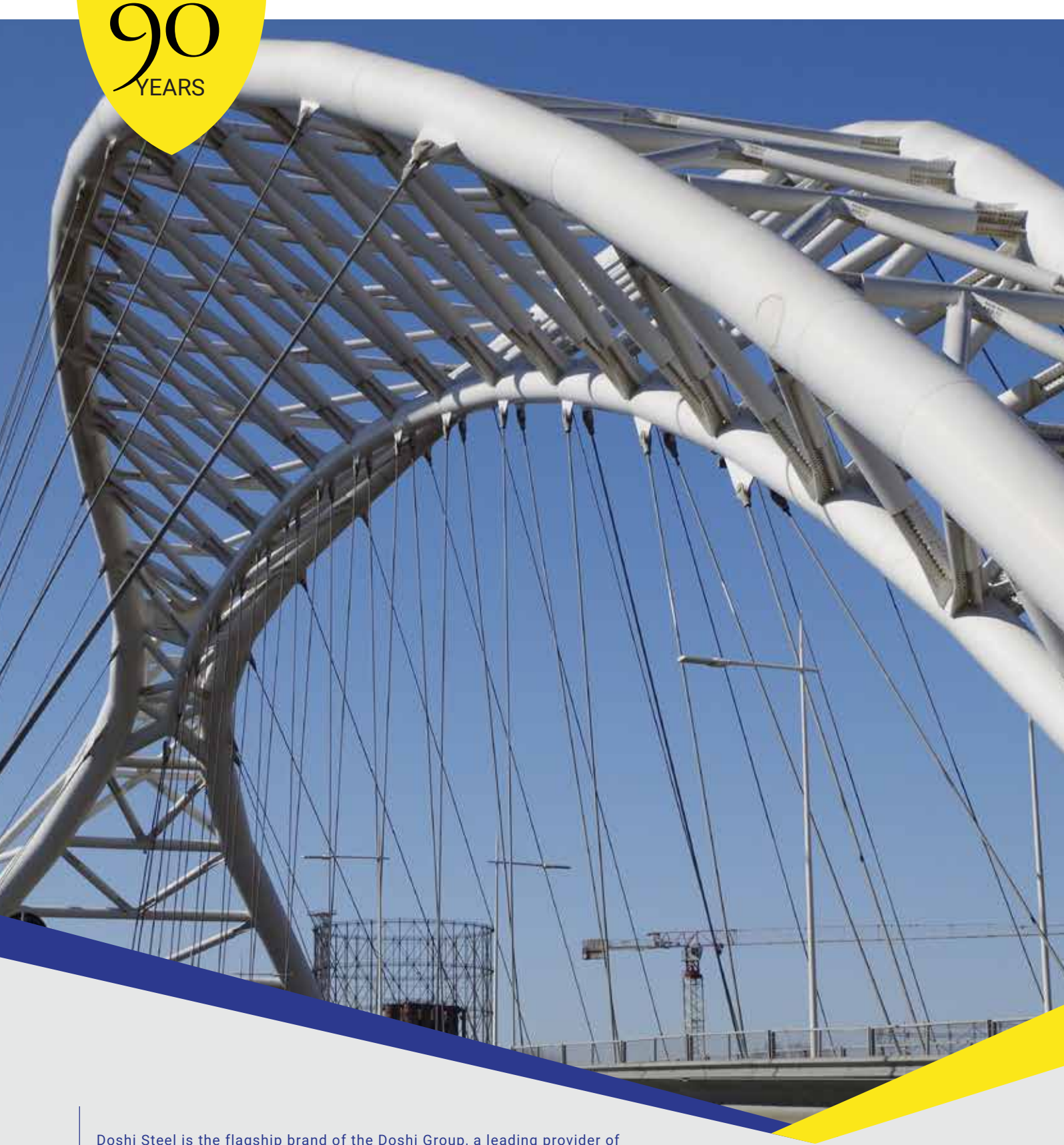
DOSHI STEEL

CHUMA YA NGUVU

OVER 90 YEARS



Doshi Steel is the flagship brand of the Doshi Group, a leading provider of steel, electrical, hardware and water solutions established in 1930 in Mombasa, Kenya.

Doshi Steel offers a Comprehensive range of steel based products used for water systems, conveyance and as structural solutions for construction, engineering, agriculture, mining, automotive, oil & gas and plumbing industries.

Hollow Sections KS EAS 134:2019

Available in rectangular, square and circular cross sections in either mild steel (S235) or High tensile Steel -HyTen 355, to KS EAS 134:2019.

