

BOLIDE

INFRASTRUCTURE SOLUTIONS

PRODUCT CATALOGUE

Mesh, Bars, Wire, Steel & Everything In-Between

NJR Steel Exports Authorised Distributor for Zambia · BestFence Accredited · SABS
Compliant Materials · NCC Grade 5 Registered

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Note: page numbers reflect the original supplier reference document plus new sections added at the end. Use Ctrl+F / Cmd+F to search this PDF for a specific product.



REINFORCING MESH

COMMERCIAL QUALITY

REFERENCE CODE	NOMINAL PITCH OF WIRES (mm)		NOMINAL DIAMETER OF WIRES (mm)		NOMINAL MASS kg/m ²
	LONGITUDINAL	CROSS	LONGITUDINAL	CROSS	
617	200	200	10	10	6,17
500	200	200	9	9	5,00
395	200	200	8	8	3,95
311	200	200	7,1	7,1	3,11
245	200	200	6,3	6,3	2,45
193	200	200	5,6	5,6	1,93
100	200	200	4,0	4,0	1,00
772	100	200	10	7,1	7,72
655	100	200	9	7,1	6,55
517	100	200	8	6,3	5,17
433	100	200	7,1	6,3	4,33
341	100	200	6,3	5,6	3,41
289	100	200	5,6	5,6	2,89
278	100	300	6,3	4,0	2,78
226	100	300	5,6	4,0	2,26
133	100	300	4,0	4,0	1,33

DIAMETER	ACTUAL SIZE	MASS (kg/m ²)	AREA (mm ²)
10		0,617	78,54
9		0,500	63,62
8		0,395	50,27
7,1		0,311	39,59
6,3		0,245	31,17
5,6		0,193	24,63
4,0		0,100	12,57

REFERENCE CODE	NOMINAL PITCH (mm)		NOMINAL DIAMETER (mm)		CROSS-SECTIONAL AREA P.M WIDTH		NOMINAL MASS kg/m ²
	LONGITUDINAL	CROSS	LONGITUDINAL	CROSS	LONGITUDINAL	CROSS	
888	200	200	12	12	565	565	8,88
746	200	200	11	11	475	475	7,46
617	200	200	10	10	393	393	6,17
500	200	200	9	9	318	318	5,00
395	200	200	8	8	251	251	3,95
311	200	200	7,1	7,1	197	197	3,11
*245	200	200	6,3	6,3	156	156	2,45
*193	200	200	5,6	5,6	123	123	1,93
*100	200	200	4	4	63	63	1,00
1085	100	200	12	8	1131	251	10,85
943	100	200	11	8	950	251	9,43
772	100	200	10	7,1	786	197	7,72
655	100	200	9	7,1	636	197	6,55
517	100	200	8	6,3	503	156	5,17
433	100	200	7,1	6,3	396	156	4,33
*341	100	200	6,3	5,6	312	123	3,41
*289	200	200	5,6	5,6	246	123	2,89
*278	100	300	6,3	4	312	42	2,78
*226	100	300	5,6	4	246	42	2,26
*133	100	300	4	4	126	42	1,33

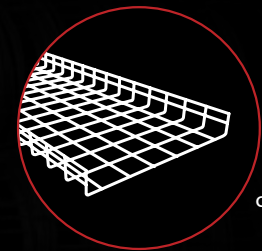
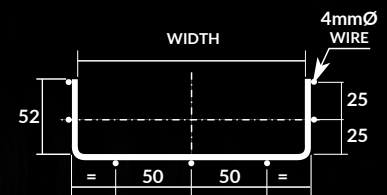
WIRE TYPE	WIRE DIAMETER (mm)	WIDTH (mm)	LENGTH (m)	ROLL WGHT (kg)	SUGGESTED APPLICATION	UNITS P/B
Galvanised	1.6 - 2.8	57, 75	12, 15, 20	0.72 - 3.0	Half-brick walls (e.g., internal partitions), garden walls	500
		110, 150	12, 15, 20	0.72 - 3.0	Single-leaf brick walls, standard residential walls	250
		230	12, 15, 20	0.72 - 3.0	Double-leaf brick walls, retaining walls, high-load structures	250
Black Wire	1.6 - 2.8	57, 75	12, 15, 20	0.72 - 3.0	Half-brick walls, general masonry, non-corrosive environments	500
		110, 150	12, 15, 20	0.72 - 3.0	Single-leaf walls, standard construction	250
		230	12, 15, 20	0.72 - 3.0	Double-leaf walls, high-strength applications, retaining walls	250

- **High Strength:** All brickforce is rated at 550MPa for optimal tensile strength and crack resistance.
- **Versatile Range:** Our various widths cater to all standard brick and block sizes on the market.
- **Convenient Packaging:** Bundles are clearly marked for easy transport and inventory management on site.
- **Corrosion Protection:** Our galvanised brickforce is ideal for projects in coastal or high-moisture areas.

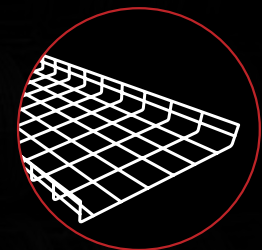
CABLE TRAYS

COMMERCIAL QUALITY

CODE	CABLE TRAYS - BLACK	KG
WWMD50/1	4mm x 50mm (wide tray) x 50 x 100 (apertures)	2.30
WWMD50	4mm x 50mm (wide tray) x 50 x 50 (apertures)	2.72
WWMD100/1	4mm x 100mm (wide tray) x 50 x 100 (apertures)	2.40
WWMD100	4mm x 100mm (wide tray) x 50 x 50 (apertures)	3.00
WWMD150/1	4mm x 150mm (wide tray) x 50 x 100 (apertures)	2.90
WWMD150	4mm x 150mm (wide tray) x 50 x 50 (apertures)	3.60
WWMD200/1	4mm x 200mm (wide tray) x 50 x 100 (apertures)	3.30
WWMD200	4mm x 200mm (wide tray) x 50 x 50 (apertures)	4.20
WWMD300/1	4mm x 300mm (wide tray) x 50 x 100 (apertures)	4.30
WWMD300	4mm x 300mm (wide tray) x 50 x 100 (apertures)	5.40
WWMD400/1	4mm x 400mm (wide tray) x 50 x 100 (apertures)	5.20
WWMD400	4mm x 400mm (wide tray) x 50 x 50 (apertures)	6.70
WWMD500/1	4mm x 500mm (wide tray) x 50 x 100 (apertures)	6.10
WWMD500	4mm x 500mm (wide tray) x 50 x 50 (apertures)	7.90
WWMD600/1	4mm x 600mm (wide tray) x 50 x 100 (apertures)	7.00
WWMD600	4mm x 600mm (wide tray) x 50 x 50 (apertures)	9.10



WWMD CABLE TRAY (50X50)



WWMD CABLE TRAY (100X50)

SPECIMESH

COMMERCIAL QUALITY

CODE	SPECIMESH 2400 X 1200	KG
WWMBS12002400050050315	3.15mm X 50 X 50	7.20
WWMBS12002400050025315	3.15mm X 25 X 50	11.40
WWMBS12002400050050400	4mm X 50 X 50	12.00
WWMBS12002400050025315	4mm X 25 X 50	18.00
WWMBS12002400050050500	5mm X 50 X 50	18.00
WWMBS120002400050025500	5mm X 25 X 50	27.00











ROUND BAR

MILD STEEL

NOMINAL SIZE mm	THEORETICAL MASS kg/m	LENGTHS AVAILABLE
6,0	0,22	6, 12, 13m
8,0	0,40	6, 12, 13m
10	0,62	6, 12, 13m
12	0,89	6, 12, 13m
14	1,21	6, 12, 13m
16	1,58	6, 12, 13m
18	2,00	6, 12, 13m
20	2,47	6, 12, 13m

NOMINAL SIZE mm	THEORETICAL MASS kg/m	LENGTHS AVAILABLE
22	2,98	6, 12, 13m
24	3,55	6, 12, 13m
25	3,85	6, 12, 13m
30	5,55	6, 12, 13m
32	6,31	6, 12, 13m
35	7,55	6, 12, 13m
36	7,99	6, 12, 13m
38	8,90	6, 12, 13m
40	9,87	6, 12, 13m

ACTUAL WIRE DIAMETER (MM)								
Diameter	12.0	10.0	8.0	7.1	6.3	6.0	5.6	4.0
Kg / m	0.89	0.62	0.39	0.31	0.24	0.22	0.19	0.10
Kg / 6m	5.32	3.70	2.37	1.86	1.47	1.33	1.16	0.59

SMOOTH BAR



REINFORCING BAR



COMPARISON TABLE

FEATURE	500CW REBAR (SANS 920)	B500B REBAR (EN 10080/BS4449)
Standard	South Africa: SANS 920	Europe/UK: EN 20080/BS4449
Yield Strength	>500 MPa	>500 MPa
Production Process	Cold-Worked, Weldable	Hot-Rolled, Ribbed, Weldable
Letter Meaning	C = Cold-Worked W = Weldable	B = Ductility Class B
Ductility Classification	Not explicitly classified	Class B (Medium Ductility)
Typical Diameters	6mm - 40mm	8mm - 40mm
Common Use	South Africa & Regional Projects	Europe, UK, Middle East, International Projects

DEFORMED BAR

REINFORCED STEEL

NOMINAL SIZE mm	THEORETICAL MASS kg/m	LENGTHS AVAILABLE
6	0,22	6, 12, 13m
8	0,40	6, 12, 13m
10	0,62	6, 12, 13m
12	0,89	6, 12, 13m
16	1,58	6, 12, 13m
20	2,47	6, 12, 13m
25	3,85	6, 12, 13m
32	6,31	6, 12, 13m
40	9,86	6, 12, 13m

NAME	MPA STRENGTH
B500B	500
WIRE ROD	250-300
HARD DRAWN WIRE	500

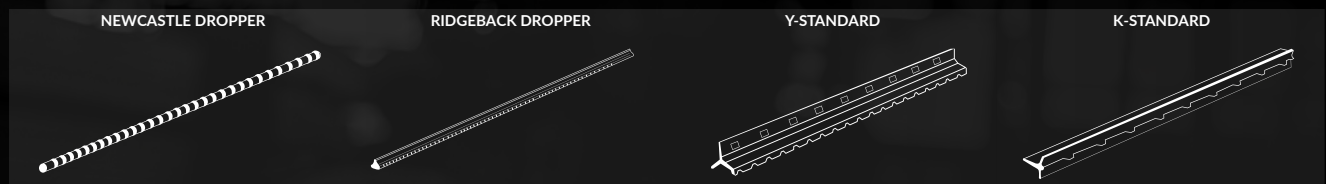
DROPPERS & STANDARDS



MILD STEEL

LENGTH mm	Y-PROFILE 2,0 kg/m	Y-PROFILE 2,3 kg/m	RIDGEBACK DROPPERS 0,58 kg/m
950			1,815
1100			1,567
1250			1,379
1400	357		1,232
1550	323		1,112
1700	294		1,014
1850	270	235	932
2450	204	177	704
3050	164	142	

PROFILE	Y-PROFILE 2,0 & 2,3 kg/m	RIDGEBACK DROPPERS 0,58 kg/m
Holes	With or Without	No
	1,400	0,950
	1,550	1,100
Standard length (mm)	1,700	1,250
	1,850	1,400
	2,450	1,550
	3,050	1,850
		2,450



LIP CHANNELS

MILD STEEL

THICKNESS (mm) SIZE (mm)	2,0	2,5	3,0
	KG/MTR		
75 x 50 x 20	3,13	3,83	4,50
100 x 50 x 20	3,52	4,32	5,09
100 x 75 x 20	4,32	5,31	6,27
125 x 50 x 20	3,91	4,81	5,68
125 x 65 x 20	4,39	5,40	6,39
125 x 75 x 20	4,70	5,80	6,86
150 x 50 x 20	4,31	5,31	6,27
150 x 65 x 20	4,78	5,90	6,98
150 x 75 x 20	5,09	6,29	7,45
175 x 50 x 20	4,70	5,80	6,86
175 x 65 x 20	5,17	6,39	7,57
175 x 75 x 20	5,49	6,78	8,04
200 x 50 x 20	5,09	6,29	7,45
200 x 65 x 20	5,56	6,88	8,16
500 x 75 x 20	5,88	7,27	8,63
225 x 50 x 20	5,49	6,78	8,04
225 x 65 x 20	5,96	7,37	8,75
225 x 75 x 20	6,27	7,76	9,22
250 x 50 x 20	5,88	7,27	8,63
250 x 65 x 20	6,35	7,86	9,34
250 x 75 x 20	6,67	8,25	9,81

SQUARE BAR

MILD STEEL

NOMINAL SIZE mm	THEORETICAL MASS kg/m	LENGTHS AVAILABLE
6	0,28	
8	0,50	
10	0,79	6m
12	1,13	6m
16	2,01	6m
20	3,14	6m
25	4,91	
30	7,07	
35	9,62	6m
40	12,60	6m
45	15,90	6m
50	19,60	6m

RAILS

MINES & SIDINGS GRADE 700

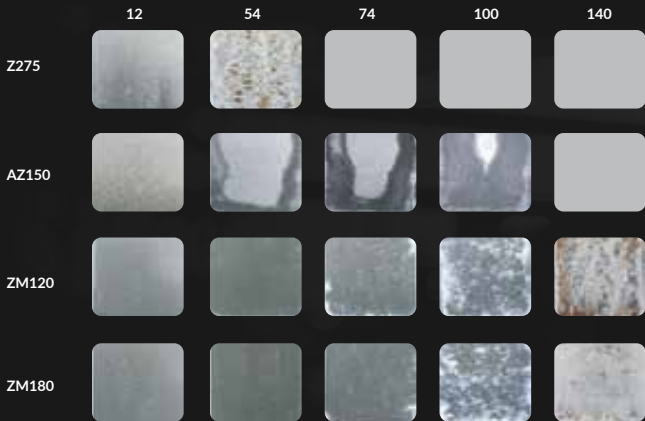
NOMINAL SIZE mm	THEORETICAL MASS kg/m	LENGTHS AVAILABLE
15	14,91	7,5
22	22,54	9,0
30	30,15	9,0
40	40,30	12,0
48	47,60	12,0
57	57,40	



ZINCALMAG LIP CHANNELS

COMMERCIAL QUALITY

CYCLIC AGING TEST RESULTS



WHAT COATING SHOULD I GO FOR?

Galvanized	Aluzinc	ZincalMag
Z200	AZ100	ZAM60
Z275	AZ150	ZAM90
Z300	AZ170	ZAM100
Z450	N/A	ZAM150

HOW AVAILABLE IS ZAM?

- Vulcania is stocking ZAM in the following thickness ranges: 0.90mm, 0.96mm, 1.16mm, 1.50mm, 1.90mm and 2.0mm.
- Coating layers of ZAM120 and ZAM150 are available.
- Vulcania is offering lipped channel in both the traditional 250MPa steel as well as 450MPa high strength grades.
- Any grade and thickness of ZAM can be brought in on contract deals.

MATERIAL COMPARISON

AZ COATING

Continuous hot dipped process
 55% Aluminium
 43.5% Zinc
 1.5% Silicon
 Balance % trace elements

Superior corrosion resistance:

Aluminium offers barrier protection.
 Zinc offers sacrificial protection.
 *AZ 150 after 240 hours of salt spray testing
 no signs of deteriorating.

Excellent heat reflectivity:

Roofing applications: creates a cooler internal temperature in summer and a warmer temperature in winter due to reflection.
 Appliance Application: AZ increases the appliance's efficiency therefore lower energy consumption.

Heat Resistance:

AZ can reach temperatures up to 675°C
 Product can be used up to 538°C before decolouration

Superior cut edge protection
 Superior formability
 Superior weld ability: generates less Zinc fumes
 Small, uniform
 unique spangle
 Silver, white in colour
 Matt finish



GI COATING

Continuous hot dipped process
 0.2% Aluminium
 99.7% Zinc

Balance % trace elements

Superior corrosion resistance:

Zinc offers sacrificial protection.
 *Z275 after 240 hours of salt spray testing
 signs of red dust appear

Excellent heat reflectivity:

Due to low reflection values the heat loss is greater creating a hotter internal temperature in summer and a colder temperature in winter.

