77		40.06	
200x200	S355 JR												48.50	54.20	59.90

All other sizes available on request.

UNEQUAL ANGLES

UNEQUAL ANGLES							
Thickness (mm)	Stock Grades	Stock Lengths	KGs/Metre				
			6	8	10	12	15
65x50	S355 JR	6+13m	5.16	6.75			
75x50	S355 JR	13m	5.65	7.39			
80x60	S355 JR		6.37	8.34			
90x65	S355 JR	13m	7.07	9.29	11.40		
100x65	S355 JR			9.94	12.30		
100x75	S355 JR	13m	8.04	10.57	13.04		
125x75	S355 JR			12.16	15.02	17.81	
150x75	S355 JR				16.98	20.17	
150x90	S355 JR				18.18	21.60	26.62

All other sizes available on request.



FLAT BAR

FLAT BAR												
Thickness (mm)	2.5	3	5	6	8	10	12	16	20	25	30	40
Width (mm)	KGs/Metre											
12	0.241	0.306										
16	0.322	0.386										
20	0.402	0.482	0.790	0.940	1.260	1.570						
25	0.502	0.603	0.980	1.180	1.570	1.960	2.360					
30	0.603	0.724	1.180	1.410	1.880	2.360	2.830					
40		0.965	1.570	1.880	2.510	3.140	3.770	5.020	6.280	7.850		
50		1.206	1.960	2.360	3.140	3.930	4.710	6.280	7.850	9.810		
60				2.830	3.770	4.710	5.650	7.540	9.420		14.130	
70				3.300	4.400	5.500	6.590	8.790	10.990			
80				3.770	5.020	6.280	7.540	10.050	12.560	15.700	18.840	25.120
90				4.240	5.650	7.070	8.480		14.130	17.660		
100				4.710	6.280	7.850	9.420	12.560	15.700	19.630	23.550	31.400
110				5.180	6.910	8.640	10.360					
130					9.420	11.780	12.250	16.330	20.410	25.510		
150					9.420	11.780	14.130	18.840	23.550	29.440	35.330	
180						14.130	16.960	22.610	28.260	35.330		
200					19.600	15.700	18.840	25.120	31.400	39.250		
250						23.600	31.400	39.250	49.060	58.880		
300						23.600	28.300					

GRADE 55C FLAT BAR		
Size (mm)	Stock Lengths	6.0
100x12	13m	9.42
100x16		12.56
100x20		15.70
130x12		12.25
130x16		16.33
130x20		20.41



IPE SECTION

All other sizes available on request.

IPE SECTION							
Normal Size (mm)	KG'S/ Metre	Stock Grade	Stock Lengths	Actual Dimensions (mm)			
				Height	Width	Flange	Web
100x55	8.10	S355 JR	13m	100	55	4.1	5.7
120x64	10.37	S355 JR	13m	120	64	4.4	6.3
140x73	12.89	S355 JR	13m	140	73	4.7	6.9
160x82	15.77	S355 JR	13m	160	82	5	7.4
180x91	18.80	S355 JR	13m	180	91	5.3	8
200x100	22.36	S355 JR	13m	200	100	5.6	8.5

IPE AA							
Normal Size (mm)	KG'S/ Metre	Stock Grade	Stock Lengths	Actual Dimensions (mm)			
				Height	Width	Flange	Web
100x55	6.72	S355 JR	13m	97.6	55	3.6	4.5
120x64	8.36	S355 JR	13m	117	64	3.8	4.8
140x73	10.05	S355 JR	13m	136.6	73	3.8	5.2
160x82	12.32	S355 JR	13m	156.4	82	4	5.6
180x91	14.94	S355 JR	13m	176.4	91	4.3	6.2
200x100	17.95	S355 JR	13m	196.4	100	4.5	6.7



SQUARE BAR, ROUND BAR, REINFORCING BAR

ROUND BAR				SQUARE BAR				REINFORCING BAR			
Size (mm)	Stock Grades	Stock Lengths	KG'S/ Metre	Size (mm)	Stock Grades	Stock Lengths	KG'S/ Metre	Size (mm)	Stock Grades	Stock Lengths	KG'S/ Metre
6	CQ	6m	0.22	610x10	CQ	6m	0.79	6	BS4449/SANS 920	6+12+13m	0.22
8	CQ	6m	0.40	12x12	CQ	6m	1.13	8	BS4449/SANS 920	6+12+13m	0.40
10	CQ	6m	0.62	16x16	CQ	6m	2.01	10	BS4449/SANS 920	6+12+13m	0.62
12	CQ	6m	0.89	20x20	CQ	6m	3.14	12	BS4449/SANS 920	6+12+13m	0.89
16	CQ	6m	1.58	25x25	CQ	6m	4.91	16	BS4449/SANS 920	6+12+13m	1.58
20	CQ	6m	2.47	30x30	CQ	6m	7.07	20	BS4449/SANS 920	6+12+13m	2.47
22	CQ	6m	2.98	35x35	CQ	6m	9.62	25	BS4449/SANS 920	6+12+13m	3.85
24	CQ	6m	3.55	40x40	CQ	6m	12.60	32	BS4449/SANS 920	6+12+13m	6.31
25	CQ	6m	3.85	50x50	CQ	6m	19.65	40	BS4449/SANS 920	6+12+13m	9.87
30	CQ	6m	5.55	60x60	S355 JR	6m	28.38				
32	CQ	6m	6.31	70x70	S355 JR	6m	38.50				
35	CQ	6m	7.55	75x75	S355 JR	6m	44.20				
36	CO	6m	7.99								
38	CO	6m	8.90								
40	CO	6m	9.87								
45	CO	6m	12.49								
50	CQ	6m	15.41								

All other sizes available on request.