All hollow sections come in lengths of 6 metres. Customized lengths are available on order.

Square Hollow Sections

Cross Section Size (mm) bx b	Thickness Available (mm)								
	1.00	1.20	1.50	2.00	2.50	3.00	4.00	5.00	6.00
	Mass per unit Length (Kg/m)								
12 x 12	0.35	0.41	0.50						
16 x 16	0.47	0.56	0.68						
20 x 20	0.60	0.71	0.87	1.13					
25 x 25	0.75	0.90	1.13	1.44		2.07			
30 x 30	0.91	1.08	1.34	1.76		2.54			
40 x 40	1.19	1.48	1.81	2.39		3.49	4.52		
50 x 50		1.84	2.28	2.39		4.43	5.78		
75 x 75					4.58	6.78	8.92	11.00	13.00
100 x 100						9.14	12.00	14.92	17.70
125 x 125						11.40	15.20	18.84	22.40
150 x 150							18.30	22.3	27.10

Rectangular Hollow Sections

Cross Section Size (mm) b x b	Thickness Available (mm)								
	1.00	1.20	1.50	2.00	2.50	3.00	4.00	5.00	6.00
	Mass per unit Length (Kg/m)								
30 x 10	0.58	0.69	0.84						
30 x 20	0.75	0.90	1.11						
40 x 10	0.74	0.90	1.11						
40 x 20	0.91	1.08	1.34	1.76					
40 x 25	0.99	1.18	1.46	1.92		2.78			
50 x 10	0.91	1.08	1.34						
50 x 25	1.15	1.37	1.70	2.23		3.25			
60 x 40		1.84	2.28	3.01		4.43	5.78		
75 x 50				3.80		5.60	7.35		
100 x 50					4.58	6.78	8.92		
125 x 75						9.14	12.00	14.92	17.7
150 x 50						9.14	12.00		
150 x 75						10.00	13.60	16.88	20.0
150 x 100						11.40	15.20	18.84	22.4
200 x 50						11.40	15.20		
200 x 100							18.30	22.76	27.1

Circular Hollow Sections

Cross Section Diameter - d (mm)	Thickness Available (mm)			
	1.00	1.20	1.50	2.00
	Mass per Unit Length (Kg/m)			
16	0.44	0.55	0.58	
20	0.47	0.56	0.69	
22	0.52	0.62	0.78	0.99
25	0.59	0.70	0.87	1.13
32	0.80	0.91	1.13	1.48
38	0.95	1.12	1.39	1.78
42	1.04	1.21	1.54	2.05
48	1.2	1.39	1.73	2.28
60		1.78	2.16	2.88
76			2.76	3.75

Galtron®

Galtron® is the brand name for pre-galvanized steel tubes manufactured by Doshi®. The tubes are made from a zinc coated steel sheet that is rolled and welded to create a tube. This gives the tubes a barrier against the elements that cause corrosion.

Benefits

- Corrosion free when properly prepared, handled and stored.
- Better appearance & smooth surface.

Circular Hollow Sections Specifications

Cross Section Diameter - d (mm)	Thickness Available (mm)			
	1.00	1.20	1.50	2.00
	Mass per Unit Length (Kg/m)			
16	0.42	0.47	0.58	
20	0.50	0.59	0.73	
22	0.56	0.66	0.80	1.00
25	0.62	0.75	0.92	1.19
32	0.79	0.94	1.18	1.54
38	0.95	1.14	1.41	1.85
42	1.06	1.27	1.58	2.07
48	1.2	1.42	1.76	2.36
50	1.26	1.52	1.88	2.48
60	1.56	1.8	2.24	2.95