Heat Resistance:

GI can reach temperatures up to 480°C
 Product can be used up to 232°C before decolouration

Superior cut edge protection
 Superior formability
 Medium weld ability
 Medium / Large
 irregular spangle
 Silver, grey in colour
 Shiny, bright finish



CONCEALMENT CHANNELS

MILD STEEL

TWO THICKNESS VARIATIONS:

Material: Electro-galvanized Mild Steel

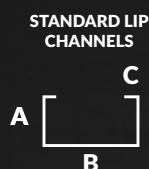
0.6mm (1.56 kg per 2.45m length)
 0.8mm (2.11 kg per 2.45m length)

DIMENSIONS:

B - Width: 90mm

A - Height: 15mm

C - Depth: 10mm

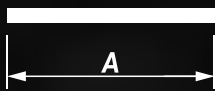

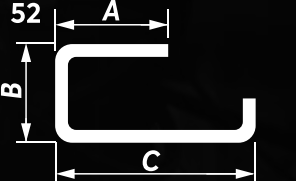
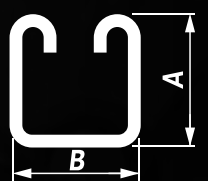
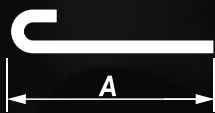
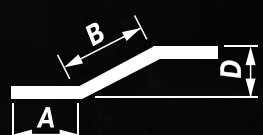
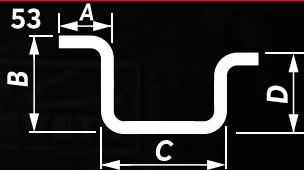


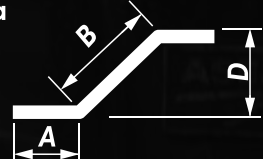
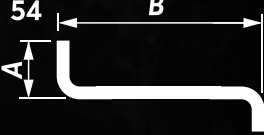

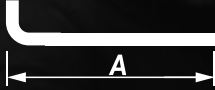
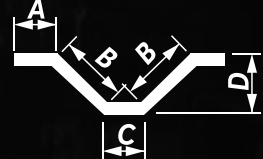

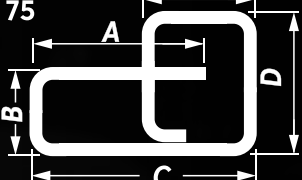
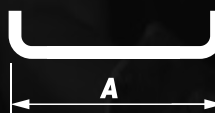

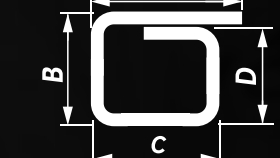


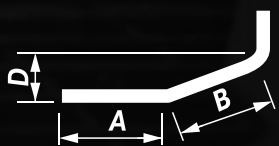

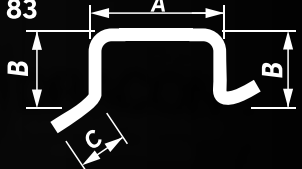
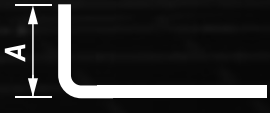
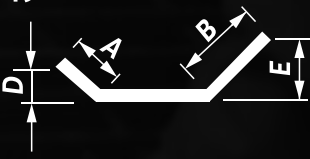
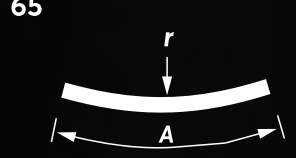
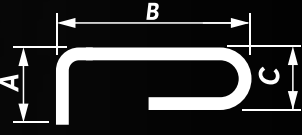
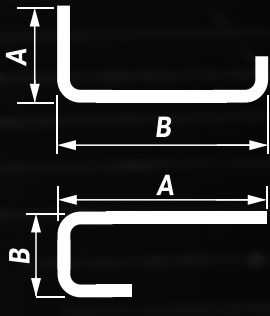

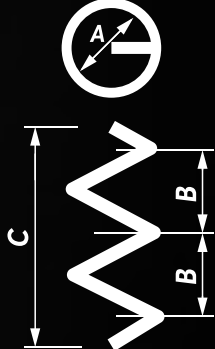


Length: 2.45m (convenient to handle and manage for DIY projects)



BENDING SCHEDULES

COMMON BENDING SHAPES

20 	39 	52 	72 
32 	41  <i>D shall be at least 2a</i>	53 	73 
33 	42 	54 	74 
34 	43 	55 	75 
35 	45 	60 	81 
36 	48 	62 	83 
37 	49 	65 	85 
38 	51 	86 	



THREADED RODS

COMMERCIAL QUALITY

CODE	CABLE TRAYS - BLACK	KG
M06X1TR	M06 X 1 METRE M/S THR ROD	0.18
M06X3TR	M06 X 3 METRE M/S THR ROD	0.53
M08X1TR	M08 X 1 METRE M/S THR ROD	0.32
M08X3TR	M08 X 3 METRE M/S THR ROD	0.96
M10X1TR	M10 X 1 METRE M/S THR ROD	0.50
M10X3TR	M10 X 3 METRE M/S THR ROD	1.49
M12X1TR	M12 X 1 METRE M/S THR ROD	0.73
M12X3TR	M12 X 3 METRE M/S THR ROD	2.18
M16X1TR	M16 X 1 METRE M/S THR ROD	1.33
M16X3TR	M16 X 3 METRE M/S THR ROD	3.99

USB GREEN, DPC

GENERAL PURPOSE SHEETING

USB MEMBRANES	250µ	250µ	250µ	170µ	250µ	250µ	250µ	250µ	250µ	250µ	ACCESSORIES
Colour	Green	Green	Green	Green	Black	Black	Black	Black	Black	Black	Joining Tape
Width	3m	4m	6m	3m	1m	2m	3m	4m	6m		RDA Clear
Length	30m	30m	30m	30m	30m	30m	30m	30m	30m	30m	24mm or 48mm
m2	90m2	120m2	180m2	90m2	30m2	60m2	90m2	120m2	180m2	180m2	33m
Kg/Roll	22.89Kg	30.40Kg	45.67Kg	15.50Kg	7.63Kg	15.26Kg	22.89Kg	30.53Kg	45.79Kg		
Code	15024	15022	15020	14600	10000	10010	10015	10020	10030		21511 / 21506

DAMP PROOF COURSE	375µ	375µ	375µ	375µ	375µ	375µ
Colour	Black	Black	Black	Black	Black	Black
Width	110mm	150mm	225mm	300mm	340mm	450mm
Length	40m	40m	40m	40m	40m	40m
m2	4.4m2	6.0m2	9.0m2	12.0m2	13.6m2	18.0m2
Kg/Roll	1.70Kg	2.30Kg	3.40Kg	4.60Kg	5.20Kg	6.80Kg
Code	11000	11005	11011	11015	11020	11025

DAMP PROOF COURSE	250µ	250µ	250µ
Colour	Blue/Black	Blue/Black	Blue/Black
Width	110mm	150mm	225mm
Length	40m	40m	40m
m2	4.4m2	6.0m2	9.0m2
Kg/Roll	1.12Kg	1.53Kg	2.29Kg
Code	15801	15802	15803

FLAT BAR

MILD STEEL

NOMINAL SIZE mm	THEORETICAL MASS kg/m	LENGTHS AVAILABLE
12 x 3	0,32	6m
16 x 3	0,39	6m
20 x 3	0,48	6m
20 x 5	0,79	6m
20 x 6	0,94	6m
20 x 8	1,26	6m
20 x 10	1,57	6m
25 x 3	0,60	6m
25 x 4,5	0,88	6m
25 x 5	0,98	6m
25 x 6	1,18	6m
25 x 8	1,57	6m
25 x 10	1,96	6m
25 x 12	2,36	6m
30 x 4,5	1,06	6m
30 x 5	1,18	6m
30 x 6	1,41	6m
30 x 8	1,88	6m
30 x 10	2,36	6m
30 x 12	2,83	6m
35 x 5	1,37	6m
40 x 4,5	1,41	6m
40 x 5	1,57	6m
40 x 6	1,88	6m
40 x 8	2,51	6m
40 x 10	3,14	6m
40 x 12	3,77	6m
40 x 16	5,02	6m
40 x 20	6,28	6m
40 x 25	7,85	6m
47,6 x 5	1,87	6m
50 x 5	1,96	6m
50 x 6	2,36	6m
50 x 8	3,14	6m
50 x 10	3,93	6m
50 x 12	4,71	6m
50 x 16	6,28	6m
50 x 20	7,85	6m
50 x 25	9,81	6m

NOMINAL SIZE mm	THEORETICAL MASS kg/m	LENGTHS AVAILABLE
60 x 6	2,83	6m
60 x 8	3,77	6m
60 x 10	4,71	6m
60 x 12	5,65	6m
60 x 16	7,54	6m
60 x 20	9,42	6m
60 x 25	11,80	6m
60 x 30	14,13	6m
65 x 6	3,06	6m
65 x 8	4,08	6m
65 x 10	5,10	6m
65 x 12	6,12	6m
65 x 16	8,16	6m
65 x 20	10,20	6m
65 x 25	12,76	6m
70 x 6	3,30	6m
70 x 8	4,40	6m
70 x 10	5,50	6m
70 x 12	6,59	6m
70 x 16	8,79	6m
70 x 20	10,99	6m
80 x 6	3,77	6m
80 x 8	5,02	6m
80 x 10	6,28	6m
80 x 12	7,54	6m
80 x 16	10,05	6m
80 x 20	12,56	6m
80 x 25	15,70	6m
80 x 30	18,84	6m
80 x 40	25,12	6m
90 x 6	4,24	6m
90 x 8	5,65	6m
90 x 10	7,07	6m
90 x 12	8,48	6m
90 x 16	11,30	6m
90 x 20	14,13	6m
90 x 25	17,66	6m



FLAT BAR

MILD STEEL

NOMINAL SIZE mm	THEORETICAL MASS kg/m	LENGTHS AVAILABLE
100 x 6	4,71	6m
100 x 8	6,28	6m
100 x 10	7,85	6m
100 x 12	9,42	6m
100 x 16	12,56	6m
100 x 20	15,70	6m
100 x 25	19,63	6m
100 x 30	23,55	6m
100 x 40	31,40	6m
100 x 50	39,25	6m
110 x 6	5,18	6m
110 x 8	6,91	6m
110 x 10	8,64	6m
110 x 12	10,36	6m
130 x 8	8,16	6m
130 x 10	10,21	6m
130 x 12	12,25	6m
130 x 16	16,33	6m
130 x 20	20,41	6m
130 x 25	25,51	6m
150 x 8	9,42	6m
150 x 10	11,78	6m
150 x 12	14,13	6m
150 x 16	18,84	6m
150 x 20	23,5	6m
150 x 25	29,44	6m
150 x 30	35,33	6m

NOMINAL SIZE mm	THEORETICAL MASS kg/m	LENGTHS AVAILABLE
180 x 10	14,13	9m
180 x 12	16,96	9m
180 x 16	22,61	9, 13m
180 x 20	28,26	13m
180 x 25	35,33	13m
200 x 10	15,70	9m
200 x 12	18,84	9m
200 x 16	15,12	9, 13m
200 x 18	28,26	
200 x 20	31,40	9, 13m
200 x 25	39,25	9, 13m
200 x 30	47,10	
250 x 10	19,60	9m
250 x 12	23,60	9m
250 x 14	31,40	9, 13m
250 x 18	35,30	
250 x 20	39,25	9, 11, 13m
250 x 25	49,06	9, 13m
250 x 30	58,88	13m
300 x 10	23,60	9m
300 x 12	28,30	9m
300 x 16	37,70	9, 13m
300 x 18	42,40	
300 x 20	47,10	9, 11, 13m
300 x 25	58,90	9, 13m
300 x 30	70,60	9, 13m
300 x 35	82,40	13m
300 x 40	94,20	13m
300 x 45	106,00	
300 x 50	118,00	
300 x 55	130,00	
300 x 65	153,00	

FLAT BAR

GRADE BS4360 55C

NOMINAL SIZE mm	THEORETICAL MASS kg/m	LENGTHS AVAILABLE
100 x 10	7,85	13m
100 x 12	9,42	13m
100 x 16	12,56	13m
100 x 20	15,70	13m
100 x 25	19,63	13m

NOMINAL SIZE mm	THEORETICAL MASS kg/m	LENGTHS AVAILABLE
130 x 12	12,25	13m
130 x 16	16,33	13m
130 x 20	20,41	13m
130 x 25	25,51	13m

EQUAL ANGLES



MILD STEEL/SABS 1431/S355

NOMINAL SIZE mm	THEORETICAL MASS kg/m	PAINT AREA m ² /ton	LENGTHS AVAILABLE
25 x 25 x 2	0,77		
25 x 25 x 2,5	0,95	102,20	6m
25 x 25 x 3	1,11	86,19	6m
25 x 25 x 4	1,45	67,00	
25 x 25 x 5	1,77	54,25	6m
30 x 30 x 2	0,95		
30 x 30 x 3	1,36	84,86	6m
30 x 30 x 4	1,77	65,40	
30 x 30 x 5	2,18	53,08	6m
40 x 40 x 2	1,29		
40 x 40 x 2,5	1,58	98,00	6m
40 x 40 x 3	1,87	83,99	6, 9, 13m
40 x 40 x 4	2,42	64,00	6, 13m
40 x 40 x 5	2,97	53,06	6,9,11,13m
40 x 40 x 6	3,52	44,04	6, 9, 13m
45 x 45 x 3	2,13	83,24	6, 13m
45 x 45 x 4	2,74	63,30	13m
45 x 45 x 5	3,38	51,51	6, 13m
45 x 45 x 6	4,00	43,52	
50 x 50 x 3	2,37	82,40	13m
50 x 50 x 4	3,06	63,40	13m
50 x 50 x 5	3,77	51,45	6,9,11,13m
50 x 50 x 6	4,47	43,41	6,9,11,13m
50 x 50 x 8	5,82	33,33	6, 13m
60 x 60 x 4	3,70	62,97	13m
60 x 60 x 5	4,57	51,04	6,9,11,13m
60 x 60 x 6	5,42	42,98	6,9,11,13m
60 x 60 x 8	7,09	32,89	6, 9, 13m
60 x 60 x 10	8,69	25,83	6, 13m

NOMINAL SIZE mm	THEORETICAL MASS kg/m	PAINT AREA m ² /ton	LENGTHS AVAILABLE
70 x 70 x 6	6,38	42,67	6,9,11,13m
70 x 70 x 8	8,36	32,57	6,9,11,13m
70 x 70 x 10	10,27	26,50	6, 9, 13m
80 x 80 x 6	7,34	42,44	6,9,11,13m
80 x 80 x 8	9,63	32,33	6,9,11,13m
80 x 80 x 10	11,86	26,25	6,9,11,13m
80 x 80 x 12	14,03	22,20	13m
90 x 90 x 6	8,30	42,17	9, 11, 13m
90 x 90 x 8	10,90	32,15	6,9,11,13m
90 x 90 x 10	13,45	26,07	9, 11, 13m
90 x 90 x 12	15,93	22,01	13m
100 x 100 x 8	12,18	31,99	6,9,11,13m
100 x 100 x 10	15,04	25,91	6,9,11,13m
100 x 100 x 12	17,83	21,85	6,9,11,13m
100 x 100 x 15	21,91	17,79	
120 x 120 x 8	14,71	31,91	9, 11, 13m
120 x 120 x 10	18,20	25,76	9, 11, 13m
120 x 120 x 12	21,62	21,68	9, 11, 13m
120 x 120 x 15	26,40	17,60	13m
150 x 150 x 10	22,98	25,48	9, 11, 13m
150 x 150 x 12	27,35	21,43	9, 11, 13m
150 x 150 x 15	33,77	17,35	9, 13m
150 x 150 x 18	40,06	14,63	9, 13m
200 x 200 x 16	48,50	16,17	9, 11, 13m
200 x 200 x 18	54,20	14,46	
200 x 200 x 20	59,90	13,09	13m
200 x 200 x 24	71,10		