UNIVERSAL BEAMS

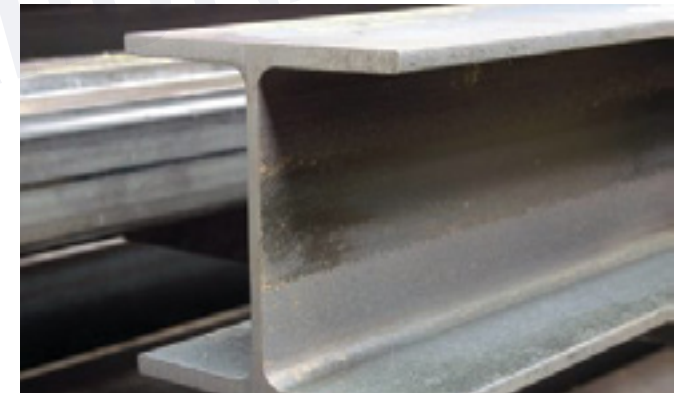
UNIVERSAL BEAMS							
Normal Size (mm)	KG'S/ Metre	Stock Grade	Stock Lengths	Actual Dimensions (mm)			
				Height	Width	Flange	Web
203x133	25.1	S355 JR	9+11+13m	203.2	133.2	7.8	5.7
	30.0	S355 JR	11+13m	206.8	133.9	9.6	6.4
254x146	31.1	S355 JR	9+11+13m	251.4	146.1	8.6	6.0
	37.0	S355 JR	13m	256.0	146.4	10.9	6.3
305x102	43.0	S355 JR	13m	259.6	147.3	12.7	7.2
	24.8	S355 JR	9+11+13m	305.1	101.6	7.0	5.8
305x165	28.2	S355 JR	13m	308.7	101.8	8.8	6.0
	32.8	S355 JR	13m	312.7	102.0	10.8	6.6
356x171	40.3	S355 JR	9+11+13m	303.4	165.0	10.2	6.0
	46.1	S355 JR	13m	306.6	165.7	11.8	6.7
406x140	54.0	S355 JR	13m	310.4	166.9	13.7	7.9
	45.0	S355 JR	9+13m	351.4	171.1	9.7	7.0
406x178	51.0	S355 JR	13m	355.0	171.5	11.5	7.4
	57.0	S355 JR	13m	358.0	172.2	13.0	8.1
406x140	67.1	S355 JR		363.4	173.2	15.7	9.1
	39.0	S355 JR	11+13m	398.0	141.8	8.6	6.4
406x178	46.0	S355 JR	9+13m	403.2	142.2	11.2	6.8
	54.1	S355 JR	9+11+13m	402.6	177.7	10.9	7.7

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UNIVERSAL BEAMS

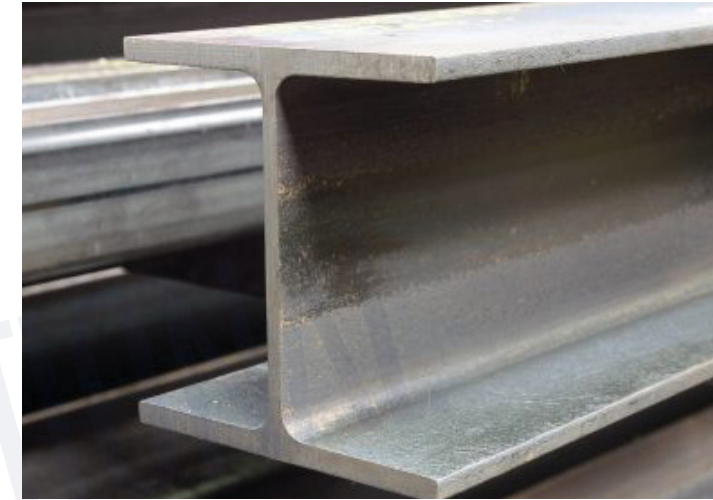
UNIVERSAL BEAMS							
Normal Size (mm)	KG'S/ Metre	Stock Grade	Stock Lengths	Actual Dimensions (mm)			
				Height	Width	Flange	Web
406x178	60.1	S355 JR		406.4	177.9	12.8	7.9
406x178	67.1	S355 JR	13m	409.4	178.8	14.3	8.8
406x178	74.2	S355 JR		412.8	179.5	16.0	9.5
457x191	67.1	S355 JR	9+11+13m	453.4	189.9	12.7	8.5
457x191	74.3	S355 JR	9+13m	457.0	190.4	14.5	9.0
457x191	82.0	S355 JR	13m	460.0	191.3	16.0	9.9
457x191	89.3	S355 JR		463.4	191.9	17.7	10.5
457x191	98.3	S355 JR		467.2	192.8	19.6	11.4
533x210	82.2	S355 JR	13m	528.3	208.8	13.2	9.6
533x210	92.1	S355 JR	13m	533.1	209.3	15.6	10.1
533x210	101.0	S355 JR		536.7	210.0	17.4	10.8
533x210	109.0	S355 JR		539.5	210.8	18.8	11.6
533x210	122.0	S355 JR		544.5	211.9	21.3	12.7

All other sizes available on request.



UNIVERSAL COLUMNS

UNIVERSAL COLUMNS							
Normal Size (mm)	KG'S/ Metre	Stock Grade	Stock Lengths	Actual Dimensions (mm)			
				Height	Width	Flange	Web
152x152	23.00	S355 JR	9+13m	152.4	152.2	6.8	5.8
152x152	30.00	S355 JR	9+13m	157.6	152.9	9.4	6.5
152x152	37.00	S355 JR	13m	161.8	154.4	11.5	8.0
203x203	46.10	S355 JR	9+13m	203.2	203.6	11.0	7.2
203x203	52.00	S355 JR	13m	206.2	204.3	12.5	7.9
203x203	60.00	S355 JR		209.6	205.8	14.2	9.4
203x203	71.00	S355 JR		215.8	206.4	17.3	10.0
203x203	86.10	S355 JR		222.2	209.1	20.5	12.7
254x254	73.10	S355 JR	13m	254.1	254.6	14.2	8.6
254x254	88.90	S355 JR	13m	260.3	256.3	117.3	10.3
254x254	107.10	S355 JR		266.7	258.8	20.5	12.8
254x254	132.00	S355 JR		276.3	261.3	25.3	15.3
254x254	167.10	S355 JR		289.1	265.2	31.7	19.2
305x305	96.90	S355 JR	13m	307.9	305.3	15.4	9.9
305x305	117.90	S355 JR		314.5	307.4	18.7	12.0
305x305	136.90	S355 JR		320.5	309.2	21.7	13.8
305x305	158.10	S355 JR		327.1	311.2	25.0	15.8
305x305	198.10	S355 JR		339.9	314.5	31.4	19.1
305x305	240.00	S355 JR		352.5	318.4	37.7	23.0



All other sizes available on request.