Square Hollow Sections Specifications

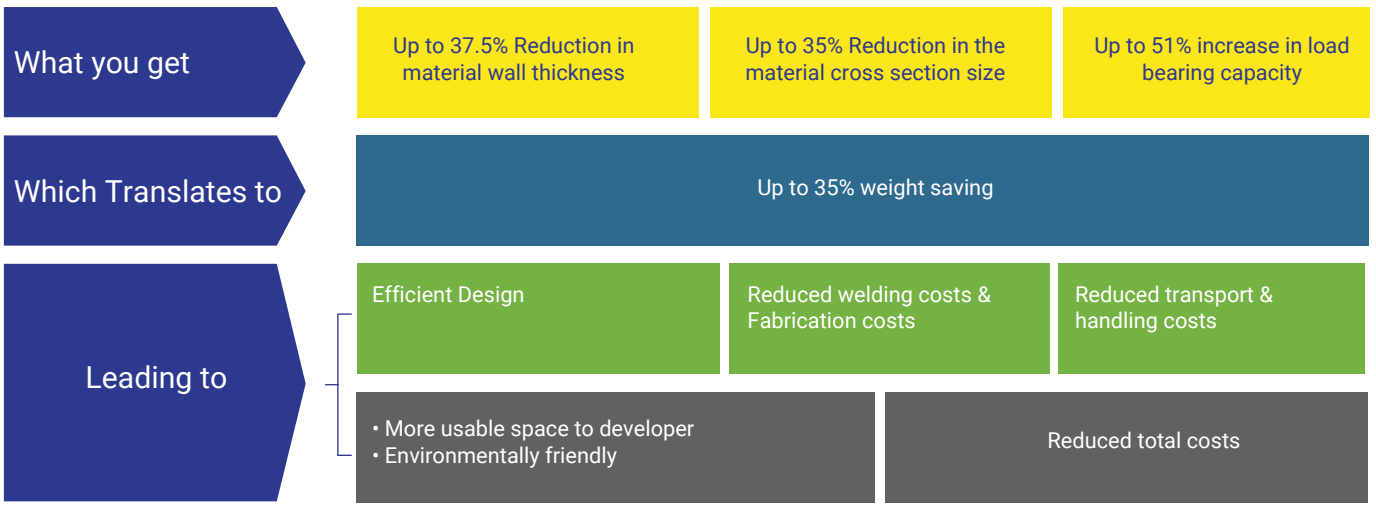
Cross Section Diameter - d (mm)	Thickness Available (mm)			
	1.00	1.20	1.50	2.00
	Mass per Unit Length (Kg/m)			
12 x 12	0.4	0.45	0.57	
16 x 16	0.52	0.59	0.73	
20 x 20	0.64	0.75	0.90	1.15
25 x 25	0.80	0.92	1.13	1.45
30 x 30	0.96	1.11	1.37	1.77
40 x 40	1.29	1.49	1.87	2.31
50 x 50	1.65	1.87	2.31	3.02
60 x 60	1.97	2.24	2.8	3.72

HyTen 355®

High Performance Tubes

HyTen 355® are high performance and high tensile tubes with a minimum yield strength of 355 Mpa and ultimate tensile strength of 450Mpa. They offer unmatched structural and design related benefits, which result in direct cost savings. The tubes suit a range of engineering designs and fabrication applications.

Advantages of High Tensile Steel over Mild Steel



- Test certificate and in-line marking – guarantees compliance and quality.
- Available in a comprehensive range of dimensions and thicknesses in Square, Rectangle and Circular shapes for structural, general fabrication and engineering applications.

Steel Pipes – Black & Galvanized

Dimensions Of Steel Pipes - Black & Galvanized as per KS06 - 250								
Class	Nominal Bore		Thickness	Outside Diameter (mm)		Mass of Black Tube		Mass of Galvanized
				O.D (Min)	O.D (Max)	Plain End	Threaded & socketed	Threaded & socketed
	Inches	mm	mm	mm	mm	kg/m	kg/m	kg/m
A	1/2"	15	2.00	21.00	21.40	0.95	0.96	1.04
	3/4"	20	2.35	26.40	26.90	1.41	1.42	1.53
	1"	25	2.65	33.20	33.80	2.01	2.03	2.19
	1 1/4"	32	2.65	41.90	42.50	2.58	2.61	2.82
	1 1/2"	40	2.90	47.80	48.40	3.25	3.29	3.55
	2"	50	2.90	59.60	60.20	4.11	4.18	4.51
	2 1/2"	65	3.25	75.20	76.00	5.80	5.92	6.39
	3"	80	3.25	87.90	88.70	6.81	6.82	7.54
	4"	100	3.65	113.00	113.90	9.89	10.20	11.02
B	1/2"	15	2.65	21.10	21.70	1.22	1.23	1.33
	3/4"	20	2.65	26.60	27.20	1.58	1.59	1.72
	1"	25	3.25	33.40	34.20	2.44	2.46	2.66
	1 1/4"	32	3.25	42.10	42.90	3.14	3.17	3.42
	1 1/2"	40	3.25	48.00	48.80	3.61	3.65	3.94
	2"	50	3.65	59.80	60.80	5.10	5.17	5.58
	2 1/2"	65	3.65	75.40	76.60	6.51	6.63	7.16
	3"	80	4.05	88.10	89.50	8.47	8.64	9.33
	4"	100	4.50	113.30	114.90	12.10	12.40	13.39
	5"	125	4.85	138.70	140.60	16.20	16.70	18.04
	6"	150	4.85	164.10	166.10	19.20	19.80	21.38
	8"	200	5.00	215.30	217.30	27.71	28.56	30.84
C	1/2"	15	3.25	21.10	21.70	1.45	1.46	1.58
	3/4"	20	3.25	26.60	27.20	1.90	1.91	2.06
	1"	25	4.05	33.40	34.20	2.97	2.99	3.23
	1 1/4"	32	4.05	42.10	42.90	3.84	3.87	4.18
	1 1/2"	40	4.05	48.00	48.80	4.43	4.47	4.83
	2"	50	4.50	59.80	60.80	6.17	6.24	6.74
	2 1/2"	65	4.50	75.40	76.60	7.90	8.02	8.66
	3"	80	4.85	88.10	89.50	10.10	10.30	11.12
	4"	100	5.40	113.30	114.90	14.40	14.70	15.88
	5"	125	5.40	138.70	140.60	17.80	18.30	19.76
	6"	150	5.40	164.10	166.10	21.20	21.80	23.54
	8"	200	6.00	215.30	217.30	31.82	32.57	35.18