UNEQUAL ANGLES

BS4360/43A & SABS 1413/S355

NOMINAL SIZE mm	THEORETICAL MASS kg/m	PAINT AREA m ² /ton	LENGTHS AVAILABLE
60 x 50 x 6	5,16	43,54	9, 11, 13m
60 x 50 x 8	6,75	33,31	13m
75 x 50 x 6	5,65	43,21	6,9,11,13m
75 x 50 x 8	7,39	33,02	9, 13m
80 x 60 x 6	6,37	42,91	9, 11, 13m
80 x 60 x 8	8,34	32,73	9, 13m
90 x 65 x 6	7,07	42,86	9, 11, 13m
90 x 65 x 8	9,29	32,64	9, 13m
90 x 65 x 10	11,40	25,50	13m
100 x 65 x 8	9,94	32,32	9, 11, 13m
100 x 65 x 10	12,30	26,23	13m

NOMINAL SIZE mm	THEORETICAL MASS kg/m	PAINT AREA m ² /ton	LENGTHS AVAILABLE
100 x 75 x 6	8,04	42,44	9, 11, 13m
100 x 75 x 8	10,57	32,29	9, 11, 13m
100 x 75 x 10	13,04	26,18	9, 13m
100 x 75 x 12	15,44	22,11	13m
125 x 75 x 8	12,16	32,11	9, 11, 13m
125 x 75 x 10	15,02	26,00	9, 13m
125 x 75 x 12	17,81	21,92	13m
150 x 75 x 10	16,98	25,94	9, 11, 13m
150 x 75 x 12	20,17	21,34	9, 13m
150 x 75 x 15	24,83	17,74	
150 x 90 x 10	18,18	25,84	9, 11, 13m
150 x 90 x 12	21,60	21,75	13m
150 x 90 x 15	26,62	17,64	13m



NOMINAL SIZE mm	THEORETICAL MASS kg/m	HEIGHT mm	WIDTH mm	FLANGE THICKNESS mm	WEB THICKNESS mm	PAINT AREA m ² /ton	LENGTHS AVAILABLE
57 x 51	6,84	57,2	50,8	6,1	6,1	42,90	6m
76 x 38	6,70	76,2	38,1	6,8	5,1	42,00	6,9,11,13m
76 x 38 (L)	5,90	76,2	38,1				
100 x 50	10,73	100,0	50,0	8,5	6,0	35,22	6,9,11,13m
100 x 50 (L)	8,87	100,0	50,0	7,0	5,0		
120 x 55	13,55	120,0	55,0	9,0	7,0	32,17	6,9,11,13m
127 x 64	14,93	127,0	63,5	9,2	6,4	32,09	6, 9, 13m
140 x 60	16,22	140,0	60,0	10,0	7,0	30,46	6,9,11,13m
152 x 76	17,91	152,4	75,2	9,0	6,4	32,10	6,9,11,13m
160 x 65	19,12	160,0	65,0	10,5	7,5	28,90	6,9,11,13m
178 x 54	14,55	177,8	54,0	8,3	5,8	37,42	9, 11, 13m
180 x 70	22,27	180,0	70,0	11,0	8,0	27,45	6,9,11,13m
200 x 75	25,30	200,0	75,0	11,5	8,5	26,13	6,9,11,13m
220 x 80	29,40	220,0	80,0	12,5	9,0	24,41	
229 x 76	26,10	229,0	76,0	11,2	7,6	27,82	
254 x 76	28,27	254,0	76,0	10,9	8,1	27,35	
254 x 89	35,70	254,0	89,0	13,6	9,1	22,93	
260 x 90	37,90	360,0	90,0	14,0	10,0	21,97	
300 x 100	46,20	300,0	100,0	16,0	10,0	20,57	
381 x 102	55,00	381,0	101,6	16,3	10,4	20,32	

CHANNELS PARRALEL FLANGE

SABS 1431/S355

NOMINAL SIZE mm	THEORETICAL MASS kg/m	HEIGHT mm	WIDTH mm	FLANGE THICKNESS mm	WEB THICKNESS mm	PAINT AREA m ² /ton	LENGTHS AVAILABLE
100 x 50	10,10	100,0	50,0	8,4	5,0	36,83	6,9,11,13m
180 x 70	21,10	180,0	70,0	10,9	7,0	28,58	9, 11, 13m
200 x 75	24,30	200,0	75,0	11,4	7,5	27,16	6,9,11,13m
230 x 90	32,20	230,0	90,0	14,0	7,5	24,68	6,9,11,13m
260 x 75	27,60	260,0	75,0	12,0	7,0	28,83	13m
260 x 90	34,80	260,0	90,0	14,0	8,0	24,77	9, 11, 13m
300 x 90	41,40	300,0	90,0	15,5	9,0	22,50	
300 x 100	45,40	300,0	100,0	16,5	9,0	21,30	9, 11, 13m

UNIVERSAL COLUMNS

BS4360/43A & SABS 1413/S355

NOMINAL SIZE mm	THEORETICAL MASS kg/m	HEIGHT mm	WIDTH mm	FLANGE THICKNESS mm	WEB THICKNESS mm	PAINT AREA m ² /ton	LENGTHS AVAILABLE
152 x 152	23,00	152,4	152,4	6,8	6,1	38,15	6,9,11,13m
152 x 152	30,00	157,5	152,9	9,4	6,6	29,87	9, 11, 13m
152 x 152	37,00	161,8	154,4	11,5	8,1	24,59	9, 11, 13m
203 x 203	46,10	203,2	203,2	11,0	7,3	25,71	9, 11, 13m
203 x 203	52,00	206,2	203,9	12,5	8,0	22,93	9, 11, 13m
203 x 203	60,00	209,6	205,2	14,2	9,3	20,17	9, 11, 13m
203 x 203	71,00	215,9	206,2	17,3	10,3	17,07	13m
203 x 203	86,10	222,3	208,8	20,5	13,0	14,31	13m
254 x 254	73,10	254,2	254,0	14,2	8,6	20,36	9, 11, 13m
254 x 254	88,90	260,4	255,9	17,3	10,5	16,83	9, 11, 13m
254 x 254	107,10	266,0	258,3	20,5	13,0	14,16	11, 13m
254 x 254	132,00	276,4	261,0	25,1	15,6	11,73	13m
254 x 254	167,10	289,1	264,5	31,7	19,2	9,45	13m
305 x 305	96,90	307,8	304,8	15,4	9,9	18,48	9, 11, 13m
305 x 305	117,90	314,5	306,8	18,7	11,9	15,37	9, 13m
305 x 305	136,90	320,5	308,7	21,7	13,8	13,32	13m
305 x 305	158,10	327,2	310,6	25,0	15,7	11,67	9, 11, 13m

UNIVERSAL BEAMS

SABS 1431/S355

NOMINAL SIZE mm	THEORETICAL MASS kg/m	HEIGHT mm	WIDTH mm	FLANGE THICKNESS mm	WEB THICKNESS mm	PAINT AREA m ² /ton	LENGTHS AVAILABLE
203 x 133	25,10	203,2	133,4	7,8	5,8	36,23	6,9,11,13m
203 x 133	30,00	206,8	133,8	9,6	6,3	30,94	9, 11, 13m
254 x 146	31,10	251,5	146,1	8,6	6,1	33,90	6,9,11,13m
254 x 146	37,00	256,0	146,4	10,9	6,4	28,80	9, 11, 13m
254 x 146	43,00	259,6	147,3	12,7	7,3	25,03	9, 11, 13m
305 x 102	24,80	304,8	101,6	6,8	5,8	40,47	6,9,11,13m
305 x 102	28,20	308,9	101,9	8,9	6,1	35,01	6, 9, 13m
305 x 102	32,80	312,7	102,4	10,8	6,6	30,72	9, 11, 13m
305 x 165	40,30	303,8	165,1	10,2	6,1	30,60	9, 11, 13m
305 x 165	46,10	307,1	165,7	11,8	6,7	27,05	9, 11, 13m
305 x 165	54,00	310,9	166,8	13,7	7,7	23,50	9, 11, 13m



UNIVERSAL BEAMS

SABS 1431/S355

NOMINAL SIZE mm	THEORETICAL MASS kg/m	HEIGHT mm	WIDTH mm	FLANGE THICKNESS mm	WEB THICKNESS mm	PAINT AREA m ² /ton	LENGTHS AVAILABLE
356 x 171	45,00	352,0	171,0	9,7	6,9	30,31	9, 11, 13m
356 x 171	51,00	355,6	171,5	11,5	7,3	26,91	9, 11, 13m
356 x 171	57,00	358,6	172,1	13,0	8,0	24,19	6,9,11,13m
356 x 171	67,10	364,0	173,2	15,7	9,1	20,63	9, 13m
406 x 140	39,00	397,3	141,8	8,6	6,3	34,46	9, 11, 13m
406 x 140	46,00	402,3	142,4	11,2	6,9	28,99	6,9,11,13m
406 x 178	54,10	402,6	177,6	10,9	7,6	27,56	9, 11, 13m
406 x 178	60,10	406,4	177,8	12,8	7,8	24,95	9, 11, 13m
406 x 178	67,10	409,4	178,8	14,3	8,8	22,32	9, 11, 13m
406 x 178	74,20	412,8	179,7	16,0	9,7	20,14	6, 9, 13m
457 x 191	67,10	453,6	189,9	12,7	8,5	24,31	6,9,11,13m
457 x 191	74,30	457,2	190,5	14,5	9,1	21,98	6,9,11,13m
457 x 191	82,00	460,2	191,3	16,0	9,9	20,09	6, 9, 13m
457 x 191	89,30	463,6	192,0	17,7	10,6	18,47	6, 11, 13m
457 x 191	98,30	467,4	192,8	19,6	11,4	16,94	13m
533 x 210	82,20	528,3	208,7	13,2	19,6	22,52	6,9,11,13m
533 x 210	92,10	533,1	209,3	15,6	10,2	20,11	9, 11, 13m
533 x 210	101,00	536,7	210,1	17,4	10,9	18,44	6,9,11,13m
533 x 210	109,00	539,5	210,7	18,8	11,6	17,22	6,9,11,13m
533 x 210	122,00	544,6	211,9	21,3	12,8	15,44	9, 13m
610 x 229	101,20	602,6	227,6	14,8	10,5		
610 x 229	113,00	607,6	228,2	17,3	11,1		
610 x 229	125,10	612,2	229,0	19,6	11,9		
610 x 229	139,90	617,2	230,2	22,1	13,1		
610 x 305	149,10	612,4	304,8	19,7	11,8		
610 x 305	179,00	620,2	307,1	23,6	14,1		
610 x 305	238,10	635,8	311,4	31,4	18,4		
686 x 254	125,00	677,9	253,0	16,2	11,7		
686 x 254	140,00	683,5	253,7	19,0	12,4		
686 x 254	152,00	687,6	254,5	21,0	13,2		
686 x 254	170,00	692,9	255,8	23,7	14,5		
762 x 267	133,90	750,0	264,4	15,5	12,0		
762 x 267	146,90	754,0	265,2	17,5	12,8		
762 x 267	173,00	762,2	266,7	21,6	14,3		
762 x 267	196,80	769,8	268,0	25,4	15,6		



FEATURE	I-BEAM (S-BEAM)	IPE-BEAM	H-BEAM (W-BEAM, HEA/HEB)
Cross-Sectional Shape	Tapered flanges, I-shape	Parallel flanges, I-shape	Parallel flanges, H-shape
Flange Width	Narrow, often tapered	Narrow	Wide, often equal to depth
Bending Resistance	Moderate, best for vertical loads	High	Very High, strong in all directions
Lateral Stability	Low, prone to buckling	High	Very High
Load Capacity	Suitable for lighter loads	Suitable for medium to heavy loads	Suitable for heavy and complex loads
Span Capability	Short to medium (10-30 m)	Medium to long	Long to very long (up to 100 m)
Manufacturing	Hot rolling (single piece)	Hot rolling	Hot rolling (modern) or welding (custom)
Relative Cost & Weight	Lower cost, lighter weight	Medium cost, medium weight	Higher cost, heavier weight
Common Applications	Residential construction, floor joists	General civil and industrial construction	Columns, long-span bridges, heavy industrial buildings

IPE SECTIONS

SABS 1431/S355

NOMINAL SIZE mm	THEORETICAL MASS kg/m	HEIGHT mm	WIDTH mm	FLANGE THICKNESS mm	WEB THICKNESS mm	PAINT AREA m ² /ton	LENGTHS AVAILABLE
100 x 55	8,10	100,0	55,0	5,7	4,1	49,46	9, 13m
120 x 64	10,37	120,0	64,0	6,3	4,4	46,15	9, 11, 13m
140 x 73	12,89	140,0	73,0	6,9	4,7	42,64	9, 11, 13m
160 x 82	15,77	160,0	82,0	7,4	5,0	39,24	9, 11, 13m
180 x 91	18,80	180,0	91,0	8,0	5,3	37,23	9, 11, 13m
200 x 100	22,36	200,0	100,0	8,5	5,6	34,37	9, 11, 13m

IPE AA SECTIONS

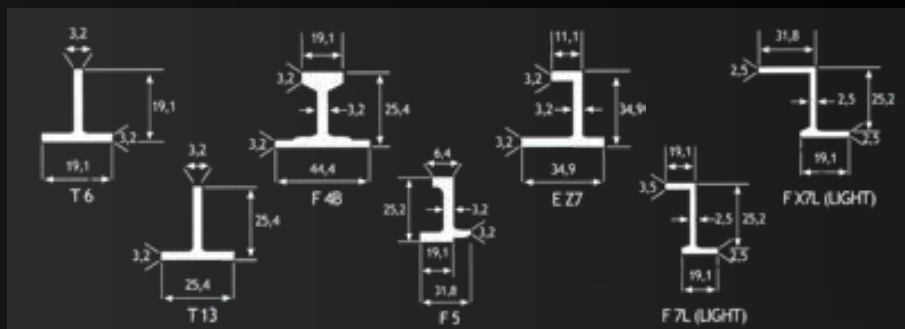
SABS 1431/S355

NOMINAL SIZE mm	THEORETICAL MASS kg/m	HEIGHT mm	WIDTH mm	FLANGE THICKNESS mm	WEB THICKNESS mm	PAINT AREA m ² /ton	LENGTHS AVAILABLE
100 x 55	6,72	97,6	55,0	4,5	3,6	59,00	9, 11, 13m
120 x 64	8,36	117,0	64,0	4,8	3,8	56,30	9, 11, 13m
135 x 74	6,98	135,0	74,0	3,2	2,9	77,80	
140 x 73	10,05	136,6	73,0	5,2	3,8	54,40	6,9,11,13m
160 x 82	12,32	156,4	82,0	5,6	4,0	50,10	9, 11, 13m
180 x 91	14,94	176,4	91,0	6,2	4,3	46,40	9, 11, 13m
200 x 100	17,95	179,5	100,0	6,7	4,5	43,02	9, 11, 13m

WINDOW SECTIONS

X6 METRES

NOMINAL SIZE mm	THEORETICAL MASS kg/m
T6	0,89
T13	1,26
F4B	2,53
F5	1,41
E27	2,08
F7L (Light)	1,21
FX7L (Light)	1,40