PLATE AS-ROLLED, PLATE EX-COIL

PLATE GRADE S355 JR AS-ROLLED

Length	Width	KG'S @											
		4.5	5	6	8	10	12	16	20	25	30	40	50
2500	1200	105.98	117.75					376.80	471.00	588.80	706.50	942.00	1177.50
4000	2000							1004.80	1256.00	1570.00	1884.00	2512.00	3140.00
10000	2400		942.00	1130.20	1507.20	1884.00	2260.80	3014.40	3768.00	4710.00	5652.00	7536.00	9420.00
12000	3000			1695.60	2260.80	2826.00	3391.20	4521.60	5652.00				

PLATES CUT FROM HR COIL

Length	Width	Stock Grade	KG'S @					
			4.5	5	6	8	10	12
2500	1200	CQ/S355JR	105.98	117.75	141.30	188.40	235.50	282.60
3000	1500	CQ	158.96	176.63	211.95	282.60	353.25	423.90
4000	2000	CQ/S355JR	282.60	314.00	376.80	502.40	628.00	753.60

All other sizes available on request.

NB: Any length up to 13 metres can be cut or rolled to length from these above widths to suit your needs.

Please ask your sales representative for information.
- Note that plate ex-coil is cheaper than as rolled plate.

We are able to offer coil services that include plate cut to length.

SHEETS COLD ROLLED, SHEETS GALVANISED

COLD ROLLED DRY SHEETS

Length	Width	KG'S @								
		0.5	0.6	0.7	0.8	0.9	1.0	1.2	1.6	2.0
2450	1225	12.06	14.48	16.89	19.30	21.71	24.13	28.95	38.60	48.25

GALVANISED Z275 CO SHEETS

Length	Width	KG'S @							
		0.5	0.58	0.80	1.0	1.2	1.6	2.0	3.0
2450	1225	12.06	13.99	19.30	24.13	28.95	38.60	48.25	72.38

Any length up to 4 metres can be cut from these coil widths to suit.
We offer blanks and slit strip in this product range.

We are able to offer coil processing services that include:

- Cut to length (0.25mm – 12mm)
- Slitting (0.25mm – 12mm)



SHEETS HOT ROLLED, VASTRAP / CHEQUER PLATE

HOT ROLLED DRY SHEETS

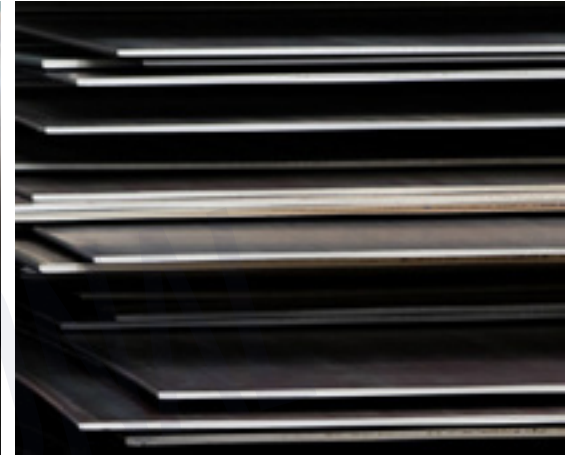
Length	Width	KG'S @					
		1.6	2.0	2.5	3.0	3.5	4.0
2450	1225	38.60	48.25	60.32	72.38	84.44	96.51

HOT ROLLED PICKLED & OILED SHEETS

Length	Width	KG'S @					
		1.6	2.0	2.5	3.0	3.5	4.0
2450	1225	38.60	48.25	60.32	72.38	84.44	96.51

VASTRAP/CHEQUER PLATE

Length	Width	Stock Grade	Thick	Tear Height	KG @
2500	1200	CQ	3.0	4.6	77.994
2500	1200	CQ	4.5	6.1	113.34
2500	1200	CQ	6.0	7.6	148.65
2500	1200	CQ			



Any length up to 4 metres can be cut from these coil widths to suit.
We offer blanks and slit strip in this product range.

We are able to offer coil processing services that include:

- Sheet and plate cut to length
- Coil slitting
- All other sizes available on request.
- Other grades available include Boiler Plates, Lloyds Grade A Ship Plates, Corten Rust, Resisting Plates, High Yield Strength Plates.

WEAR RESISTANT & HIGH STRENGTH STEELS

WEAR RESISTANT & HIGH STRENGTH STEELS

	Typical Hardness		Typical Tensile Strength	Typical Yield Strength	Typical Impact Strength	Max Operating Temp	Typical Elongation	Thickness Range
	BHN	HRC	MPa	MPa	J	(°C)	%	mm
Wear Plate 200 Bennox	220	20	600	450				3-50
NM400	410	42	1400	1050	35 @ 0°C	300	14	4-100
NM450	460	44	1500	1150	35 @ 0°C	300	14	4-100
NM500	510	52	1700	1350	35 @ 0°C	300	14	4-80
NM700	270	25	840	760	80 @ -50°C	500	24	6-150
700MC	270	22	850	760	80 @ -50°C	500	14	2-12
Mild Steel	130		400	250			23	2-100