Steel Borehole Casings Kg/6m	3.80	4.00	4.50
	Mass per Unit Length		
Borehole Casing 6"	92	97	108
Borehole Casing Slotted 6"	92	97	108
Borehole Casing 8"		133	
Borehole Casing Slotted 8"		133	

Purlins (Can be pre-punched as per customer's requirement)

Z - Purlins	
Size - Depth (In.) x Flange(In.) x Thickness (mm)	Mass/ Unit Length (Kg/m)
4" x 2" x 2.0	3.65
4.5" x 2" x 2.0	3.85
5" x 2" x 2.0	4.05
5.5" x 2" x 2.0	4.25
6" x 2" x 2.0	4.45
6.5" x 2" x 2.0	4.65
7" x 2" x 2.0	4.75
7" x 2" x 2.5	5.90
7" x 2.5" x 2.5	6.40
7" x 3" x 3.0	8.17

C- Channels

Lipped Channels		
Size (mm) : Width x Height x Lip	Thickness (mm)	
	1.20	2.00
	Weight per unit length (Kg/m)	
150 x 30 x 12	2.08	
100 x 25 x 12	1.50	
75 x 50 x 50		3.03
100 x 50 x 20		3.42
125 x 50 x 20		3.82
150 x 50 x 20		4.25
175 x 50 x 20		4.60
125 x 75 x 20		4.43
150 x 75 x 20		4.81

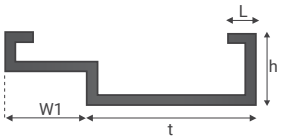
Black Binding Wire

Gauge	16 (1.55mm)
Packing	25 Kg Rolls

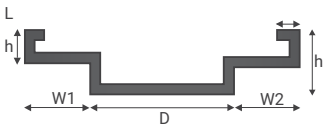
Door Profiles

Door Profile - Omega				
Size (mm)	W1	48	48	44.00
	D	54	54	54.00
	W2	48	32	44.00
	h	17	17	17.00
	t	1.00	1.00	1.00

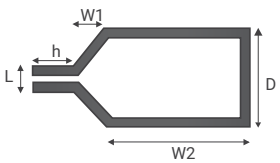
Door Frame - Single (1/2 HS)		
Size (mm)	W1	48
	D	52
	h	42
	h1	12
	L	12
	t	1.00



Double Frame - Double (Hs Profile)				
Size (mm)	W1	37	48	32
	D	54	54	54
	W2	52	48	48
	h	46	46	46
	h1	16	16	16
	L	13	15	13.4
	t	1.0	1.0	1.0