MILD STEEL PLATES

COMMERCIAL QUALITY

NOMINAL SIZE mm	THEORETICAL MASS kg/m	NOMINAL SIZE mm	THEORETICAL MASS kg/m	NOMINAL SIZE mm	THEORETICAL MASS kg/m
2500 x 1200 x 4,5	105,98	3000 x 1500 x 16	565,20	6000 x 2400 x 40	4521,60
3000 x 1500 x 4,5	158,96	4000 x 2000 x 16	1004,80	10000 x 2400 x 40	7536,00
4000 x 2000 x 4,5	282,60	6000 x 2000 x 16	1507,20	2000 x 1000 x 45	706,50
2500 x 1200 x 5	117,75	8000 x 2000 x 16	2009,60	2500 x 1200 x 45	1059,75
3000 x 1500 x 5	176,63	10000 x 2400 x 16	3014,40	3000 x 1500 x 45	1589,63
4000 x 2000 x 5	314,00	13000 x 2400 x 16	3918,72	4000 x 2000 x 45	2826,00
4500 x 2000 x 5	353,25	12000 x 3000 x 16	4521,60	6000 x 2400 x 45	5086,80
8000 x 2000 x 5	628,00	8000 x 2000 x 18	2260,80	10000 x 2400 x 45	8478,00
4500 x 2400 x 5	423,90	6000 x 2400 x 18	2034,72	2000 x 1000 x 50	785,50
10000 x 2400 x 5	942,00	10000 x 2400 x 18	3391,20	2500 x 1200 x 50	1177,50
13000 x 2400 x 5	1224,60	13000 x 2400 x 18	4408,56	3000 x 1500 x 50	1766,25
2500 x 1200 x 6	141,30	2500 x 1200 x 20	471,00	4000 x 2000 x 50	3140,00
3000 x 1500 x 6	211,95	3000 x 1500 x 20	706,50	4000 x 2400 x 50	3768,00
5700 x 1800 x 6	483,25	4000 x 2000 x 20	1256,00	6000 x 2400 x 50	5652,00
7300 x 1800 x 6	618,89	8000 x 2000 x 20	2512,00	2000 x 1000 x 55	763,50
1900 x 1900 x 6	170,03	10000 x 2400 x 20	3768,00	2500 x 1200 x 55	1295,25
4000 x 2000 x 6	376,80	13000 x 2400 x 20	4898,40	3000 x 1500 x 55	1942,88
4500 x 2000 x 6	423,90	12000 x 3000 x 20	5652,00	4000 x 2000 x 55	3454,00
8000 x 2000 x 6	753,60	8000 x 2000 x 22	2763,20	4000 x 2400 x 55	4144,80
2400 x 2400 x 6	271,30	10000 x 2400 x 22	4144,80	2000 x 1000 x 60	942,00
4500 x 2400 x 6	508,68	13000 x 2400 x 22	5388,24	2500 x 1200 x 60	1413,00
10000 x 2400 x 6	1130,40	2500 x 1200 x 25	588,75	3000 x 1500 x 60	2119,50
13000 x 2400 x 6	1469,52	3000 x 1500 x 25	883,13	4000 x 2000 x 60	3768,00
12000 x 3000 x 6	1695,60	4000 x 2000 x 25	1570,00	2000 x 1000 x 65	1020,50
2500 x 1200 x 8	188,40	8000 x 2000 x 25	3140,00	2500 x 1200 x 65	1530,75
3000 x 1500 x 8	282,60	10000 x 2400 x 25	4710,00	3000 x 1500 x 65	2296,13
4000 x 2000 x 8	502,40	13000 x 2400 x 25	6123,00	4000 x 2000 x 65	4082,00
4500 x 2000 x 8	565,20	10000 x 2400 x 28	5275,20	2000 x 1000 x 70	1099,00
8000 x 2000 x 8	1004,80	13000 x 2400 x 28	6857,76	2500 x 1200 x 70	1648,50
4500 x 2400 x 8	678,24	2500 x 1200 x 30	706,50	3000 x 1500 x 70	2472,75
10000 x 2400 x 8	1507,20	3000 x 1500 x 30	1059,75	4000 x 1800 x 70	4396,00
13000 x 2400 x 8	1959,36	4000 x 2000 x 30	1884,00	2000 x 1000 x 75	1177,50
12000 x 3000 x 8	2260,80	6000 x 2400 x 30	3391,20	2500 x 1200 x 75	1766,25
2500 x 1200 x 10	235,50	10000 x 2400 x 30	5652,00	3000 x 1500 x 75	2649,38
3000 x 1500 x 10	353,25	13000 x 2400 x 30	7347,60	4000 x 1800 x 75	4710,00
6000 x 1800 x 10	847,80	2500 x 1200 x 32	753,60	2500 x 1200 x 80	1884,00
4000 x 2000 x 10	628,00	3000 x 1500 x 32	1130,40	3000 x 1500 x 80	2826,00
6000 x 2000 x 10	942,00	4000 x 2000 x 32	2009,60	4000 x 1800 x 80	5024,00
8000 x 2000 x 10	1256,00	10000 x 2400 x 32	6028,80	2500 x 1200 x 85	2001,75
10000 x 2400 x 10	1884,00	13000 x 2400 x 32	7837,44	3000 x 1500 x 85	3002,63
13000 x 2400 x 10	2449,20	2000 x 1000 x 35	549,50	4000 x 2000 x 85	5338,00
12000 x 3000 x 10	2826,00	2500 x 1200 x 35	824,25	2500 x 1200 x 90	2119,50
2500 x 1200 x 12	282,60	3000 x 1500 x 35	1236,38	3000 x 1500 x 90	3179,25
2000 x 1500 x 12	423,90	4000 x 2000 x 35	2198,00	4000 x 2000 x 90	5652,00
6000 x 1800 x 12	1017,36	6000 x 2400 x 35	3956,40	2500 x 1200 x 100	2355,00
4000 x 2000 x 12	753,60	10000 x 2400 x 10	6594,00	3000 x 1500 x 100	3532,50
6000 x 2000 x 12	1130,40	2000 x 1000 x 38	596,60	4000 x 2000 x 100	6280,00
8000 x 2000 x 12	1507,20	2500 x 1200 x 38	894,90	2500 x 1200 x 110	2590,50
10000 x 2400 x 12	2260,80	3000 x 1500 x 38	1342,35	3000 x 1500 x 110	3885,75
13000 x 2400 x 12	2939,04	4000 x 2000 x 38	2386,40	4000 x 2000 x 110	6908,00
12000 x 3000 x 12	3391,20	6000 x 2400 x 38	4295,52	2500 x 1200 x 115	2708,25
8000 x 2000 x 14	1758,40	10000 x 2400 x 38	7159,20	3000 x 1500 x 115	4062,38
6000 x 2400 x 14	1582,56	2000 x 1000 x 40	628,00	2500 x 1200 x 120	2826,00
10000 x 2400 x 14	2637,60	2500 x 1200 x 40	942,00	3000 x 1500 x 120	4239,00
13000 x 2400 x 14	3428,88	3000 x 1500 x 40	1413,00	2500 x 1200 x 125	2934,75
2500 x 1200 x 16	376,80	4000 x 2000 x 40	2512,00	3000 x 1500 x 125	4415,63
				2500 x 1200 x 130	3061,50
				3000 x 1500 x 130	4592,25
				2500 x 1200 x 140	3297,00
				3000 x 1500 x 140	4945,50
				2500 x 1200 x 150	3532,50
				3000 x 1500 x 150	5298,75

GRATING

RS40 GRATING UNBANDED

BEARER BAR	PANEL SIZE	UNPAINTED/ BITUMEN MASS	GALVANISED MASS
25 x 4,5	2400 x 1200	86,00	92,02
30 x 4,5	2400 x 1200	100,00	107,00
40 x 4,5	2400 x 1200	125,00	133,75
50 x 4,5	2400 x 1200	148,90	160,24
60 x 4,5	2400 x 1200	174,38	181,32

RS40 TRENCH COVERS BANDED

BEARER BAR	PANEL SIZE	UNPAINTED/ BITUMEN MASS	GALVANISED MASS
25 x 4,5	325 x 1000	11,00	11,40
30 x 4,5	325 x 1000	13,00	13,10
40 x 4,5	325 x 1000	16,00	16,60
30 x 4,5	500 x 1000	19,00	21,10
50 x 4,5	500 x 1000	29,00	30,80

STAIRTHREADS

BEARER BAR	PANEL SIZE	UNPAINTED/ BITUMEN MASS	GALVANISED MASS
25 x 4,5	600 x 205	4,73	5,01
25 x 4,5	600 x 245	5,48	5,81
25 x 4,5	750 x 205	5,87	6,23
25 x 4,5	750 x 245	6,79	7,20
30 x 4,5	900 x 245	9,53	10,10
30 x 4,5	1000 x 285	12,10	12,83

KS43

(BEARED BARS AT 44, 5MM AND
TRANSVERSAL BARS AT 40MM)

BEARER BAR	PANEL SIZE	UNPAINTED/ BITUMEN MASS	GALVANISED MASS
25 x 4,5	2400 x 1200	84,10	89,15
30 x 4,5	2400 x 1200	95,76	101,51
40 x 4,5	2400 x 1200	119,09	126,24

FLOOR PLATES

CHECKER/VASTRAP

NOMINAL SIZE mm	THEORETICAL MASS kg/m
2500 x 1200 x 3,0-4,6	78,00
2000 x 1000 x 4,5-6,1	75,56
2500 x 1200 x 4,5-6,1	113,34
4000 x 1200 x 4,5-6,1	181,34
8000 x 1200 x 4,5-6,1	362,69
2000 x 1000 x 6,0-7,6	99,10
2500 x 1200 x 6,0-7,6	148,65
4000 x 1200 x 6,0-7,6	237,84
8000 x 1200 x 6,0-7,6	475,68
2000 x 1000 x 8,0-9,6	130,50
2500 x 1200 x 8,0-9,6	195,75
4000 x 1200 x 8,0-9,6	313,20
8000 x 1200 x 8,0-9,6	626,40

HARD WEARING PLATES

SS 10/200 (BENNOX)

NOMINAL SIZE mm	THEORETICAL MASS kg/m
2500 x 1200 x 3	70,65
2500 x 1200 x 5	117,75
4000 x 2000 x 5	314,00
2500 x 1200 x 6	141,30
4000 x 2000 x 6	376,80
2500 x 1200 x 8	188,40
4000 x 2000 x 8	502,40
2500 x 1200 x 10	235,50
4000 x 2000 x 10	628,00
2500 x 1200 x 12	282,60
4000 x 2000 x 12	753,60
2500 x 1200 x 16	376,80
4000 x 2000 x 16	1004,80
2500 x 1200 x 20	471,00
4000 x 2000 x 20	1256,00
2500 x 1200 x 25	588,75
4000 x 2000 x 25	1570,00
2500 x 1200 x 32	753,60
4000 x 2000 x 32	2009,60
2500 x 1200 x 35	824,25
2500 x 1200 x 40	942,00
4000 x 2000 x 40	2512,00
2500 x 1200 x 45	1059,75
2500 x 1200 x 50	1177,50
4000 x 2000 x 50	3140,00



HOT ROLLED SHEETS

COMMERCIAL QUALITY

NOMINAL SIZE mm	THEORETICAL MASS kg/m
1850 x 925 x 1,6	22,01
2450 x 925 x 1,6	29,15
3050 x 925 x 1,6	36,29
1850 x 1225 x 1,6	29,15
2450 x 1225 x 1,6	38,60
3050 x 1225 x 1,6	48,06
3650 x 1225 x 1,6	57,51
1850 x 925 x 2,0	27,51
2450 x 925 x 2,0	36,44
3050 x 925 x 2,0	45,36
1850 x 1225 x 2,0	36,44
2450 x 1225 x 2,0	48,25
3050 x 1225 x 2,0	60,07
3650 x 1225 x 2,0	71,89
3000 x 1500 x 2,0	72,35
1850 x 925 x 2,5	34,39
2450 x 925 x 2,5	45,55
3050 x 925 x 2,5	56,70
1850 x 1225 x 2,5	45,55
2450 x 1225 x 2,5	60,32
3050 x 1225 x 2,5	75,09

NOMINAL SIZE mm	THEORETICAL MASS kg/m
3650 x 1225 x 2,5	89,86
2450 x 1500 x 2,5	73,86
3000 x 1500 x 2,5	90,44
3650 x 1500 x 2,5	110,03
1850 x 925 x 2,8	38,52
2450 x 925 x 2,8	51,01
3050 x 925 x 2,8	63,50
1850 x 1225 x 2,8	51,01
2450 x 1225 x 2,8	67,56
3050 x 1225 x 2,8	84,10
3650 x 1225 x 2,8	100,64
2450 x 1500 x 2,8	82,72
3000 x 1500 x 2,8	101,29
3650 x 1500 x 2,8	123,24
2450 x 1800 x 2,8	99,27
3000 x 1800 x 2,8	121,55
1650 x 1800 x 2,8	147,89
1850 x 925 x 3,0	41,27
2450 x 925 x 3,0	54,66
3050 x 925 x 3,0	68,04

NOMINAL SIZE mm	THEORETICAL MASS kg/m
3650 x 925 x 3,0	81,43
1850 x 1225 x 3,0	54,66
2450 x 1225 x 3,0	72,38
3050 x 1225 x 3,0	90,11
1650 x 1225 x 3,0	107,83
2450 x 1500 x 3,0	88,63
3000 x 1500 x 3,0	108,53
3650 x 1500 x 3,0	132,04
2450 x 1800 x 3,0	106,36
3000 x 1800 x 3,0	130,23
3650 x 1800 x 3,0	158,45
4000 x 1800 x 3,0	173,64
5000 x 1800 x 3,0	217,05
6000 x 1800 x 3,0	260,46
2450 x 1225 x 3,5	84,44
3000 x 1500 x 3,5	126,61
1850 x 925 x 4,0	55,03
2450 x 1225 x 4,0	96,51
3000 x 1500 x 4,0	144,70
4000 x 1800 x 4,0	231,52

COLD ROLLED SHEETS

COMMERCIAL QUALITY

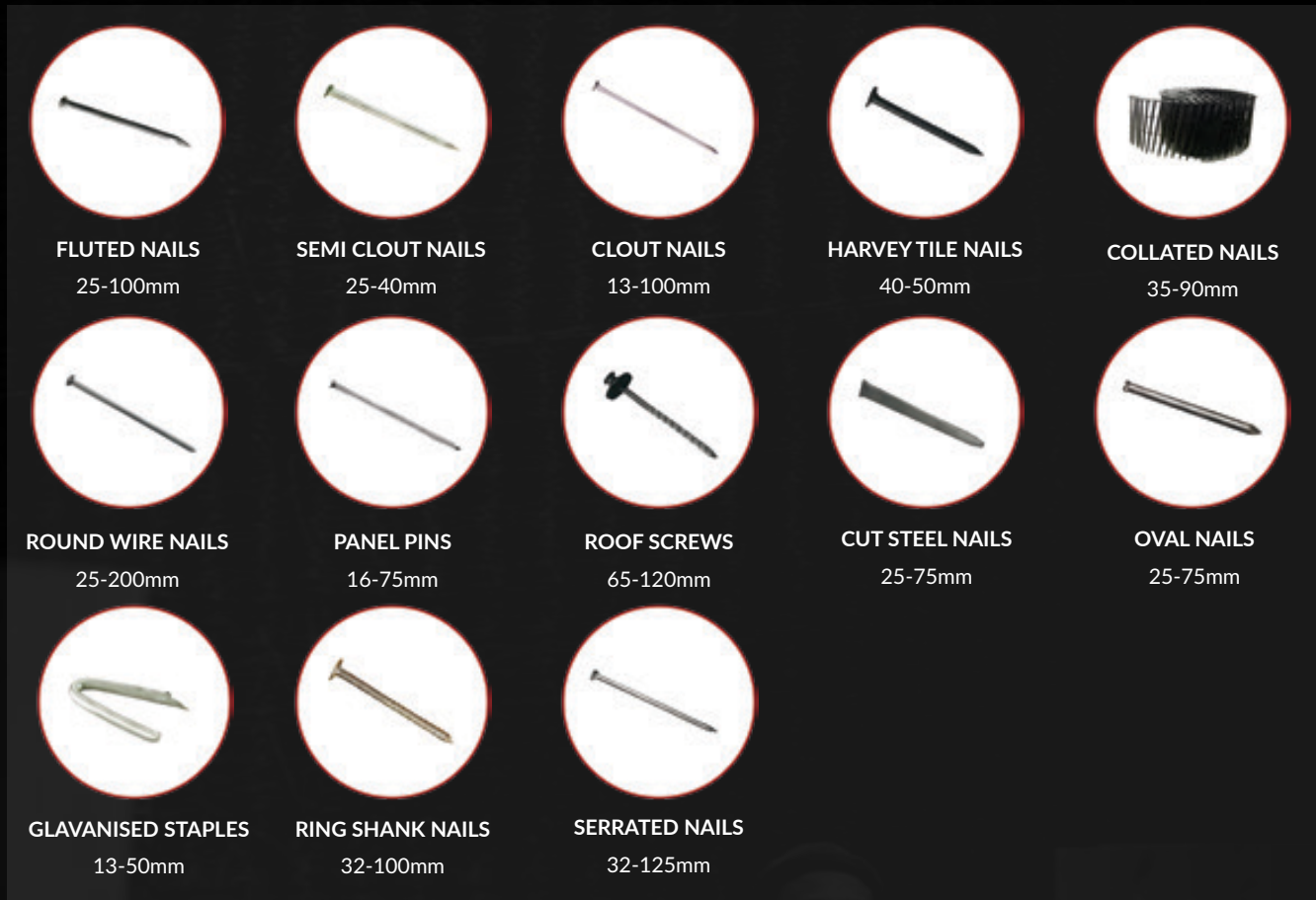
NOMINAL SIZE mm	THEORETICAL MASS kg/m
1850 x 925 x 0,5	6,88
2450 x 925 x 0,5	9,11
1850 x 1225 x 0,5	9,11
2450 x 1225 x 0,5	12,06
1850 x 925 x 0,6	8,25
2450 x 925 x 0,6	10,93
1850 x 1225 x 0,6	10,93
2450 x 1225 x 0,6	14,48
3050 x 1225 x 0,6	18,02
3650 x 1225 x 0,6	21,57
1850 x 925 x 0,7	9,63
2450 x 1225 x 0,7	16,89
1850 x 925 x 0,8	11,01
2450 x 925 x 0,8	14,57
1850 x 1225 x 0,8	14,57