LIPPED CHANNEL AND ANGLE

COLD FORMED SECTION - LIPPED CHANNEL

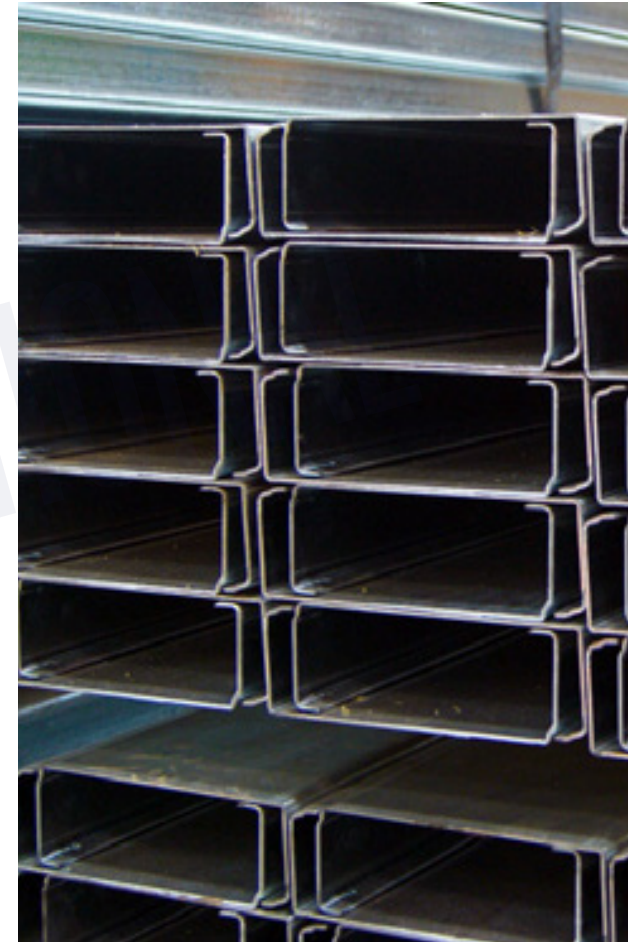
Size (mm)	Stock Lentghs	KG'S @		
		2.0	2.5	3.0
75x50x20		3.12	3.83	4.5
100x50x20		3.52	4.32	5.09
100x75x20		4.31	5.31	6.27
125x50x20		3.91	4.81	5.68
125x65x20		4.39	5.4	6.39
125x75x20		4.7	5.8	6.86
150x50x20		4.31	5.31	6.27
150x65x20		4.78	5.9	6.98
150x75x20		5.09	6.29	7.45
175x50x20		4.7	5.8	6.86
175x65x20		5.17	6.39	7.57
175x75x20		5.49	6.78	8.04
200x50x20		5.09	6.29	7.45
200x65x20		5.53	6.88	8.16
200x75x20		5.88	7.27	8.63
225x50x20		5.49	6.78	8.04

COLD FORMED SECTION - LIPPED CHANNEL

Size (mm)	Stock Lentghs	KG'S @		
		2.0	2.5	3.0
225x65x20		5.96	7.37	8.75
225x75x20		6.27	7.76	9.22
250x50x20		5.88	7.27	8.63
250x65x20		6.35	7.86	9.34
250x75x20		6.67	8.25	9.81
300x50x20		6.67	8.25	9.81
300x65x20		7.14	8.84	10.52
300x75x20		7.45	9.24	10.99

COLD FORMED SECTION - LIPPED ANGLE

Size (mm)	Stock Lentghs	KG'S @		
		2.0	2.5	3.0
75x50x20		2.41	2.95	3.47
100x75x20		3.19	3.93	4.65



Standard lengths kept in stock: 6m, 9.145m, 12m.
All other sizes available on request.

SQUARE TUBING

HOT ROLLED SQUARE TUBING

Thickness (mm)		Stock Grades	Stock Lengths	Wall Thickness mm & KG's per metre								
D1	D2			1.6	2.0	2.5	3.0	3.5	4.0	4.5	5.0	6.0
12	12			0.56								
16	16			0.68	0.85							
19	19	CQ	6m	0.90	1.10							
25	25	CQ	6m	1.21	1.50	1.80	2.13					
32	32	CQ	6m	1.53	1.90	2.31	2.74					
38	38	CQ	6m	1.85	2.29	2.83	3.36	3.86	4.37			
50	50	CQ	6m	2.49	3.09	3.76	4.56	5.18	5.87	6.55		
60	60	CQ	6m	2.94	3.66	4.55	5.42	6.28	7.12	7.96		
63	63	CQ	6m	3.09	3.85	4.78	5.70	6.60	7.50	8.38		
76	76	CQ	6m	3.69	4.69	5.70	6.96	7.90	8.98	10.04	11.10	
80	80	CQ	6m	3.95	4.91	6.11	7.30	8.47	9.63	10.78	11.91	
90	90	CQ	6m	4.45	5.54	6.89	8.24	9.57	10.88	12.19	13.48	16.03
100	100	CQ	6m		6.17	7.68	9.20	10.66	12.14	13.60	15.05	17.91
120	120	CQ	6m				11.06	12.85	14.64	16.41	18.18	21.67
152	152	CQ	6m					16.42		21.00		27.78



All other sizes available on request.

Orders of 10 tons + per size can be rolled to any length from 2 to 12 metres.