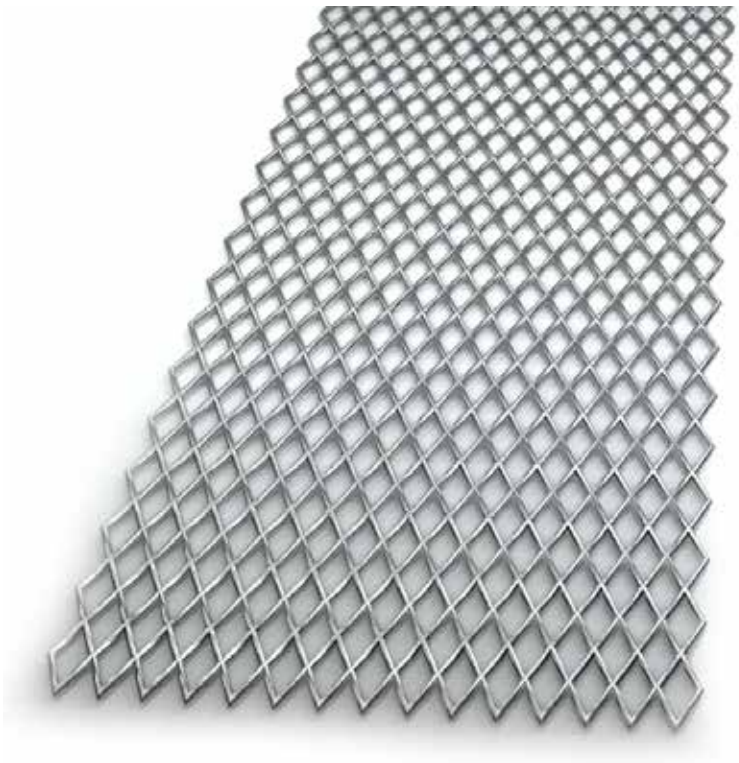


Bottle		
Size (mm)	W1	15
	D	33
	W2	64
	h	15
	L	2
	t	1.0



Expanded Metal

Size (Feet)	S.W.M (Inches)	Strand Thickness (mm)	Strand Width (mm)	Kgs/sheet
8 x 4	1/4"	1.00	1.00	7.40
8 x 4	1/4"	1.20	1.20	10.60
8x 4	1/4"	1.20	1.50	13.00
8 x 4	1/2"	1.20	1.20	5.30
8 x 4	1/2"	1.20	1.50	6.50
8 x 4	1/2"	1.20	3.00	11.00
8 x 4	1/2"	1.50	1.50	8.30
8 x 4	1/2"	1.50	3.00	16.60
8 x 4	1/2"	2.00	3.00	22.00
8 x 4	3/4"	1.20	1.20	3.50
8 x 4	3/4"	1.20	1.50	4.40
8 x 4	3/4"	1.20	3.00	9.00
8 x 4	3/4"	1.50	1.50	5.50
8 x 4	3/4"	1.50	3.00	11.00
8 x 4	3/4"	2.00	3.00	14.70
8 x 4	1"	1.50	1.50	4.10
8 x 4	1"	1.50	3.00	8.30
8 x 4	1"	2.00	3.00	11.00
8 x 4	1 1/2"	1.50	3.00	5.50
8 x 4	1 1/2"	1.50	3.00	5.50



Mosquito mesh size available

Sheets & Plates

Size: 2440mm x 1220mm (8' x 4')

Available Thickness (mm)	Hot Rolled	Chequered	Cold Rolled	Galvanized
	Mass per Sheet (Kgs)			
0.3				7
0.4				9.4
0.5			11.7	11.7
0.6			14	14
0.8			18.7	18.7
1.0	23.4		23.4	23.4
1.2	28.1		28.1	28.1
1.5	35.1	36	35.1	35.1
1.6		40		
1.9	44.5			
2.0	46.8		46.8	46.8
2.4	56.2	58		
2.5	58.5			58.5
2.7	63.2			
2.8	66.3	68		
2.85	66.5			
3.0	70.2			70.2
3.8	88.9	91		
4.0	93.6			
4.5	105.3			
5.0	117			
5.8	135.7	138		
6.0	140.4			
8.0	187	190		
10.0	234			
12.0	281			
15.0	351			
16.0	374			
18.0	421			
20.0	468			
25.0	585			
30.0	702			
32.0	749			
38.0	889			
50.0	1170			
75.0	1755			
100	2340			

Hot Rolled (Mild Steel) Sheets

Special lengths & widths available

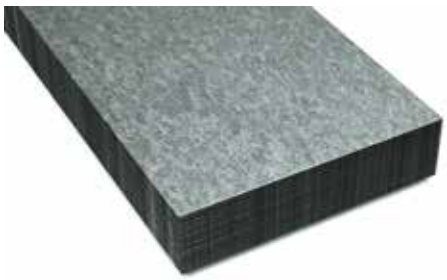
VRN Hard Wearing Plates

Size: 3000mm x 1200mm

Thickness; 6mm, 8mm, 10mm, 12mm, 25mm, 32mm

Galvanised Plain Sheets

Size: 2440mm x 1220mm (8' x 4')