NOMINAL SIZE mm	THEORETICAL MASS kg/m
2450 x 1225 x 0,8	19,30
3050 x 1225 x 0,8	24,03
3650 x 1225 x 0,8	28,76
1850 x 925 x 0,9	12,38
2450 x 1225 x 0,9	21,71
1850 x 925 x 1,0	13,76
2450 x 925 x 1,0	18,22
1850 x 1225 x 1,0	18,22
2450 x 1225 x 1,0	24,13
3050 x 1225 x 1,0	30,04
3650 x 1225 x 1,0	35,94
1850 x 925 x 1,2	16,51
2450 x 925 x 1,2	21,86
1850 x 1225 x 1,2	21,86
2450 x 1225 x 1,2	28,95





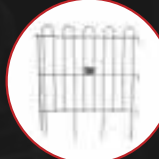
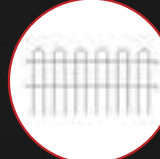
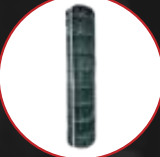
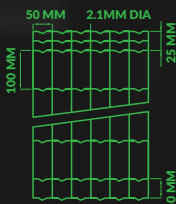





NOMINAL SIZE mm	THEORETICAL MASS kg/m
3050 x 1225 x 1,2	36,04
3650 x 1225 x 1,2	43,13
1850 x 925 x 1,6	22,01
2450 x 925 x 1,6	29,15
1850 x 1225 x 1,6	29,15
2450 x 1225 x 1,6	38,60
3050 x 1225 x 1,6	48,06
3650 x 1225 x 1,6	57,51
3000 x 1500 x 1,6	57,88
1850 x 925 x 2,0	27,51
2450 x 925 x 2,0	36,44
1850 x 1225 x 2,0	36,44
2450 x 1225 x 2,0	48,25
3050 x 1225 x 2,0	60,07
3650 x 1225 x 2,0	71,89
3000 x 1500 x 2,0	72,76

COMPARISON TABLE

CHARACTERISTIC	HOT ROLLED (HR)	COLD ROLLED (CR)
Manufacturing Temp	Above recrystallization temp. (over 1700 [°] C)	Below recrystallization temp. (room temp.)
Surface Finish	Rough, dark, scaly (mill scale)	Smooth, bright, or matte; may be oily
Edges & Corners	Slightly rounded	Sharp, well-defined
Dimensional Tolerance	Wide (2-5% of dimension)	Tight, precise
Internal Stress	Free from internal stress	Enhanced internal stress (work hardened)
Cost	Less expensive	More expensive
Typical Applications	Structural, large-scale, non-aesthetic	Precision, aesthetic, high-tolerance



GARDEN FENCING

					
CREEPER PANEL	BULK PICKET LAWN BORDER PACK OF 10	LOOPED LAWN BORDER	BULK LOOPED LAWN BORDER PACK OF 10	INSTANT FENCE PANEL	PICKET LAWN BORDER
	PRODUCT		COLOUR	SIZE	
	Picket Lawn Border		Green/Charcoal	1m x 0.54m	
	Bulk Picket Lawn Border		Green/Charcoal	1m x 0.54m - Pack of 10	
	Looped Lawn Border		Green/Charcoal	1m x 0.7m	
	Bulk Looped Lawn Border		Green/Charcoal	1m x 0.7m - Pack of 10	
	Instant Fence Panel		Green/Charcoal	1.1m x 1.24m	
	Creepier Panel		Green/Charcoal	3 Bar - 38cm x 153cm 4 Bar - 51cm x 153cm 6 Bar - 76cm x 153cm 9 Bar - 114cm x 153cm	
	Garden Fence		Green	0.8m x 10m - 100 x 50mm Apertures 1.0m x 10m - 100 x 50mm Apertures	
					
					



SECURITY FENCING

COMMERCIAL QUALITY

PRO GUARD	SPECIFICATION
Security Features:	Climb Resistant / Cut Resistant / Tamper Proof
Security Level:	Maximum
Perimeter Type:	Industrial / Commercial / High Risk Residential
Fence Panel Aperture:	76mm x 13mm
Wire Thickness:	3mm x 3mm / 3mm x 4mm
Panel Height:	1.8m / 2.1m / 2.4m
Panel Width:	3m
Wire Quality:	500 - 700 MpA High Tensile Wire
Coating:	Galv / Powder Coat / PVC

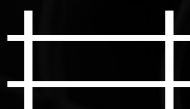
MEDIUM GUARD	SPECIFICATION
Security Features:	Climb Resistant / Cut Resistant / Tamper Proof
Security Level:	High
Perimeter Type:	Industrial / Commercial / Residential
Fence Panel Aperture:	76mm x 25mm
Wire Thickness:	3mm x 3mm / 3mm x 4mm
Panel Height:	1.8m / 2.1m / 2.4m
Panel Width:	3m
Wire Quality:	500 - 700 MpA High Tensile Wire
Coating:	Galv / Powder Coat / PVC

LIGHT GUARD	SPECIFICATION
Security Features:	Climb Resistant / Cut Resistant / Tamper Proof
Security Level:	High
Perimeter Type:	Commercial / Residential / Agriculture
Fence Panel Aperture:	76mm x 50mm
Wire Thickness:	3mm x 3mm / 3mm x 4mm
Panel Height:	1.8m / 2.1m / 2.4m
Panel Width:	3m
Wire Quality:	500 - 700 MpA High Tensile Wire
Coating:	Galv / Powder Coat / PVC

ECO GUARD	SPECIFICATION
Security Features:	Climb Resistant / Cut Resistant / Tamper Proof
Security Level:	Medium
Perimeter Type:	Agricultural / Sports & Recreation / Schools
Fence Panel Aperture:	100mm x 50mm
Wire Thickness:	3mm x 3mm / 3mm x 4mm
Panel Height:	1.8m / 2.1m / 2.4m
Panel Width:	3m
Wire Quality:	500 - 700 MpA High Tensile Wire
Coating:	Galv / Powder Coat / PVC



PRO GUARD
76MM X 13MM



MEDIUM GUARD
76MM X 25MM



LIGHT GUARD
76MM X 50MM



ECO GUARD
100MM X 50MM

BENEFITS OF OUR SECURITY FENCING:



LOW
MAINTENANCE



ANTI-CLIMB
FENCING DESIGN



SEE THROUGH
FENCE



DISCREET
& ATTRACTIVE



VARIOUS FINISHES,
COLOURS & EXTRAS



SPIDER CLAMPS

PRODUCT CODE	DESCRIPTION
ALUEC	Spider Clamp - Aluminium Econo
ALUSF	Spider Clamp - Standard Fixator
GALFZ275	Spider Clamp - Standard Fixator Pre-Galvanised
GALFZHD	Spider Clamp - Standard Hot Dipped Galvanised
PCFIXBLK	Spider Clamp - PC Standard Fixator Black
PCFIXCHA	Spider Clamp - PC Standard Fixator Charcoal

SOLD AS
20 PACKS



EXPANDED METAL



MESH

GENERAL MESH

REFERENCE / CODE EQUIVALENTS	MAXIMUM LWM (mm)	SIZE OF MESH (mm) SWM x LWM (apprx)	STRAND SIZE WIDTH	STRAND SIZE THICKNESS	MASS Kg/m2	TOTAL WGHT PER SHEET
30-2R 230B 151 LR 24/36 RAISED	1,200	3 x 6	1,0mm	0,6mm	2.4	7
50-2F 6250D 372 LF 20/48 FLATTENED	1,200	4 x 8	1,2mm	1,0mm	3.02	10
60-2R 260D LR 20/615 RAISED	1,200	6 x 15	1,2mm	1,0mm	3.6	7.2
80-2R 280E 130 LR 20/820 RAISED	1,200	8 x 20	2,0mm	1,0mm	4.2	10
80-2F 6280E 362 LF 20/820 FLATTENED	1,200	8 x 20	2,0mm	1,0mm	4.6	10.2
15-3R 315F 118 LR 16/1230 RAISED	1,200	8 x 20	2,0mm	1,0mm	4.6	9.2
15-3F 6315F 358 LF 16/1230 FLATTENED	1,200	12 x 30	2,0mm	1,6mm	2.8	9.2
15-3GR 315G LR 14/1230 RAISED	1,200	12 x 30	2,5mm	2,0mm	6.3	11.6
15-3GF 6315G LF 14/1230 FLATTENED	1,200	12 x 30	3,0mm	2,0mm	4.8	11.6
17-3R 317F 99 LR 16/1240 RAISED	1,200	12 x 40	2,2mm	1,6mm	4.6	9.2
17-3F 6317F 354 LF 16/1240 FLATTENED	1,200	12 x 40	2,2mm	1,6mm	4.6	7.2
18-3R 318F 82 LR 16/1540 RAISED	1,200	15 x 40	2,2mm	1,6mm	3.9	7.2
18-3F 6318F 352 LF 16/1540 FLATTENED	1,200	15 x 40	3,0mm	1,6mm	4.4	7.4
18-3HR 318H 80A LR 12/1540 RAISED	1,200	15 x 40	3,0mm	2,5mm	9.1	15.4
18-3HF 6318H 351A LF 12/1540 FLATTENED	1,200	15 x 40	3,0mm	2,5mm	7.5	15.4
20-3R 320C 306 LR 16/2550 RAISED	1,200	25 x 50	3,0mm	1,6mm	3.5	10
20-3GR 320G 304 LR 10/2550 RAISED	1,200	25 x 50	3,0mm	3,0mm	4.4	10
20-3GF 6320G 346A LF 10/2550 FLATTENED	1,200	25 x 50	3,0mm	3,0mm	6.1	10
20-3JR 320J 309 LR 6-1 (4.5MM STRAND) RAISED	1,200	25 x 50	6,0mm	4,5mm	15	30
BR120-F 6320C 344 LF 16/2550 FLATTENED	1,200	25 x 50	3,0mm	1,6mm	3.5	4.8
20-3DF 6320D 349 LF 14/2550 FLATTENED	1,200	25 x 50	3,0mm	2,0mm	4.1	6.2
20-3DR 320D LR 14/2550 RAISED	1,200	25 x 50	3,0mm	2,0mm	3.4	6.2
20-3EF 6320E 348 LF 12/2550 FLATTENED	1,200	25 x 50	4,5mm	2,5mm	7.0	11.2
20-3HF 6320H 346 LF 70/2550 FLATTENED	1,200	25 x 50	4,5mm	3,0mm	7.3	13.6
55-3R 355G 63 LR 10/3075 RAISED	1,200	30 x 75	3,0mm	3,0mm	4.4	11
55-3HF 6355H 342 LF 12/3075 FLATTENED	1,200	30 x 75	4,5mm	2,5mm	5.2	12
11-3R 311E 300 LR 10/5085 RAISED	1,200	50 x 85	3,0mm	3,0mm	376	9.9
11-3F 6311F 338 LF 12/5085 FLATTENED	1,200	50 x 85	4,5mm	2,5mm	5.2	7.2
30-3R 330A 30 LR 8-3 RAISED	1,200	75 x 200	4,5mm	4,5mm	4.7	9.5
25-3R 325G 72 LR 10/2060 RAISED	1,200	20 x 60	3,0mm	3,0mm	7.1	10
25-3AR 325A 70 LR 5-1 (4.5MM STRAND) RAISED	1,200	20 x 60	6,0mm	4,5mm	16.0	32.5
25-3F 6325G LF 10/2060 FLATTENED	1,200	20 x 60	3,0mm	3,0mm	6.1	10
25-3FHH 6320K 345 PIGFLOOR FLATTENED	1,200	25 x 50	10,0mm	3,0mm	14.0	39
W80RZ 486 8 LR 4 - 1 RAISED	1,200	50 x 85	10,0mm	4,5mm	18.5	35
W80ARZ 487 7 LR 3 - 1 RAISED	1,200	50 x 100	6,0mm	4,5mm	8.7	43
W81AR 305A 43A LR 2 - 3 RAISED	1,200	40 x 115	6,0mm	4,5mm	10.0	22
W81BR 305B 43 LR 2-4 RAISED	1,200	40 x 115	4,5mm	4,5mm	7.9	20

BRAAI MESH

REFERENCE NO.	SIZE	MASS
GALVANISED	450 x 600	0,90
GALVANISED	450 x 900	1,70



ROUND TUBING

SABS/SANS 657 PART 1

SIZE OUTSIDE DIMENSION mm	WALL mm	KILOGRAMS per meter
15,90	1,6	0,560
15,90	2,0	0,680
19,05	1,6	0,690
19,05	2,0	0,840
21,40	1,6	0,778
21,40	2,0	0,950
21,40	2,5	1,160
21,40	3,0	1,360
25,40	1,6	0,940
25,40	2,0	1,150
25,40	2,5	1,410
25,40	3,0	1,660
22,23	1,2	0,620
22,23	1,6	0,810
26,99	1,6	1,002
26,99	2,0	1,230
26,99	2,5	1,500
26,99	3,0	1,770
31,80	1,6	1,200
31,80	2,0	1,480
31,80	2,5	1,820
31,80	3,0	2,130
34,13	1,6	1,282
34,13	2,0	1,580
34,13	2,5	1,950
34,13	3,0	2,300
34,13	3,5	2,640
34,13	4,0	2,970
38,10	1,6	1,440
38,10	2,0	1,770
38,10	2,5	2,190
38,10	3,0	2,790
38,10	4,0	3,360
42,86	1,6	1,630
42,86	2,0	2,010
42,86	2,5	2,490
42,86	3,0	2,950
42,86	4,0	3,830
44,45	1,6	1,690
44,45	2,0	2,090
48,50	1,6	1,847
48,50	2,0	2,290
48,50	2,5	2,830
48,50	3,0	3,330
48,50	3,5	3,880
48,50	4,0	4,390
48,50	4,5	4,880
50,80	1,6	2,190
50,80	2,0	2,410
50,80	2,5	2,980
50,80	3,0	3,530
50,80	3,5	4,083
50,80	4,0	4,616
57,15	1,6	2,190
57,15	2,0	2,720
57,15	2,5	3,089
57,15	3,0	4,000
57,15	4,0	5,250
60,33	1,6	2,317
60,33	2,0	2,870
60,33	2,5	3,700
60,33	3,0	4,224
60,33	3,5	4,900
60,33	4,0	5,551
60,33	4,5	6,190
63,50	1,6	2,440
63,50	2,0	3,030
63,50	2,5	3,760
63,50	3,0	4,470
63,50	3,5	5,174
63,50	4,0	5,875
63,50	4,5	6,540
76,20	1,6	2,940
76,20	2,0	3,650