SAW - SPIRAL WELDED STEEL PIPE

Thickness (mm) Outside Diameter		Wall Thickness (mm)																				
		5.0	5.2	5.3	5.6	6.0	6.35	7.0	7.1	7.8	7.9	8.0	8.2	8.4	8.7	9.3	9.5	10.0	10.3	11.1	11.9	12.0
		0.197	0.203	0.210	0.219	0.237	0.250	0.277	0.281	0.307	0.312	0.315	0.322	0.330	0.344	0.365	0.375	0.394	0.406	0.438	0.469	0.472
mm	Ins																					
660	26	80.76	83.97	85.57	90.37	96.77	102.36	112.72	114.31	125.45	127.04	128.63	131.80	134.98	139.73	149.23	152.39	160.29	165.02	177.62	190.19	191.76
711	28	87.05	90.51	92.23	97.41	104.31	110.34	121.52	123.24	135.26	136.97	138.69	142.11	145.54	150.67	160.93	164.34	172.87	177.98	191.58	205.15	206.85
762	30	93.34	97.05	98.90	104.46	111.86	118.33	130.33	132.17	145.07	146.91	148.75	152.43	156.10	161.61	172.62	176.29	185.44	190.93	205.54	220.12	221.94
813	32	99.63	103.59	105.56	111.50	119.40	126.31	139.13	141.10	154.88	156.84	158.81	162.74	166.67	172.56	184.32	188.24	198.02	203.88	219.50	235.09	237.03
864	34	105.91	110.13	112.23	118.54	126.95	134.30	147.94	150.03	164.69	166.78	168.87	173.05	177.23	183.50	196.02	200.18	210.60	216.84	233.46	250.05	252.12
914	36	112.08	116.54	118.77	125.45	134.35	142.13	156.57	158.79	174.31	176.52	178.74	183.16	187.59	194.22	207.48	211.90	222.93	229.54	247.15	264.72	266.92
965	38	118.37	123.08	125.43	132.49	141.89	150.12	165.37	167.71	184.12	186.46	188.80	193.48	198.15	205.17	219.18	223.84	235.50	242.49	261.11	279.69	282.01
1016	40	124.66	129.62	132.10	139.53	149.44	158.10	174.17	176.64	193.93	196.39	198.86	203.79	208.72	216.11	230.87	235.79	248.08	255.45	275.07	294.66	297.10
1067	42	130.94	136.16	138.76	146.58	156.99	166.09	182.98	185.57	203.74	206.33	208.92	214.10	219.28	227.05	242.57	247.74	260.66	268.40	289.03	309.62	312.20
1118	44	137.23	142.70	145.43	153.62	164.53	174.07	191.78	194.50	213.54	216.26	218.98	224.41	229.85	237.99	254.27	259.69	273.23	281.35	302.99	324.59	327.29
1168	46	143.40	149.11	151.96	160.52	171.93	181.90	200.41	203.26	223.16	226.00	228.84	234.53	240.20	248.72	265.73	271.40	285.56	294.05	316.67	339.26	342.08
1219	48	149.69	155.65	158.63	167.57	179.48	189.89	209.22	212.19	232.97	235.94	238.91	244.84	250.77	259.66	277.43	283.35	298.14	307.01	330.63	354.23	357.18
1321	52	162.26	168.73	171.96	181.65	194.57	205.86	226.82	230.05	252.59	255.81	259.03	265.46	271.90	281.54	300.82	307.25	323.29	332.92	358.55	384.16	387.36
1422	56	174.72	181.68	185.16	195.60	209.51	221.68	244.26	247.73	272.02	275.49	278.95	285.89	292.82	303.21	323.99	330.91	348.20	358.57	386.20	413.80	417.25
1524	60	187.29	194.76	198.49	209.68	224.60	237.65	261.86	265.59	291.64	295.36	299.08	306.51	313.95	325.10	347.38	354.80	373.35	384.48	414.12	443.73	447.43
1626	64	199.87	207.84	211.82	223.77	239.70	253.62	279.47	283.45	311.26	315.23	319.20	327.14	335.08	346.98	370.77	378.70	398.51	410.38	442.04	473.66	477.61
1727	68	212.32	220.79	225.02	237.72	254.64	269.44	296.91	301.13	330.68	334.90	339.12	347.56	356.00	368.65	393.93	402.36	423.41	436.04	469.69	503.30	507.50
1829	72	224.90	233.87	238.35	251.80	269.73	285.41	314.51	318.99	350.30	354.78	359.25	368.19	377.13	390.53	417.33	426.25	448.57	461.95	497.61	533.24	537.69
1930	76	237.35	246.82	251.55	265.75	284.68	301.23	331.95	336.67	369.73	374.45	379.17	388.61	398.05	412.20	440.49	449.92	473.47	487.60	525.25	562.87	567.57
2032	80	249.93	259.90	264.89	279.84	299.77	317.20	349.56	354.53	389.35	394.32	399.29	409.24	419.18	434.08	463.88	473.81	498.63	513.51	553.17	592.81	597.76
2134	84	262.51	272.98	278.22	293.92	314.86	333.17	367.16	372.39	408.97	414.19	419.42	429.86	440.31	455.97	487.27	497.71	523.78	539.42	581.09	622.74	627.94
2286	90	281.25	292.47	298.08	314.91	337.35	356.97	393.40	399.00	438.21	443.81	449.40	460.60	471.79	488.58	522.13	533.32	561.26	578.02	622.70	667.34	672.92
2337	92	287.54	299.01	304.75	321.96	344.89	364.96	402.20	407.93	448.02	453.74	459.47	470.91	482.36	499.52	533.83	545.26	573.84	590.98	636.66	682.31	688.01
2450	96,5	301.47	313.50	319.52	337.56	361.61	382.65	421.71	427.72	469.75	475.76	481.76	493.76	505.76	523.76	559.75	571.74	601.70	619.68	667.59	715.47	721.45
2540	100	312.57	325.04	331.28	349.99	374.93	396.75	437.25	443.48	487.06	493.29	499.51	511.96	524.41	543.07	580.39	592.82	623.90	642.54	692.23	741.88	748.09