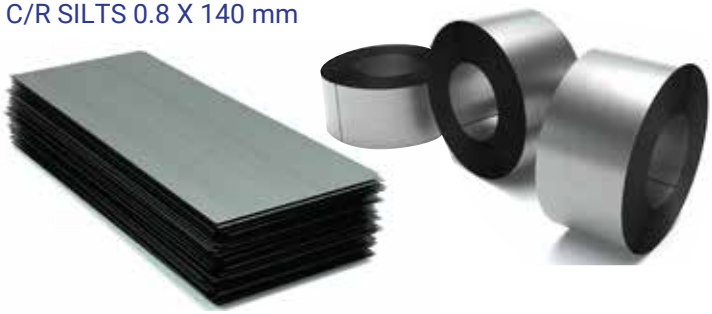


Special lengths available.

Cold Rolled Sheets (CRCA)

Size: 2440mm x 1220mm (8' x 4')

C/R SILTS 0.8 X 140 mm



Hr Chequered Plates

Size: 2440mm x 1220mm (8' x 4')

Special lengths available.

Flat Iron

Size - Width (mm)	Available Sizes - Thickness (mm)						
	3	4	6	8	10	12	15
	Mass per Unit Length (Kg/M)						
12	1.7	2.26	3.4				
16	2.26	3					
20	2.82	3.76	5.65				
25	3.54	4.71	7.08	9.42	11.78		
30	4.26	5.65	8.46	11.30	14.13		
40	5.64	7.53	11.28	15.06	18.82		28.26
50	7.08	9.42	14.16	18.84	23.52		35.33
65	9.19	12.25	18.36	24.49	30.62	36.74	45.92
75	10.60	14.13	21.18	28.26	35.33	42.39	52.99
100	14.13	18.84	28.26	37.68	47.10	56.52	70.65
125			35.33	47.10	58.88		
150			42.39	58.52	70.65	84.78	105.98

Bright Steel Shafting

Diameter	Diameter (mm)	Kgs/6m
1/4"	6.35	1.5
5/16"	7.94	2.4
3/8"	9.53	3.4
7/16"	11.11	4.6
1/2"	12.70	6.0
9/16"	14.29	7.6
5/8"	15.88	9.3
3/4"	19.05	13.4
7/8"	22.23	18.3
1"	25.40	23.9
1 1/8"	28.58	30.2
1 1/4"	31.75	37.3
1 3/8"	34.93	45.1
1 1/2"	38.10	53.7
1 5/8"	41.28	63.0
1 3/4"	44.45	73.1
2"	50.80	95.4
2 1/4"	57.15	121
2 1/2"	63.50	149
2 5/8"	66.68	165
2 3/4"	69.85	181
3"	76.20	215
3 1/4"	82.55	252
3 1/2"	88.90	292
4"	101.60	382
4 1/2"	114.30	483
5"	127.00	597
5 1/2"	139.70	722
6"	152.40	859

Hot Rolled Channels

Hot Rolled Taper Flange Channels

Size: b x h (mm)	Mass per unit Length (kg/m)	Thickness	
		Web	Flange
76 x 38	6.70	5.10	6.80
80 x45	8.64	6.00	8.00
100 x 50	10.60	6.00	8.50
127 x 64	14.90	6.40	9.20
152 x 76	17.90	6.40	9.00
200 x75	25.30	8.50	11.50
254 x 89	35.70	9.10	13.60
305 x 102	46.20	10.20	14.80

Hot Rolled Angles

Size: a x a (mm)	Available Thickness (mm)					
	3.00	4.00	6.00	8.00	10.00	12.00
EQUAL	Mass per unit length (kg/m)					
20 x 20	0.88					
25 x 25	1.12	1.45				
30 x 30	1.36	1.78				
40 x 40	1.87	2.42	3.52			
50 x 50	2.37	3.06	4.47			
60 x 60			5.42			
65 x 65			5.91			
70 x 70			6.38	8.36		
75 x 75			6.85	8.99	11.06	
100 x 100			9.26	12.20	15.00	117.80
120 x 120					18.20	21.60
150 x 150						27.30
UNEQUAL						
100 x 75			8.04	10.60		

Standard length is 6 meters.