SIZE OUTSIDE DIMENSION mm	WALL mm	KILOGRAMS per meter
76,20	2,5	4,534
76,20	3,0	5,400
76,20	3,5	6,260
76,20	4,0	7,105
76,20	4,5	7,940
76,20	5,0	8,770
76,20	6,0	10,070
88,90	2,0	4,280
88,90	2,5	5,327
88,90	3,0	6,350
88,90	3,5	7,371
88,90	4,0	8,370
88,90	4,5	9,360
88,90	5,0	10,470
88,90	6,0	12,270
95,00	2,0	4,590
95,00	3,0	6,810
95,00	3,5	7,900
95,00	4,0	8,980
95,00	4,5	10,040
101,60	1,6	3,986
101,60	2,0	4,910
101,60	2,5	6,104
101,60	3,0	7,290
101,60	3,5	8,460
101,60	4,0	9,630
101,60	4,5	10,770
101,60	5,0	11,900
101,60	6,0	14,140
114,30	2,0	5,530
114,30	2,5	6,893
114,30	3,0	8,230
114,30	3,5	9,560
114,30	4,0	10,880
114,30	4,5	12,170
114,30	5,0	13,470
114,30	6,0	16,010
127,00	2,0	6,170
127,00	2,5	7,670
127,00	3,0	9,170
127,00	3,5	10,650
127,00	4,0	12,120
127,00	4,5	13,580
127,00	5,0	15,030
127,00	6,0	17,890
139,70	3,0	10,100
139,70	3,5	11,750
139,70	4,0	13,390
139,70	4,5	15,000
139,70 (6,1m)	5,0	16,600
139,70 (6,1m)	6,0	19,770
152,40	2,0	7,493
152,40	2,5	9,335
152,40	3,0	11,050
152,40	3,5	12,850
152,40	4,0	14,640
152,40	4,5	16,410
152,40	5,0	18,170
152,40	6,0	21,660
152,40 (9m)	8,0	28,400
152,40 (9m)	10,0	35,020
165,10	3,0	11,980
165,10	3,5	13,950
165,10	4,0	15,880
165,10	4,5	17,810
165,10	5,0	19,740
165,10	6,0	23,520
177,00	3,0	13,000
177,00	4,0	17,230
177,00	4,5	19,340
177,00	6,0	25,300
190,00 (6,1m)	8,0	35,900
190,00 (6,1m)	10,0	44,390

ROUND TUBING

SABS/SANS 657 PART 1

SIZE OUTSIDE DIMENSION mm	WALL mm	KILOGRAMS per meter
193,70	3,0	14,130
193,70	3,5	16,410
193,70	4,5	21,000
193,70	5,0	23,300
193,70	6,0	27,760
204,00 (6,1m)	3,5	17,310
204,00 (6,1m)	4,5	22,140
204,00 (6,1m)	6,0	29,300
219,00	3,5	18,600
219,00	4,5	23,800
219,00	6,0	31,520
219,00 (6,1m)	8,0	41,630
219,00 (6,1m)	10,0	51,540
244,00 (6,1m)	4,5	26,580
244,00 (6,1m)	6,0	35,210
244,00 (6,1m)	8,0	46,560
244,00	10,0	57,700
273,00 (6,1m)	4,5	29,800
273,00 (6,1m)	6,0	39,510
273,00 (6,1m)	8,0	52,290
273,00 (6,1m)	10,0	64,870
324,00 (6,1m)	4,5	35,460
324,00 (6,1m)	6,0	47,030
324,00 (6,1m)	8,0	62,350
324,00 (6,1m)	10,0	77,457
356,00 (6,1m)	4,5	44,560
356,00 (6,1m)	6,0	59,200
356,00 (6,1m)	8,0	78,530

SIZE OUTSIDE DIMENSION mm	WALL mm	KILOGRAMS per meter
356,00 (6,1m)	4,5	39,010
356,00 (6,1m)	6,0	47,060
356,00 (6,1m)	8,0	68,670
356,00 (6,1m)	10,0	88,600
406,00 (6,1m)	4,5	50,220
406,00 (6,1m)	6,0	66,740
406,00 (6,1m)	8,0	88,600
406,00 (6,1m)	4,5	44,560
406,00 (6,1m)	6,0	59,200
406,00 (6,1m)	8,0	78,530
406,00 (6,1m)	10,0	85,320
457,00 (6,1m)	4,5	55,880
457,00 (6,1m)	6,0	74,290
457,00 (6,1m)	8,0	88,600
457,00 (6,1m)	4,5	50,220
457,00 (6,1m)	6,0	66,740
457,00 (6,1m)	8,0	88,600
457,00 (6,1m)	10,0	110,250
508,00 (6,1m)	4,5	39,010
508,00 (6,1m)	6,0	47,060
508,00 (6,1m)	8,0	68,670
508,00 (6,1m)	4,5	55,880
508,00 (6,1m)	6,0	74,290
508,00 (6,1m)	8,0	88,600
508,00 (6,1m)	10,0	122,830

CHEMICAL AND MECHANICAL PROPERTIES OF SABS 1431 300 WA (MODIFIED) STRUCTATUBE 300

CHEMICAL COMPOSITION					MECHANICAL PROPERTIES			
C	MN	SI	P	S	CARBON EQUIVAL	YIELD STR MPA	UTS MPA	ELONGATION
0,20	1,20	0,04	0,02	0,015	0,39	300-400	420-	(MIN)-25%

*Minimum 50mm gauge length

CHEMICAL PROPERTIES OF GRADE SAE 1008 (SI LESS THAN 0.03)

CHEMICAL ANALYSIS				
C	MN	SI	P	S
0,1	0,5	0,025	0,025	0,03

Chemical composition of steel ensures good galvanizability, weldability and formability.

TOLERANCES

SPECIFICATION	ROUND TUBING	SQUARE & RECTANGULAR TUBING
Outside dimension (D,B and H)	The greater of +- 0,5mm and +- 1% D	The greater of +- 0,5mm and +- 1% B of H
Out-of-roundness (O)	For D/T ratio < 100:2% For D/T ratio > 100:ageement	N/A N/A
Thickness (T)	+- 10% T with a maximum of 2,0mm	+- 10% T with a maximum of 2,0mm
Squareness of sides	N/A	90° approx 2°
Concavity/Convexity (independant of B or H)	N/A	+- 0,8% with a minimum of +- 0,5mm
External corner radius (r)		T < 6mm Cold Formed: 1,5T to 2,5T
Straightness (e)	0,20% of total length	0,20% of total length
Twist (V)	N/A	2mm plus 0,5mm/m length
Mass (M)	+- 10%	



SQUARE TUBING

SABS/SANS 657 PART 1

SIZE OUTSIDE DIMENSION mm	WALL mm	KILOGRAMS per meter
130,0 x 130,0	3,0	11,990
130,0 x 130,0	3,5	13,950
130,0 x 130,0	4,0	15,890
130,0 x 130,0	4,5	17,820
130,0 x 130,0	5,0	19,740
130,0 x 130,0	6,0	23,540
133,3 x 133,3	3,0	11,990
133,3 x 133,3	3,5	13,950
133,3 x 133,3	4,0	15,880
133,3 x 133,3	4,5	17,820
133,3 x 133,3	5,0	19,740
133,3 x 133,3	6,0	23,540
140,0 x 140,0	3,0	11,990
140,0 x 140,0	3,5	13,950
140,0 x 140,0	4,0	15,880
140,0 x 140,0	4,5	17,810
140,0 x 140,0	5,0	19,740
140,0 x 140,0	6,0	23,520
150,0 x 150,0	3,0	14,130
150,0 x 150,0	3,5	15,750
150,0 x 150,0	4,0	18,750
150,0 x 150,0	4,5	21,030
150,0 x 150,0	5,0	23,300
150,0 x 150,0	6,0	27,820
150,0 x 150,0	8,0	36,620
150,0 x 150,0	10,0	41,330
152,0 x 152,0	3,5	16,420
152,0 x 152,0	4,5	21,000
152,0 x 152,0	6,0	27,770
152,0 x 152,0	8,0	36,630
152,0 x 152,0	10,0	45,300
165,1 x 165,1	3,5	17,310
165,1 x 165,1	4,5	22,140
165,1 x 165,1	6,0	29,300
177,8 x 177,8	3,5	18,600
177,8 x 177,8	4,5	23,810
177,8 x 177,8	6,0	31,530
177,8 x 177,8 (6,1m)	8,0	41,650
177,8 x 177,8 (6,1m)	10,0	51,560
180,0 x 180,0	3,5	18,600
180,0 x 180,0	4,5	23,810
180,0 x 180,0	6,0	31,530
180,0 x 180,0 (6,1m)	8,0	41,650
180,0 x 180,0 (6,1m)	10,0	51,560
200,0 x 200,0 (6,1m)	4,5	26,800
200,0 x 200,0 (6,1m)	6,0	35,500
200,0 x 200,0 (6,1m)	8,0	49,960
200,0 x 200,0 (6,1m)	10,0	58,200
222,0 x 222,0	4,5	29,800
222,0 x 222,0	6,0	39,510
222,0 x 222,0	8,0	52,280
222,0 x 222,0	10,0	64,840
225,0 x 225,0 (6,1m)	4,5	29,800
225,0 x 225,0 (6,1m)	6,0	39,510
225,0 x 225,0 (6,1m)	8,0	52,280
225,0 x 225,0 (6,1m)	10,0	64,840
250,0 x 250,0 (6,1m)	4,5	33,890
250,0 x 250,0 (6,1m)	6,0	44,960
250,0 x 250,0 (6,1m)	8,0	62,320
250,0 x 250,0 (6,1m)	10,0	77,400
260,0 x 260,0 (6,1m)	4,5	35,440
260,0 x 260,0 (6,1m)	6,0	47,030
260,0 x 260,0 (6,1m)	8,0	62,340
260,0 x 260,0 (6,1m)	10,0	77,430
270,0 x 270,0 (6,1m)	4,5	35,440
270,0 x 270,0 (6,1m)	6,0	47,030
270,0 x 270,0 (6,1m)	8,0	62,320
270,0 x 270,0 (6,1m)	10,0	77,400
300,0 x 300,0 (6,1m)	4,5	38,900
300,0 x 300,0 (6,1m)	6,0	51,730
300,0 x 300,0 (6,1m)	8,0	68,570
300,0 x 300,0 (6,1m)	10,0	85,220

SIZE OUTSIDE DIMENSION mm	WALL mm	KILOGRAMS per meter
12,7 x 12,7	1,6	0,560
15,9 x 15,9	1,6	0,730
19,1 x 19,1	1,6	0,940
19,1 x 19,1	2,0	1,150
25,4 x 25,4	1,6	1,200
25,4 x 25,4	2,0	1,480
25,4 x 25,4	2,5	1,820
25,4 x 25,4	3,0	2,260
30,0 x 30,0	1,6	1,430
30,0 x 30,0	2,0	1,770
30,0 x 30,0	2,5	2,190
30,0 x 30,0	3,0	2,260
31,8 x 31,8	1,6	1,510
31,8 x 31,8	5,0	1,870
31,8 x 31,8	2,5	2,130
31,8 x 31,8	3,0	2,600
31,8 x 31,8	4,0	3,780
38,1 x 38,1	1,6	1,830
38,1 x 38,1	2,0	2,270
38,1 x 38,1	2,5	2,800
38,1 x 38,1	3,0	3,330
38,1 x 38,1	4,0	4,390
38,1 x 38,1	4,5	4,880
40,0 x 40,0	1,6	1,940
40,0 x 40,0	2,0	2,400
40,0 x 40,0	2,5	2,980
40,0 x 40,0	3,0	3,530
40,0 x 40,0	4,0	4,390
40,0 x 40,0	4,5	4,880
44,5 x 44,5	1,6	2,190
44,5 x 44,5	2,0	2,720
44,5 x 44,5	2,5	3,360
44,5 x 44,5	3,0	4,000
44,5 x 44,5	4,0	5,248
50,8 x 50,8	1,6	2,440
50,8 x 50,8	2,0	3,030
50,8 x 50,8	2,5	3,760
50,8 x 50,8	3,0	4,470
50,8 x 50,8	3,5	5,170
50,8 x 50,8	4,0	5,860
50,8 x 50,8	4,5	6,540
50,8 x 50,8	5,0	7,230
57,2 x 57,2	1,6	2,940
57,2 x 57,2	2,0	3,660
57,2 x 57,2	3,0	5,420
60,0 x 60,0	1,6	2,940
60,0 x 60,0	2,0	3,640
60,0 x 60,0	2,5	4,534
60,0 x 60,0	3,0	5,400
60,0 x 60,0	3,5	6,200
60,0 x 60,0	4,0	7,105
60,0 x 60,0	4,5	7,950
60,0 x 60,0	5,0	8,770
61,0 x 61,0	1,6	2,940
61,0 x 61,0	1,6	2,940
61,0 x 61,0	2,0	3,660
61,0 x 61,0	3,0	5,420
61,0 x 61,0	3,5	6,270
61,0 x 61,0	4,5	7,960
61,0 x 61,0	5,0	8,780
63,5 x 63,5	1,6	2,940
63,5 x 63,5	2,0	3,820
63,5 x 63,5	2,5	4,774
63,5 x 63,5	3,0	5,400
63,5 x 63,5	3,5	6,200
63,5 x 63,5	4,0	7,499
63,5 x 63,5	4,5	7,950
63,5 x 63,5	5,0	8,770

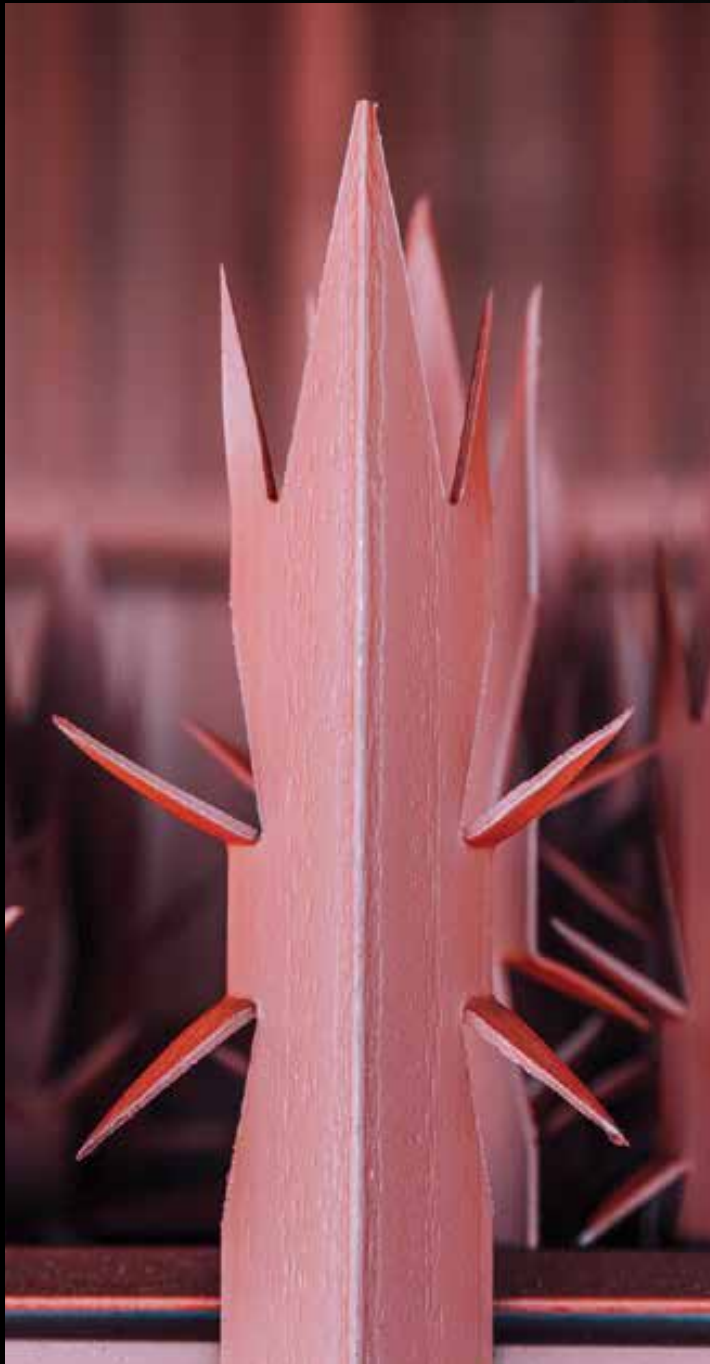
SIZE OUTSIDE DIMENSION mm	WALL mm	KILOGRAMS per meter
70,0 x 70,0	2,0	5,280
70,0 x 70,0	2,5	5,327
70,0 x 70,0	3,0	6,350
70,0 x 70,0	3,5	7,370
70,0 x 70,0	4,0	8,370
70,0 x 70,0	4,5	10,340
70,0 x 70,0	5,0	10,470
76,2 x 76,2	1,6	3,950
76,2 x 76,2	2,0	4,580
76,2 x 76,2	2,5	5,690
76,2 x 76,2	3,0	6,800
76,2 x 76,2	3,5	7,891
76,2 x 76,2	4,0	8,970
76,2 x 76,2	4,5	10,030
76,2 x 76,2	5,0	11,090
76,2 x 76,2	6,0	13,160
80,0 x 80,0	2,0	4,910
80,0 x 80,0	2,5	6,104
80,0 x 80,0	3,0	7,288
80,0 x 80,0	3,5	8,460
80,0 x 80,0	4,0	9,619
80,0 x 80,0	4,5	10,770
80,0 x 80,0	5,0	11,900
80,0 x 80,0	6,0	14,140
90,0 x 90,0	2,0	5,530
90,0 x 90,0	2,5	6,893
90,0 x 90,0	3,0	8,230
90,0 x 90,0	3,5	9,560
90,0 x 90,0	4,0	10,880
90,0 x 90,0	4,5	12,170
90,0 x 90,0	5,0	13,470
90,0 x 90,0	6,0	16,010
100,0 x 100,0	2,0	6,170
100,0 x 100,0	2,5	7,669
100,0 x 100,0	3,0	9,170
100,0 x 100,0	3,5	10,660
100,0 x 100,0	4,0	12,120
100,0 x 100,0	4,5	13,580
100,0 x 100,0	5,0	15,030
100,0 x 100,0	6,0	17,890
100,0 x 100,0	10,0	28,850
110,0 x 110,0	3,0	10,100
110,0 x 110,0	3,5	11,750
110,0 x 110,0	4,0	13,390
110,0 x 110,0	4,5	15,000
110,0 x 110,0	5,0	16,610
110,0 x 110,0	6,0	19,770
115,0 x 115,0	3,0	10,100
115,0 x 115,0	3,5	11,750
115,0 x 115,0	4,0	13,390
115,0 x 115,0	4,5	15,000
115,0 x 115,0	5,0	16,610
115,0 x 115,0	6,0	19,770
120,0 x 120,0	2,0	7,493
120,0 x 120,0	2,5	9,335
120,0 x 120,0	3,0	11,040
120,0 x 120,0	3,5	12,840
120,0 x 120,0	4,0	14,630
120,0 x 120,0	4,5	16,400
120,0 x 120,0	5,0	18,160
120,0 x 120,0	6,0	21,640
120,0 x 120,0 (9m)	8,0	28,410
120,0 x 120,0 (9m)	10,0	35,020
127,0 x 127,0	3,0	11,980
127,0 x 127,0	3,5	13,500
127,0 x 127,0	4,0	15,880
127,0 x 127,0	4,5	17,810
127,0 x 127,0	5,0	19,740
127,0 x 127,0	6,0	23,520