SAW - SPIRAL WELDED STEEL PIPE

Thickness (mm) Outside Diameter											
		12.7	14.0	14.3	15.0	15.9	16.0	17.5	18.0	18.3	19.0
		0.500	0.551	0.562	0.591	0.625	0.630	0.688	0.709	0.719	0.750
mm	Ins										
660	26	202.72	223.03	227.70	238.59	252.55	254.10	277.27	284.97	289.59	1300.33
711	28	218.69	240.63	245.68	257.45	272.54	274.22	299.28	307.61	312.60	324.23
762	30	234.67	258.24	263.67	276.32	292.54	294.34	321.29	330.25	335.62	348.13
813	32	250.64	275.85	281.65	295.18	312.54	314.46	343.30	352.88	358.63	372.02
864	34	266.61	293.45	299.64	314.05	332.53	334.59	365.31	375.52	381.65	395.92
914	36	282.27	310.72	317.27	332.54	352.14	354.31	386.88	397.72	404.21	419.34
965	38	298.24	328.32	335.25	351.41	372.14	374.44	408.89	420.35	427.22	443.24
1016	40	314.22	345.93	353.24	370.27	392.13	394.56	430.90	442.99	450.24	467.13
1067	42	330.19	363.54	371.22	389.13	412.13	414.68	452.91	465.63	473.26	491.03
1118	44	346.16	381.14	389.21	408.00	432.13	434.81	474.92	488.27	496.27	514.93
1168	46	361.82	398.41	406.84	426.49	451.73	454.53	496.50	510.46	518.83	538.35
1219	48	377.79	416.01	424.82	445.36	471.73	474.66	518.51	533.10	541.85	562.25
1321	52	409.74	451.23	460.79	483.09	511.72	514.90	562.53	578.38	587.88	610.04
1422	56	441.37	486.10	496.41	520.45	551.32	554.75	606.11	623.21	633.46	657.36
1524	60	473.31	521.31	532.38	558.18	591.32	595.00	650.13	668.48	679.49	705.15
1626	64	505.26	556.53	568.35	595.91	631.31	635.24	694.15	713.76	725.52	752.94
1727	68	536.89	591.40	603.96	633.27	670.91	675.09	737.73	758.59	771.10	800.27
1829	72	568.83	626.61	639.93	671.00	710.91	715.34	781.75	803.87	817.13	848.06
1930	76	600.46	661.48	675.55	708.36	750.51	755.19	825.34	848.70	862.71	895.38
2032	80	632.41	696.69	711.52	746.09	790.50	795.43	869.36	893.97	908.74	943.17
2134	84	664.35	731.91	747.49	783.82	830.49	835.68	913.38	939.25	954.77	990.96
2286	90	711.96	784.39	801.09	840.04	890.09	895.65	978.97	1,006.72	1,023.36	1,062.18
2337	92	727.93	801.99	819.07	858.91	910.09	915.77	1,000.98	1,029.36	1,046.38	1,086.08
2450	96,5	763.32	841.00	858.92	900.71	954.40	960.36	1,049.75	1,079.52	1,097.37	1,139.02
2540	100	791.50	872.08	890.66	934.00	989.68	995.87	1,088.58	1,119.47	1,137.99	1,181.19

STEEL GRADE AVAILABILITY

- SANS 1 431 Gr. 300WA
- API 5L X42 to PSL 1
- API 5L X52; X65 to PSL 1 or 2
- Other grades available on request

DIAMETER RANGE

- From 660 mm to 2540 mm
- Any other diameters / thicknesses available on request

LENGTHS

- 9.144 metres (30 Feet)
- 12.192 metres (40 Feet)
- 18.288 metres (60 Feet)
- 14.3 mm to 19mm wall thickness
- Availability and steel grade to be confirmed & dependant on design requirements.

Two spiral mills feature the latest welding and ultrasonic technology for the manufacture of spiral welded pipe. The mills conform to the highest specifications required by leading water, oil and gas customers.

ERW- ELECTRIC RESISTANCE WELDED STEEL PIPE

Thickness (mm) Outside Diameter		Wall Thickness (mm)														
		4.5	4.8	5.0	5.6	6.0	6.4	7.0	7.8	8.0	8.7	9.3	9.5	10.0	12.0	12.7
		0.177	0.188	0.197	0.219	0.237	0.250	0.277	0.307	0.315	0.344	0.365	0.375	0.394	0.472	0.500
mm	Ins															
219.1	8	23.81	25.37	26.40	29.48	31.53	33.57	36.61	40.64	41.65	45.14	48.12	49.10	51.56	61.29	64.64
273.1	10	29.81	31.76	33.06	36.94	39.52	42.09	45.93	51.03	52.30	56.72	60.50	61.75	64.88	77.26	81.55
323.9	12	35.44	37.77	39.32	43.96	47.04	50.11	54.70	60.80	62.32	67.62	72.15	73.65	77.41	92.30	97.46
355.6	14	38.96	41.52	43.23	48.33	51.73	55.11	60.18	66.90	68.57	74.42	79.42	81.08	85.22	101.68	107.39
406.4	16	44.60	47.54	49.49	55.35	59.24	63.13	68.94	76.67	78.60	85.32	91.07	92.98	97.75	116.71	123.30
457	158	50.21	53.53	55.73	62.34	66.73	71.12	77.68	86.40	88.58	96.18	102.67	104.84	110.23	131.68	139.15
508	20	55.87	59.56	62.02	69.38	74.28	79.16	86.48	96.21	98.64	107.12	114.37	116.78	122.81	146.78	155.12
610	24	67.19	71.64	74.60	83.47	89.37	95.26	104.09	115.83	118.76	129.00	137.76	140.68	147.96	176.96	187.06

STEEL GRADE AVAILABILITY

- SANS 1 431 Gr. 300WA
- API 5L X42 to PSL 1
- API 5L X52; X65 to PSL 1 or 2
- Other grades available on request

DIAMETER RANGE

- From 219.1 mm to 610 mm
- Any other diameters / thicknesses available on request

LENGTHS

- 9.144 metres (30 Feet)
- 12.192 metres (40 Feet)
- 18.288 metres (60 Feet)
- Other lengths available on request

TUBING AND CASING

- To API 5CT - J55 (Optional: Fully Upgradable Material)
- Regular and alternative drifts available
- Threading and value add available on request

The ERW manufacturing process features state-of-the-art in-line quality monitoring stations at each stage of production.