Universal Columns - BS4 – 1:2005

Section Designation	kg/m	Thickness	
		Web	Flange
152 x 152 x 23	23.00	5.80	6.80
203 x 203 x 46	46.10	7.20	11.00
254 x 254 x 73	73.00	8.60	14.20
305 x 305 x 97	97.00	9.90	15.40

Universal Beams - BS4-1:2005

Section Designation	kg/m	Thickness	
		Web	Flange
203 x 133 x 25	25.10	5.70	7.80
254 x 102 x 22	22.00	5.70	6.80
254 x 146 x 31	31.00	6.00	8.60
305 x 102 x 25	25.00	5.80	7.00
305 x 165 x 40	40.30	6.00	10.20
356 x 127 x 33	33.00	6.00	8.50
356 x 171 x 45	45.00	7.00	9.70
406 x 140 x39	39.00	6.40	8.60
406 x 178 x 54	54.00	7.70	10.90
406 x 178 x 67	67.00	8.80	14.30
406 x 178 x 74	74.00	9.50	16.00
457 x 191 x 67	67.00	8.50	12.70
457 x 191 x 74	74.00	9.00	14.50
533 x 210 x 82	82.00	9.60	13.20
533 x 210 x 92	92.00	10.10	15.60
610 x 229 x 101	101.00	10.50	14.80

IPE and IPE AA Beams

Section Designation	kg/m	Thickness	
		Web	Flange
IPE 100 AA	6.89	3.60	4.50
IPE 100	8.10	4.10	5.70
IPE 120 AA	8.36	3.80	4.80
IPE 120	10.40	4.40	6.30
IPE 140 AA	10.50	3.80	5.20
IPE 160 AA	12.31	4.00	5.60
IPE 160	15.80	5.00	7.40
IPE 180 AA	14.90	4.30	6.20
IPE 180	18.80	5.30	8.00
IPE 200 AA	17.95	4.50	6.70
IPE 200	22.40	5.60	8.50

CNC drilling and cutting services available.

Standard length is 12 Metres. All universal beams and columns conform to EN10025 – S355.

Computerized Numerical Control (CNC) Cutting & Drilling Services

Doshi offers CNC cutting and drilling services for Beams, Channels, Angles, Square and Rectangular Hollow Sections.

The service offers numerous advantages that enhance productivity giving fabricators & contractors a competitive edge through:

- Reduction in fabrication time by as much as 50%.
- Guaranteed precision of cut and drilled sections.
- Reduced inventory cost.

The fabricator gets the following benefits:

- Improved cash flow due to reduced project turnaround time.
- Quick mass production especially where a job involves a very large number of steel components.
- Reduced incidence of human errors since drawings are downloaded directly from the design/ drawing software.
- Smoothly finished cuts on the first go with accuracy levels of up to ±0.05 mm.
- Scribing and contour marking is possible allowing for easy identification of sections and quick assembly at the fabricator's work place or on site.

BRC Structural Square Mesh Fabric

(KS 412 – 2:2019)

Mesh Ref.	Mesh Size(Nominal pitch of wires) mm		Wire Size (mm)	Cross section Area per metre	Kgs/m	Roll Size (m)
A66	200	200	4	66	0.99	2.1 x 48
A98	200	200	5	98	1.54	2.1 x 48
A142	200	200	6	142	2.22	2.1 x 48
A193	200	200	7	193	3.03	2.1 x 4.2

Deformed Bars

BS 4449 GRADE 500 (KES 412- 2:2019)

SIZE	Cross Sectional Area (mm2)	Kgs/m	Kgs/ 12m
8mm	50.3	0.395	4.74
10mm	78.5	0.616	7.39
12mm	113	0.888	10.66
16mm	201	1.579	18.95
20mm	314	2.466	29.59
25mm	491	3.854	46.25
32mm	804	6.313	75.76
40mm	1257	9.86	118.32

Standard length is 12 metres

Round & Square Bars

Round Iron Bars	
SIZE	Kgs/m
5.5mm	0.188
8mm	0.395
10mm	0.616
12mm	0.888

Round Bars & Square Bars	
SIZE	Kgs/m
10mm	0.616
12mm	0.888
16mm	1.579
20mm	2.466
25mm	3.854
32mm	6.313

Wire Nails (KS EAS 914 : 2019)