RECTANGULAR TUBING



SABS/SANS 657 PART 1

SIZE OUTSIDE DIMENSION mm	WALL mm	KILOGRAMS per meter	SIZE OUTSIDE DIMENSION mm	WALL mm	KILOGRAMS per meter	SIZE OUTSIDE DIMENSION mm	WALL mm	KILOGRAMS per meter
25.0 x 10.0	1.2	0,620	57.2 x 19.1	1,6	1,810	76.2 x 50.8	1,6	2,940
25.4 x 12.7	1,6	0,940	57.2 x 19.1	2,0	2,290	76.2 x 50.8	2,0	3,650
25.4 x 12.7	2,0	1,098	57.2 x 19.1	2,5	2,840	76.2 x 50.8	2,5	4,774
30.0 x 20.0	1,6	1,190	57.2 x 19.1	3,0	3,370	76.2 x 50.8	3,0	5,400
30.0 x 20.0	2,0	1,470	57.2 x 19.1	4,0	4,390	76.2 x 50.8	3,5	6,200
30.0 x 20.0	2,5	1,710	57.2 x 19.1	4,5	4,880	76.2 x 50.8	4,0	7,120
30.0 x 20.0	3,0	2,130	60.0 x 20.0	1,6	1,940	76.2 x 50.8	4,5	7,950
31.8 x 12.7	1,2	0,790	60.0 x 20.0	2,0	2,410	80.0 x 30.0	1,6	2,690
31.8 x 12.7	1,6	1,040	60.0 x 20.0	2,5	2,980	80.0 x 40.0	1,6	3,350
31.8 x 19.1	1,6	1,200	60.0 x 20.0	3,0	3,540	80.0 x 40.0	2,0	2,940
31.8 x 19.1	2,0	1,480	60.0 x 20.0	4,0	4,390	80.0 x 40.0	2,5	3,650
31.8 x 19.1	2,5	1,820	60.0 x 30.0	1,6	2,190	80.0 x 40.0	3,0	4,534
31.8 x 19.1	3,0	2,590	60.0 x 30.0	2,0	2,720	80.0 x 40.0	3,5	5,400
38.1 x 19.1	1,6	1,430	60.0 x 30.0	2,5	3,370	80.0 x 40.0	4,0	6,200
38.1 x 19.1	2,0	1,770	60.0 x 30.0	3,0	4,000	80.0 x 40.0	4,5	7,105
38.1 x 19.1	2,5	2,190	60.0 x 40.0	1,6	2,440	80.0 x 40.0	5,0	7,950
38.1 x 19.1	3,0	2,790	60.0 x 40.0	2,0	3,030	80.0 x 60.0	2,0	8,780
38.1 x 25.4	1,6	1,531	60.0 x 40.0	2,5	3,760	80.0 x 60.0	2,5	4,280
38.1 x 25.4	2,0	1,870	60.0 x 40.0	3,0	4,470	80.0 x 60.0	3,0	5,327
38.1 x 25.4	2,5	2,310	60.0 x 40.0	3,5	5,170	80.0 x 60.0	3,5	6,350
38.1 x 25.4	3,0	2,910	60.0 x 40.0	4,0	5,860	80.0 x 60.0	4,0	7,371
38.1 x 25.4	4,0	3,780	60.0 x 40.0	4,5	6,540	80.0 x 60.0	4,5	8,370
40.0 x 15.0	1,6	1,310	63.5 x 12.7	1,6	1,550	80.0 x 60.0	5,0	9,390
40.0 x 15.0	2,0	1,580	63.5 x 12.7	2,0	2,290	88.9 x 38.1	1,6	10,340
40.0 x 15.0	2,5	1,950	63.5 x 12.7	2,5	2,840	88.9 x 38.1	2,0	2,940
40.0 x 15.0	3,0	2,300	63.5 x 12.7	3,0	3,370	88.9 x 38.1	3,0	3,660
40.0 x 20.0	1,6	1,430	63.5 x 12.7	4,0	4,390	88.9 x 38.1	3,5	5,420
40.0 x 20.0	2,0	1,770	63.5 x 12.7	4,5	4,880	88.9 x 38.1	4,0	6,270
40.0 x 20.0	2,5	2,190	63.5 x 25.4	1,6	2,190	88.9 x 38.1	4,5	7,960
40.0 x 20.0	3,0	2,790	63.5 x 25.4	2,0	2,720	88.9 x 38.1	5,0	8,780
40.0 x 30.0	1,6	1,690	63.5 x 25.4	2,5	3,370	90.0 x 50.0	2,0	4,280
40.0 x 30.0	2,0	2,100	63.5 x 25.4	3,0	4,000	90.0 x 50.0	3,0	6,350
45.5 x 19.1	1,6	1,560	63.5 x 38.1	1,6	2,440	90.0 x 50.0	4,0	8,370
45.5 x 19.1	2,0	2,010	63.5 x 38.1	2,0	3,030	100.0 x 40.0	4,0	8,370
45.5 x 19.1	2,5	2,480	63.5 x 38.1	2,5	3,760	100.0 x 40.0	4,5	9,390
45.5 x 19.1	3,0	1,840	63.5 x 38.1	3,0	4,470	100.0 x 40.0	5,0	10,340
45.5 x 19.1	4,0	3,830	63.5 x 38.1	3,5	5,170	100.0 x 50.0	1,6	3,673
45.5 x 25.4	1,6	1,690	63.5 x 38.1	4,0	5,860	100.0 x 50.0	2,0	4,580
45.5 x 25.4	2,0	2,100	63.5 x 38.1	4,5	6,540	100.0 x 50.0	2,5	5,690
45.5 x 31.8	1,6	1,810	63.5 x 50.8	1,6	2,940	100.0 x 50.0	3,0	6,800
45.5 x 31.8	2,0	2,290	63.5 x 50.8	2,0	3,660	100.0 x 50.0	3,5	7,890
45.5 x 31.8	2,5	2,840	63.5 x 50.8	3,0	5,420	100.0 x 50.0	4,0	8,970
45.5 x 31.8	3,0	3,370	70.0 x 20.0	1,6	2,190	100.0 x 50.0	4,5	10,030
45.5 x 31.8	4,0	4,390	70.0 x 20.0	2,0	2,721	100.0 x 50.0	5,0	11,000
45.5 x 31.8	4,5	4,880	70.0 x 20.0	2,5	3,370	100.0 x 50.0	6,0	13,160
50.0 x 15.0	1,6	1,560	70.0 x 20.0	3,0	4,000	100.0 x 60.0	2,0	4,910
50.0 x 15.0	2,0	1,930	75.0 x 50.0	1,6	2,940	100.0 x 60.0	2,5	6,104
50.0 x 15.0	2,5	2,480	75.0 x 50.0	2,0	3,660	100.0 x 60.0	3,0	7,280
50.0 x 20.0	1,6	1,690	75.0 x 50.0	2,5	4,540	100.0 x 60.0	3,5	8,460
50.0 x 20.0	2,0	2,100	75.0 x 50.0	3,0	5,420	100.0 x 60.0	4,0	9,619
50.8 x 25.4	1,6	1,830	75.0 x 50.0	3,5	6,270	100.0 x 60.0	4,5	10,770
50.8 x 25.4	2,0	2,270	75.0 x 50.0	4,0	7,120	100.0 x 60.0	5,0	11,900
50.8 x 25.4	2,5	2,800	75.0 x 50.0	4,5	8,960	100.0 x 60.0	6,0	14,400
50.8 x 25.4	3,0	3,330	75.0 x 50.0	5,0	8,780	100.0 x 80.0	2,0	5,530
50.8 x 25.4	4,0	4,390	76.2 x 25.4	1,6	2,440	100.0 x 80.0	2,5	6,893
50.8 x 25.4	4,5	4,880	76.2 x 25.4	2,0	3,350	100.0 x 80.0	3,0	8,230
50.0 x 30.0	1,6	1,940	76.2 x 25.4	2,5	3,760	100.0 x 80.0	3,5	9,560
50.0 x 30.0	2,0	2,400	76.2 x 25.4	3,0	4,470	100.0 x 80.0	4,0	10,880
50.0 x 30.0	2,5	2,800	76.2 x 25.4	3,5	5,180	100.0 x 80.0	4,5	12,170
50.0 x 30.0	3,0	3,330	76.2 x 25.4	4,0	5,174	100.0 x 80.0	5,0	13,470
50.0 x 30.0	4,0	4,370	76.2 x 25.4	4,5	6,540	100.0 x 80.0	6,0	16,010
50.8 x 38.1	1,6	2,190	76.2 x 38.1	1,6	2,940	101.6 x 63.5	2,0	4,910
50.8 x 38.1	2,0	2,720	76.2 x 38.1	2,0	3,650	101.6 x 63.5	3,5	8,470
50.8 x 38.1	2,5	3,370	76.2 x 38.1	2,5	4,346	101.6 x 63.5	4,0	10,780
50.8 x 38.1	3,0	4,000	76.2 x 38.1	3,0	5,400	101.6 x 63.5	4,5	11,910
50.0 x 40.0	1,6	2,190	76.2 x 38.1	3,5	6,200	101.6 x 63.5	5,0	14,140
50.0 x 40.0	2,0	2,720	76.2 x 38.1	4,0	6,652	120.0 x 30.0	2,0	4,910
50.0 x 40.0	2,5	3,370	76.2 x 38.1	4,5	7,950	120.0 x 30.0	3,0	7,290
50.0 x 40.0	3,0	4,000	76.2 x 38.1	5,0	8,770	120.0 x 30.0	3,5	8,470
						120.0 x 30.0	4,0	9,630
						120.0 x 30.0	4,5	10,780
						120.0 x 30.0	5,0	11,910



We manufacture and supply:

PANELS

Range: 40 x 40
30 x 30
25 x 25

PALINGS

GATES

POSTS

GALVANIZED WEAVING

SIZE

50m x 100mm x 0.27mm
50m x 100mm x 0.3mm
50m x 145mm x 0.27mm
50m x 150mm x 0.3mm
50m x 150mm x 0.32mm
50m x 100mm x 0.4mm
50m x 145mm x 0.4mm
50m x 150mm x 0.4mm

CHROMADEK WEAVING

SIZE

50m x 100mm x 0.32mm
50m x 145mm x 0.32mm
50m x 150mm x 0.32mm

WALL SPIKES

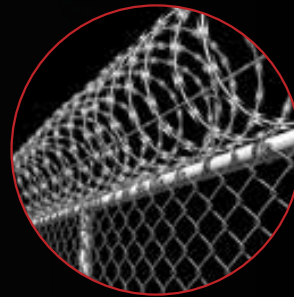
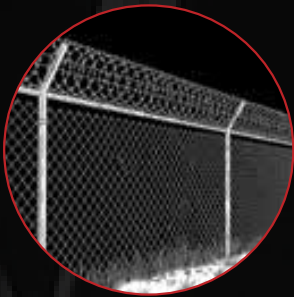
PRODUCT CODE	SIZE	DESCRIPTION
SPK300201500M	30mm x 2mm x 1.5m	Perfect for front walls and visible areas, offering a strong yet neat deterrent without being overly aggressive.
SPK400201500M	40mm x 2mm x 1.5m	The ultimate choice for back walls and high-risk areas, providing maximum protection where you need it most.



RAZOR WIRE & RAZOR FENCE



COMMERCIAL QUALITY



CONCERTINA RAZOR WIRE

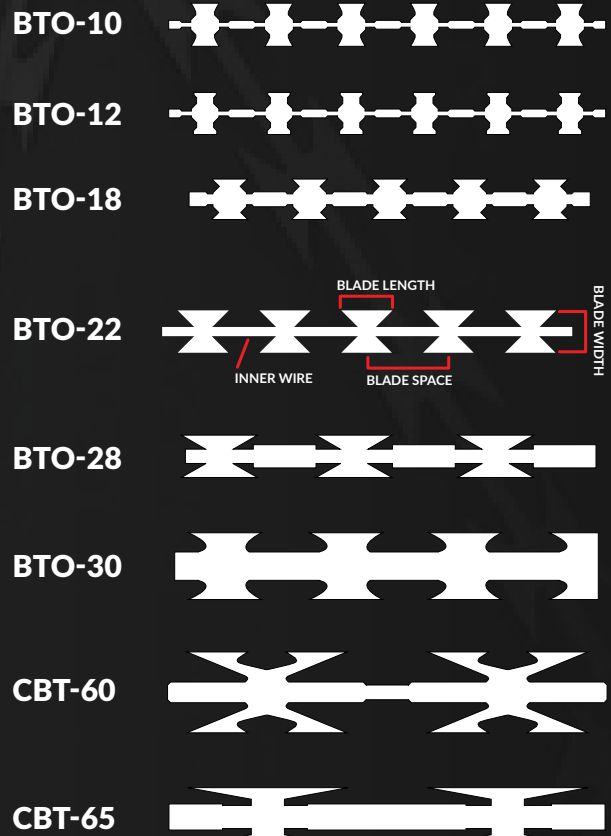
Concertina razor wire, also known as barbed tape concertina or helical coil, is made of a continuous spiral of razor wire. When deployed, the coils expand to form a cylindrical shape with a series of sharp blades. The coils are clipped together at intervals to maintain the shape and provide a dense barrier. This design makes it a highly effective deterrent, as it's difficult to climb over or cut without specialized tools.