These include: Steel Strip Lamination Inspection; Round forming which ensures perfect shape and edge geometry which is required for a consistent quality weld; Hi Frequency Electric Welder ensures full control of the welding process; In-line Ultrasonic Systems monitor the weld integrity and measure weld bead geometry after internal and external scarfing; Seam Annealing; Sizing, Cut-off and Bevelling which completes final pipe geometry, Hydrostatic Testing and Final Ultrasonic Inspection.

ROLLED ROUND TUBING

HOT ROLLED ROUND STRUCTURAL TUBING

OD (mm)	Stock Grades	Stock Lengths	Wall Thickness mm & KG's per metre								
			1.6	2.0	2.5	3.0	3.5	4.0	4.5	5.0	6.0
15.8	CQ	6m	0.56								
19.1	CQ	6m	0.69	0.84							
21.4	CQ	6m	0.78	0.96	1.17						
25.4	CQ	6m	0.94	1.15	1.41						
26.9	CQ	6m	1.00	1.23	1.50	1.77					
32	CQ	6m	1.20	1.48	1.82	2.15					
34.1	CQ	6m	1.28	1.58	1.95	2.30	2.64	2.97			
38.1	CQ	6m	1.44	1.78	2.19	2.60	2.99	3.36			
42.8	CQ	6m	1.63	2.01	2.48	2.94	3.39	3.83			
48.5	CQ	6m	1.85	2.29	2.84	3.37	3.88	4.39	4.88		
50.8	CQ	6m	1.94	2.41	2.98	3.54	4.08	4.62	5.14		
57.1	CQ	6m	2.19	2.72	3.37	4.00	4.63	5.24	5.84		
60.3	CQ	6m	2.32	2.88	3.56	4.24	4.90	5.55	6.19		
63.5	CQ	6m	2.44	3.03	3.76	4.48	5.18	5.87	6.55		
76.2	CQ	6m	2.94	3.66	4.54	5.42	6.27	7.12	7.96	8.78	21.67
88.9	CQ	6m	3.44	4.29	5.33	6.35	7.37	8.37	9.37	10.34	12.27

Continued on next page >

ROLLED ROUND TUBING

HOT ROLLED ROUND STRUCTURAL TUBING

OD (mm)	Stock Grades	Stock Lengths	Wall Thickness mm & KG's per metre								
			1.6	2.0	2.5	3.0	3.5	4.0	4.5	5.0	6.0
101.6	CQ	6m	3.95	4.91	6.11	7.29	8.47	9.63	10.78	11.91	14.14
114.3	CQ	6m		5.54	6.89	8.23	9.56	10.88	12.18	13.48	16.02
127	CQ	6m		6.17	7.68	9.17	10.66	12.13	13.59	15.04	17.90
139.7	CQ	6m				10.11	11.76	13.39	15.00	16.61	19.78
152.4	CQ	6m				11.05	12.85	14.64	16.41	18.17	21.66
165.1	CQ	6m				11.99	13.95	15.89	17.82	19.74	23.54
177.8	CQ	6m				12.93	15.04	17.14	19.23	21.31	25.42
193.70	CQ	6m					16.42		21.00		27.77
219.1	CQ	6m					18.61		23.81		31.53



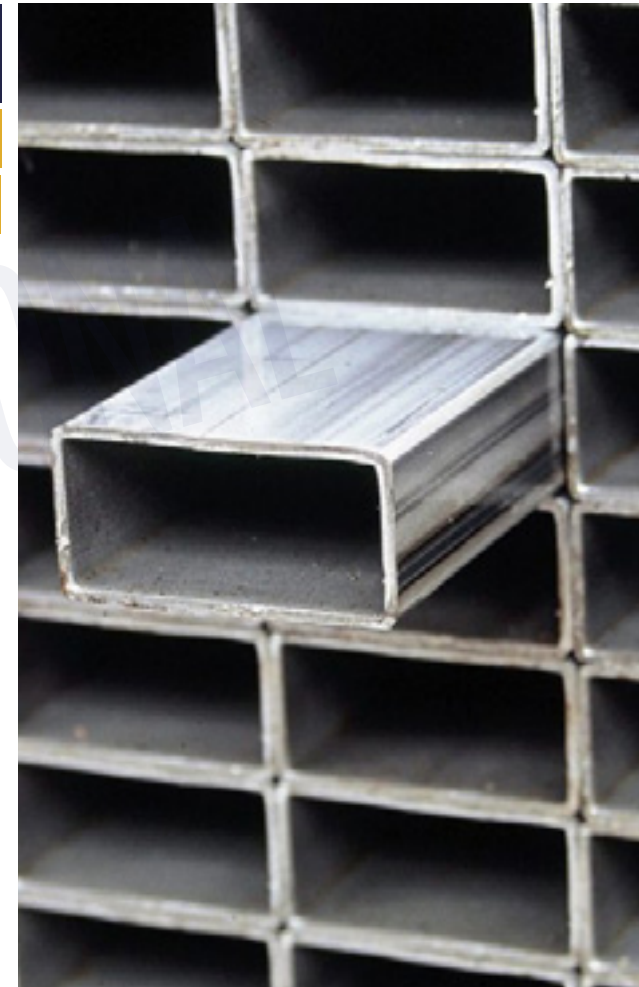
All other sizes available on request.