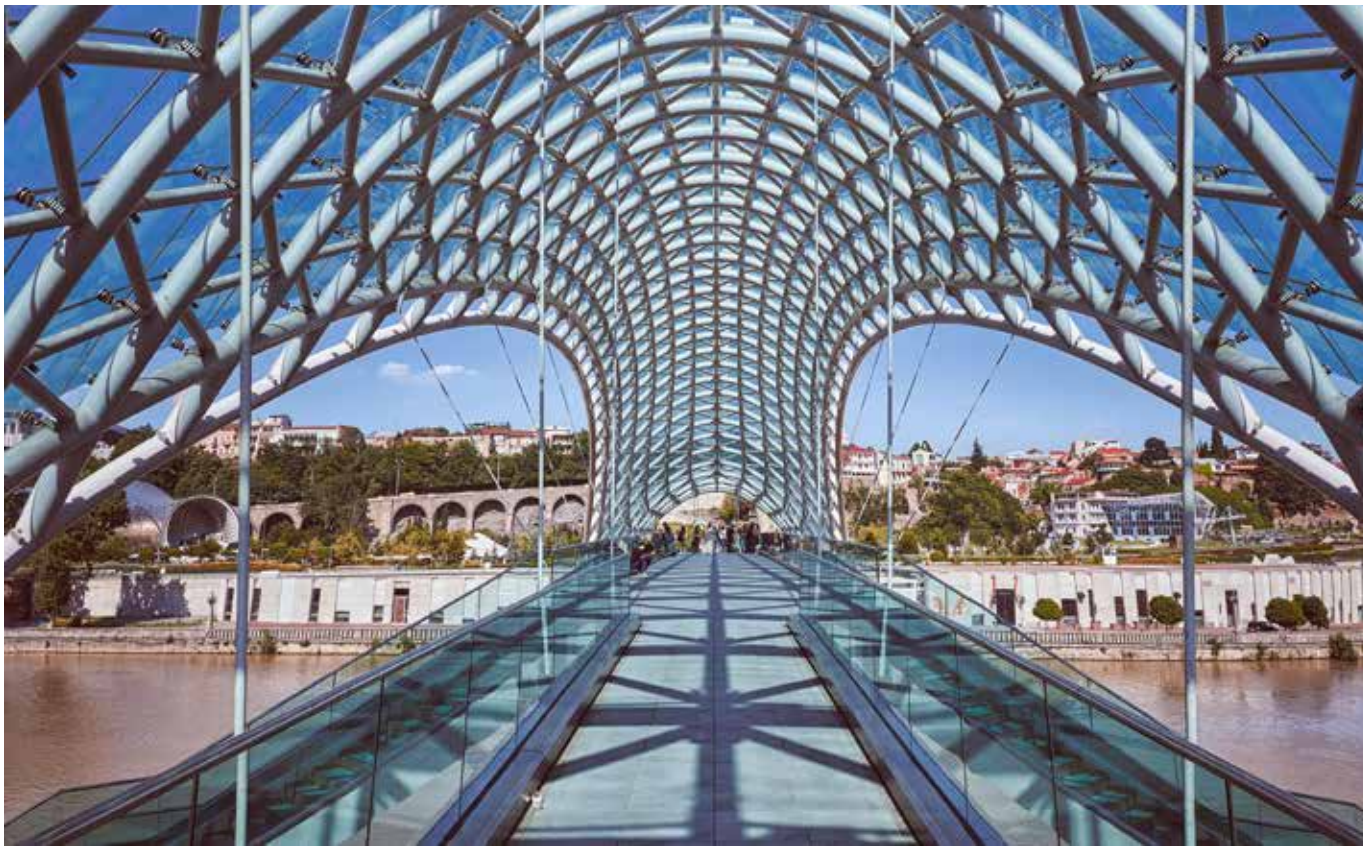
Round Plain Head Nails

Size (Inches)	Shank Diameter	
	Min (mm)	Max (mm)
1"	1.95	2.05
11/2"	2.45	2.55
2"	2.95	3.05
21/2"	3.45	3.55
3"	3.95	4.05
4"	4.95	5.05
5"	5.45	5.55
6"	5.85	5.95

All nails packed in 25Kg bags

Furniture Nails (Polished)

Size (Inches)	Shank Diameter	
	Min (mm)	Max (mm)
2	2.4	2.5
2½	2.55	2.65
3	3.15	3.25
4	3.85	3.95



Our Quality Promise

Over the years, the Doshi Group has maintained its commitment to consistently offer customers the highest quality products & solutions through raw materials and processes that conform to local and international standards.
Our steel products have various features that offer customers numerous benefits including:

- The right gauge
- The right length
- Sharp corners (for tubes)
- Burr free & smooth finishes

The following help us deliver quality products to our customers:

- Numerically controlled cut off system where the length of pipes and sections are programmed to the highest accuracy.
- Frequent physical checks including deformation tests, tensile tests and dimensional inspections to ensure conformity to the highest standards.
- Hydraulic tests of up to 50 bars for water pipes to check for welding joint strength and pressure tolerances.
- Minimum zinc coating of 400g/m2 on galvanized pipes. The pipes are tested for uniformity and adherence of zinc coating.

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