FLAT WRAP RAZOR WIRE

Flat wrap razor wire consists of a single coil of razor wire that's formed into a flat, circular shape. The coils are secured to each other to create a single, continuous flat panel. This type of razor wire is typically used to enhance the security of existing fences or walls. It provides a less intrusive and more aesthetically pleasing alternative to concertina wire, while still offering a high level of security.

RAZOR FENCE PANELS

Razor fence panels are a more rigid and permanent security solution. They are pre-fabricated panels or meshes made of razor blades or a combination of razor wire and steel wire. Unlike the coiled designs, these panels are typically installed as a solid fence or barrier, offering a formidable obstacle. They are often used for high-security applications where a strong, unyielding barrier is required, and they provide a clean, finished appearance.



BTC (CONCERTINA COIL) COIL DIAMETER	450MM	730MM	900MM
Blade Profile	BTO-22	BTO-22	BTO-22
Steel Core Wire (mm)	2	2	2
Wire Coating (Conforms)	10244-2	10244-2	10244-2
Spirals per coil	55	55	55
Barb Length (mm)	22	22	22
Barb Width (mm)	12	12	12
Barb Space (mm)	23	23	23
Manufactured Length (m)	10	12	12
Stretched Length(m)	8	10	10
Mass (kg)	4,2	6,8	8,4

FLATWRAP COIL DIAMETER	450MM	730MM	900MM
Blade Profile	BTO-22	BTO-22	BTO-22
Steel Core Wire (mm)	2	2	2
Wire Coating (Conforms)	10244-2	10244-2	10244-2
Barb Length (mm)	22	22	22
Barb Width (mm)	12	12	12
Barb Space (mm)	23	23	23
Manufactured Length (m)	15	15	15
Mass (kg)	4,8	5,9	6,8



NETTING WIRE

COMMERCIAL QUALITY

- **Stronger By Design:** Made from 0.65mm thick wire, providing superior strength and durability compared to flimsy 0.5mm alternatives.
- **Built to Last:** Hot-dipped galvanized for excellent corrosion protection, proven to withstand the harsh Springs climate and greater South African conditions.
- **Perfect For Any Project:** The trusted choice for chicken coops, garden protection, plaster reinforcement (stucco), pet enclosures, and all DIY needs.

BIRD WIRE

SIZE	LENGTH	WEIGHT
13mm x 900mm x 0.65mm	5m	2.1kg
13mm x 900mm x 0.65mm	5m	2.8kg
13mm x 900mm x 0.65mm	5m	5.2kg
13mm x 900mm x 0.65mm	10m	3.9kg
13mm x 900mm x 0.65mm	10m	5.6kg
13mm x 900mm x 0.65mm	10m	8.0kg

CHICKEN WIRE

SIZE	LENGTH	WEIGHT
25mm x 900mm x 0.65mm	5m	2.0kg
25mm x 900mm x 0.65mm	5m	2.6kg
25mm x 900mm x 0.65mm	5m	4.3kg
25mm x 900mm x 0.65mm	10m	4.0kg
25mm x 900mm x 0.65mm	10m	5.2kg
25mm x 900mm x 0.65mm	10m	7.6kg

BARBED WIRE

PRODUCT	LINE WIRE (mm)	BARBED WIRE (mm)	ROLL LENGTH (m)	ROLL WEIGHT (kg)	BREAKING STRENGTH (kN)
SINGLE STRAND	2.24	1.70	845	35.0	4.2
	2.90	1.70	515	35.0	6.9
SINGLE STRAND BABY	2.00	1.70	845	28.0	3.2
			515	17.0	
SINGLE STRAND LD	1.57	1.47	290	10.0	
			845	18.0	2.0
DOUBLE STRAND (IOWA)	2.50	1.70	515	15.0	
			540	50.0	4.9
			380	35.0	
			270	25.0	
			108	10.0	
	2.20	1.70	540	40.0	3.8
			380	24.0	
			270	18.0	
	2.00	1.80	800	50.0	3.1
			540	34.0	
			270	17.0	
			150	10.0	
REVERSE TWIST HIGH TENSILE	1.70	1.60	800	39.0	2.3
			540	31.0	
			500	30.0	
			380	18.0	
			270	15.0	
			160	8.10	
REVERSE TWIST HIGH TENSILE	1.57	1.47	845	35.0	4.1
			540	24.0	
			270	12.0	

DIAMOND MESH

COMMERCIAL QUALITY

CODE	DESCRIPTION	HEIGHT (m)	APETURE (mm)	WIRE THICKNESS (mm)	ROLL LENGTH (m)
WDLD001230	LIGHT DUTY - Rural	1.2	90	1.6	25, 30
WDLD001830	LIGHT DUTY - Rural	1.8	90	1.6	25, 30
WDMO1230BLBL	ORDINARY - Residential	1.2	85	1.8	25, 30
WDMO1830BLBL	ORDINARY - Residential	1.8	85	1.8	25, 30
WDMG1830GRGR	GOOD - Residential	1.8	75	2.0	30
WDML501230GOOD	Botswana	1.2	50	2.3	30
WDML501830GOOD	Botswana	1.8	50	2.3	30
WDML751230COMM	COMMERCIAL	1.2	75	1.8	30
WDML751830COMM	COMMERCIAL	1.8	75	1.8	30
WDML751230NORM	NORMAL Animal Farmers	1.2	75	2.0	30
WDML751830NORM	NORMAL Animal Farmers	1.8	75	2.0	30
WDML751230SPEC	NORMAL Animal Farmers	1.2	75	2.5	30
WDML751830SPEC	NORMAL Animal Farmers	1.8	75	2.5	30
WDML631230NORM	Medium Animal Farmers	1.2	64	2.0	30
WDML631830NORM	Medium Animal Farmers	1.8	64	2.0	30
WDML631230SPEC	Medium Animal Farmers	1.2	64	2.5	30
WDML631830SPEC	Medium Animal Farmers	1.8	64	2.5	30
WDML632430SPEC	Medium Animal Farmers	2.4	64	2.5	30
WDML633030SPEC	Medium Animal Farmers	3.0	64	2.5	30
WDML501230COMM	COMMERCIAL Farmers	1.2	50	2.0	30
WDML501830COMM	COMMERCIAL Farmers	1.8	50	2.0	30
WDML501230NORM	NORMAL Animal Farmers	1.2	50	2.0	30
WDML501830NORM	NORMAL Animal Farmers	1.8	50	2.0	30
WDML502430NORM	NORMAL Animal Farmers	2.4	50	2.0	30
WDML503030NORM	NORMAL Animal Farmers	3.0	50	2.0	30
WDML503618NORM	NORMAL (Tennis Court)	3.6	50	2.0	18
WDML501230SPEC	High Quality Farmers	1.2	50	2.5	30
WDML501830SPEC	High Quality Farmers	1.8	50	2.5	30
WDML502430SPEC	High Quality Farmers	2.4	50	2.5	30
WDML503030SPEC	High Quality Farmers	3.0	50	2.5	30

HARD DRAWN WIRE

AVERAGE COIL GEOMETRY (300KG ROLL) COIL HEIGHT (mm)	COIL OUTSIDE DIAMETER (mm)	COIL INSIDE DIAMETER (mm)
300	700	500
WIRE DIAMETER RANGE MINIMUM WIRE DIAMETER (mm)	MAXIMUM DIAMETER (mm)	
1.25 +- 0.05	5.60 +- 0.05	



GALVANISED WIRE

COMMERCIAL QUALITY

AVERAGE COIL GEMERTRY (900 KG COIL)		
COIL HEIGHT (mm) 850	COIL OUTSIDE DIAMETER (mm) 760	COIL INSIDE DIAMETER (mm) 450
WIRE DIAMETER RANGE		
MINIMUM WIRE DIAMETER (mm) 1.25MM +- 0.05	MAXIMUM WIRE DIAMETER (mm) 5.60 +- 0.10	
TENSILE STRENGTH RANGES		
Low Tensile	360MPa - 575MPa	
Medium Tensile	600MPa - 900MPa	
High Tensile	950MPa Minimum	
Ultra-High Tensile	1350MPa Minimum	
ZINC COATING RANGES		
SANS 10244 Calss A - Heavy Galvanised	SANS 10244 Class D - Lightly Galvanised	*Extra Heavy Galvanised

PRECISION WELDED MESH

All rolls are a standard 30m length.

MESH APERTURE	ROLL HEIGHT	WIRE DIAMETER
13mm x 13mm	1.2m	1.6mm
25mm x 13mm	1.2m	1.25mm
25mm x 13mm	1.2m	1.6mm
25mm x 13mm	1.8m	1.6mm
25mm x 25mm	1.2m	2.5mm
25mm x 25mm	1.8m	1.6mm
25mm x 25mm	1.8m	2.5mm
50mm x 50mm	1.8m	3.15mm

- **Heavy-Gauge Steel Wire:** Provides exceptional rigidity and a formidable barrier.
- **Hot-Dipped Galvanized:** Coated before welding for a durable, corrosion-resistant finish.

PROVEN IN THE FIELD FOR:

- **High-Security Fencing:** Creating strong, anti-climb perimeters and secure cages.
- **Industrial Guarding:** Protecting machinery, creating safety barriers, and partitioning warehouses.
- **Heavy-Duty Agriculture:** Building robust animal enclosures, flooring, and vermin-proofing for barns.
- **Transport & Automotive:** Manufacturing truck light protectors, cargo barriers, and durable trailer components.

WELDED MESH

INDUSTRIAL MESH					
Wire Diameter (mm)	1.60			2.0	
Zinc Coating	Lightly Galvanised (SANS 10244 Class D)				
Aperture Size (mm)	13 x 25	25 x 25	25 x 25	25 x 25	100 x 100
	900		1200		1800
Roll Height (mm)	30				
FENCING MESH					
Wire Diameter (mm)	2.50			3.15	
Zinc Coating	Lightly Galvanised (SANS 10244 Class D)				
Aperture Size (mm)	50 x 25	50 x 50	75 x 75	100 x 50	100 x 100
	900		1200	1800	2400
Roll Height (mm)	25				
MINING MESH (ROLLS)					
Wire Diameter (mm)	3.15				
Zinc Coating	None - Black Bailing Wire				
Aperture Size (mm)	75 x 100		100 x 100		100 x 50
	900		1200		2400
Roll Height (mm)	30			35	

FIELD FENCE

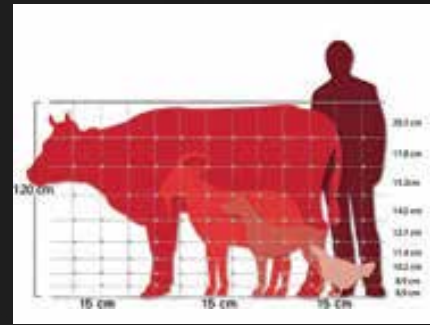
COMMERCIAL QUALITY

STANDARD

	LINE WIRE	STAY/CROSS WIRE	EDGE WIRE
Wire Diameter (mm)	2.24	2.50	2.90
Zinc Coating	Heavy Galvanised 10244 Class A or Lightly Galvanised 10244 Class D		
Breaking Strength (kN)	4.2	2.4	6.9

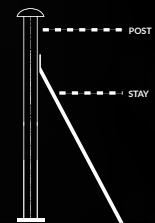
LIGHT DUTY

	LINE WIRE	STAY/CROSS WIRE	EDGE WIRE
Wire Diameter (mm)	2.0	2.0	2.50
Zinc Coating	Lightly Galvanised 10244 Class D		
Breaking Strength (kN)	3.3	1.5	5.1

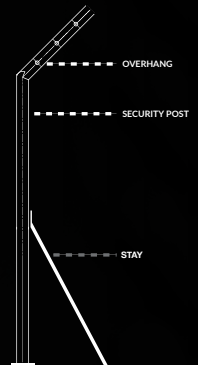


POSTS, STAYS AND GATES

STANDARD POST LENGTH (mm)	WALL THICKNESS (mm)	SECURITY POST LENGTH (mm)	WALL THICKNESS (mm)
1800	1.60/2.00	1800	1.60/2.00
2400	2.00/3.00	2400	2.00/3.00
3000	2.00/3.00	3000	2.00/3.00
3600	2.00/3.00		



SECURITY GATE HEIGHT (mm)	WIDTH (mm)	HOMESTEAD GATE HEIGHT (mm)	WIDTH (mm)	FARM GATE HEIGHT (mm)	WIDTH (mm)
1800	900	1200	900	1200	900
	3000	1800	3000		1200
	3600		3600		2400
					3000
					3600
					4200
					4800





BARB WIRE

RAZOR MESH

WELDED MESH

DIAMOND MESH



**BIRD/CHICKEN
MESH**



**STANDARDS,
DROPPERS AND POSTS**



**HOOP
IRON**



**BRACING
STRAPS**

Premium Finishes

Balustrades & Handrailing

Stainless steel and glass balustrade systems, plus industrial and domestic handrailing — supplied and installed by Bolide Infrastructure Solutions across Zambia.



Premium stainless steel and glass balustrade systems installed by Bolide Infrastructure Solutions in Lusaka.

Glass Balustrades

Toughened safety glass panels with marine-grade stainless steel posts and fittings. Frameless and semi-frameless configurations.

Glass

Posts

Finish

8mm toughened safety

316 marine-grade stainless

Polished or brushed

5-Line Stainless Balustrades

Five horizontal stainless steel tube rails between vertical posts. Durable, corrosion-resistant, modern finish.

Material

316 stainless steel

Configuration

5 horizontal rails

Application

Staircases, balconies, terraces

Industrial Handrail Systems

Multi-line tubular steel handrail systems for walkways, ramps, platforms and bridges. Bolted post-and-rail design.

Configuration

2 to 4 line systems

Material

Galvanised or stainless steel

Application

Walkways, platforms, bridges

Domestic Handrailing

Stainless steel handrail and balustrade systems for residential balconies, patios, staircases and pool surrounds.

Material

316 stainless steel

Finish

Brushed or polished

Application

Residential balconies & patios

All balustrade and handrail systems are supplied, delivered and installed by our team. Out-of-town projects quoted on request.

Specialist Products

Bolide supplies and installs additional specialist products to support full project delivery, beyond structural steel, fencing and civil materials.

Solar System Installation & Supply

Turnkey solar energy solutions — design, supply and installation for residential, agricultural and commercial use.

Scope

Includes

Application

Design, supply, install

Panels, inverters, batteries

Residential, agricultural, commercial

Aluminium Doors & Windows

Precision-engineered aluminium sliding, folding and casement doors and windows, sourced locally and internationally.

Options

Source

Application

Sliding, folding, casement

Local & international suppliers

Residential & commercial

Container Homes & Offices

Prefabricated container structures, fully customised with insulation, electrics, plumbing, flooring and finishes.

Lead time

Application

Customisation

6–8 weeks

Site offices, homes, guardrooms

Insulation, electrics, plumbing

Garden Fencing & Lawn Borders

Picket and looped lawn borders, instant fence panels, creeper panels and garden fence rolls for landscaping.

Sizes

Aperture

Colours

0.8m and 1.0m x 10m rolls

100 x 50mm

Green, charcoal

Bending Schedules & Custom Fabrication

Custom steel bending and fabrication to standard bending schedule shapes, from client drawings or BOQ.

Codes

Service

Application

20 to 86 (standard shapes)

From drawings or BOQ

Structural & architectural steel

Full Home Construction & Interior Finishes

Complete residential builds including roofing, paving, plumbing, tiling, painting and interior fit-outs.

Scope

Includes

Application

Design to handover

Kitchens, closets, partitions

Residential construction

Let's Build the Future—Together

At Bolide Infrastructure Solutions, we believe infrastructure is more than steel, concrete, and design—it's the backbone of progress and prosperity.

Every home we build, every road we pave, and every fence we install is a contribution to Zambia's development story.

With a commitment to excellence and a deep respect for the communities we serve, we strive to be more than a contractor—we aim to be a trusted partner.

Our team's professionalism, diverse capabilities, and passion for results are what fuel our growth and shape our reputation.

From initial design to final installation, we deliver on our promise to build safer, smarter, and stronger spaces.



BOLIDE

INFRASTRUCTURE
SOLUTIONS

We Build Better Futures