RECTANGULAR TUBING

HOT ROLLED SQUARE TUBING

Thickness (mm)		Stock Grades	Stock Lengths	Wall Thickness mm & KG's per metre								
D1	D2			1.6	2.0	2.5	3.0	3.5	4.0	4.5	5.0	6.0
25	12	CQ	6m	0.939								
32	19	CQ	6m	1.182	1.47							
38	19	CQ	6m	1.44	1.78	1.84	2.47	2.83	3.19			
38	25	CQ	6m	1.52	1.88	2.09	2.76					
50	25	CQ	6m	1.85	2.24	2.33	3.36	3.88	4.38			
50	38	CQ	6m	2.19	2.72	2.83	4.01	4.57	5.17			
63	25	CQ	6m	2.19	2.72	3.37	4.01	4.57	5.17			
76	25	CQ	6m	2.19	3.03	3.37	4.48	5.18	5.87			
60	40	CQ	6m	2.44	3.03	3.76	4.48	5.18	5.87	6.55		
76	38	CQ	6m	2.82	3.50	3.76	5.18	6.00	6.81	7.60		
76	50	CQ	6m	3.12	3.66	4.35	5.70	6.60	7.50	8.38		
80	40	CQ	6m	3.09	3.66	4.78	5.42	6.28	7.12	7.96		
100	50	CQ	6m	3.70	4.61	4.55	6.81	7.90	8.98	10.04	11.10	16.03
120	60	CQ	6m	3.69	5.54	5.70	8.24	9.57	10.88	12.19	13.48	17.91
120	80	CQ	6m		6.17	6.89	9.18	10.66	12.14	13.60	15.05	21.67
160	80	CQ	6m			7.68	11.06	12.85	14.64	16.41	18.18	
200	100	CQ	6m				14.13		18.75	21.03	23.30	27.82

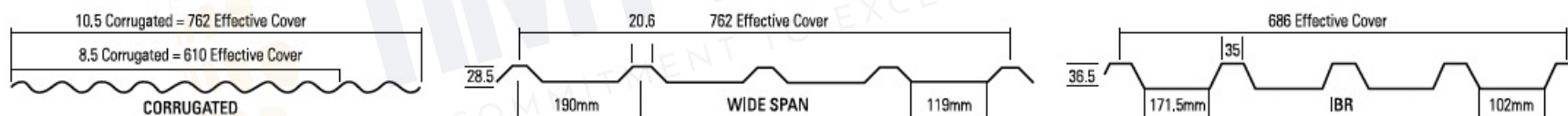
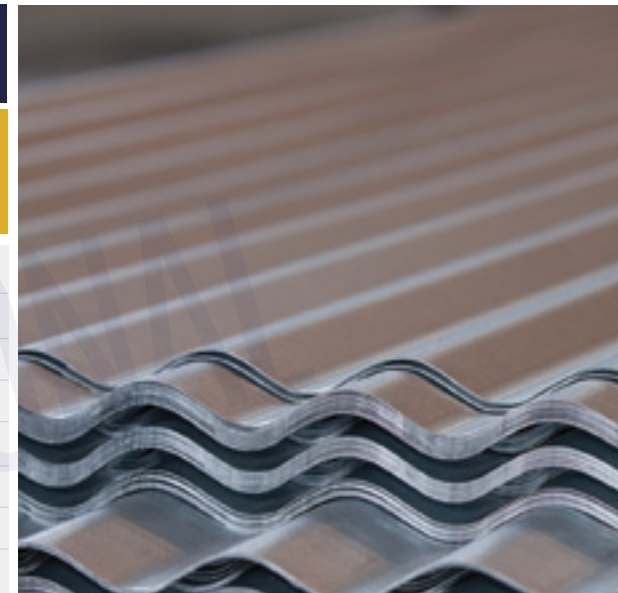
All other sizes available on request.



ROOFING

ROOFING SHEETS

ZN Grams/SQM	Thickness	Steel Grade	KG's Per Metre				COLOUR COATED
			8.5 Corrugated	10.5 Corrugated	Widespan	IBR	
			610 mm coverage	762 mm coverage	762 mm coverage	686 mm coverage	
Z100	0.25	ISO550 FH	1.530	1.836	1.836	1.836	2.974
Z100	0,27	ISO550 FH	1.653	1.983	1.983	1.983	3.494
Z100	0.30	ISO550 FH	1.837	2.204	2.204	2.204	3.718
Z100/Z150	0.40	ISQ550 FH		2.974	2.974	2.974	4.312
Z150/Z275	0.47	ISO550 FH		3.494	3.494	3.494	5.949
Z150/Z275	0.50	ISQ550 FH		3.718	3.718	3.718	
Z275	0.58	ISO300 FH		4.312	4.312	4.312	
Z275	0.80	ISQ230 FH		5.949	5.949	5.949	



- Available in Galvanised, Zinal, Aluzinc and colour coated material.
 - Roofing sheets can be rolled to any length from 1 to 13 metres.
 - If the KG per metre box is populated, it is available in the profile at the head of the column.
 - We also provide bull nosing, cranking/curving of roof sheets and other accessories such as flashing, translucent sheeting etc.
- Ask your sales representative for more information.

THEORETICAL CALCULATIONS

1
$$\frac{\text{Length} \times \text{Width} \times \text{Thickness} \times 8.039}{1000 \times 1000}$$

2
$$\frac{\text{Length} \times \text{Width} \times \text{Thickness} \times 7.85}{1000 \times 1000}$$

3
$$\text{O.D minus } 2 \times \text{wall thickness}$$

4
$$\text{O.D minus Wall} \times \text{Wall} \times 0.02466$$

 Sample 50.8 x 2.0 ROUND AD E CORE STEEL
 Calculation: $50.8 - 2.0 = 48.8 \times 2 = 97.6 \times 0.02466 = 2.40\text{kg/metre}$

5 To calculate the mass of a square or rectangular tube, first work out the round 'input' size and then the mass of the round tube. Round 'input' size for square or rectangular tube.

$$\frac{\text{Side A} + \text{Side B} \times 2}{3.142}$$

Sample - 50.8 x 25.4 Rectangular
 Calculation: $50.8 + 25.4 = 76.2$
 $76.2 \times 2 = 152.4$
 $\frac{152.4}{3.142} = 48.5$

6
$$\frac{\text{Rands per Ton}}{\frac{\text{Price per Unit} \times 1000}{\text{Mass}}}$$

7
$$\text{Round Bar: } D \times D \times 0.00616 = \text{kg/metre}$$

8
$$\text{Hexagonal Bar: } D \times D \times 0.0068 = \text{kg/metre}$$

9
$$\text{Square Bar: } D \times D \times 0.00787$$

10
$$\text{Flat Bar: } D \times T \times 0.00786$$