



BNYAN AL MUSTAGBAL STEEL CATALOG

BNYAN | بنيان

Delivering Premium Quality and Reliable
Innovation in Steel Products”



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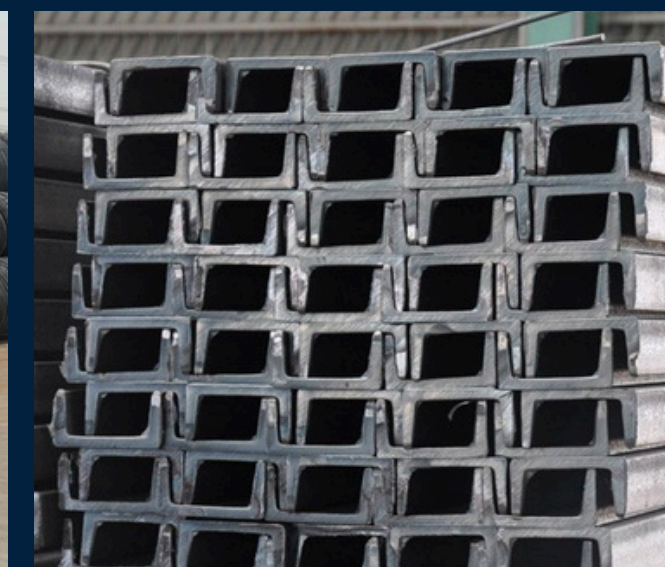
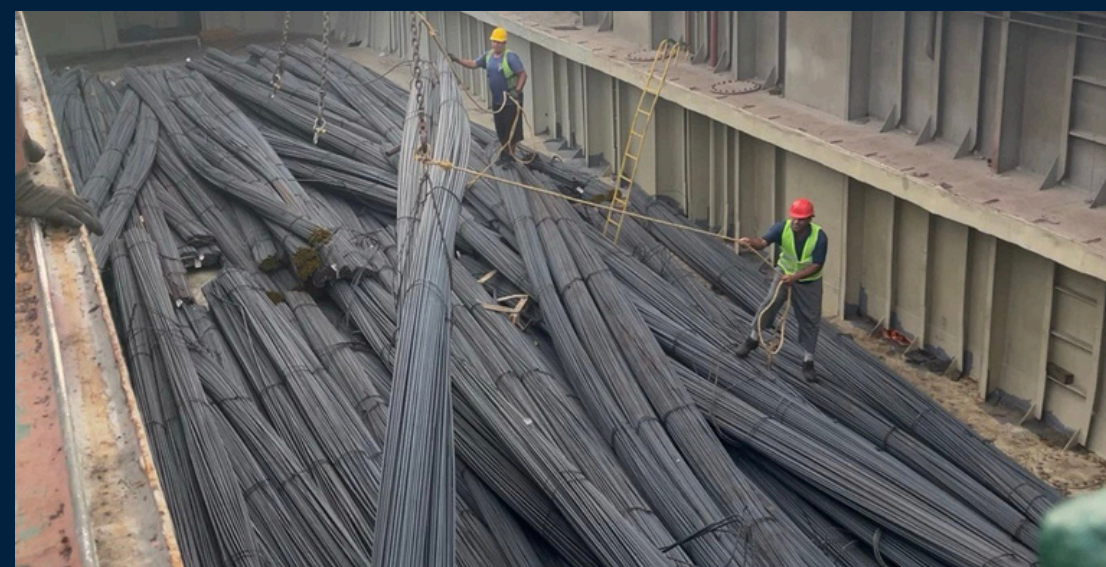


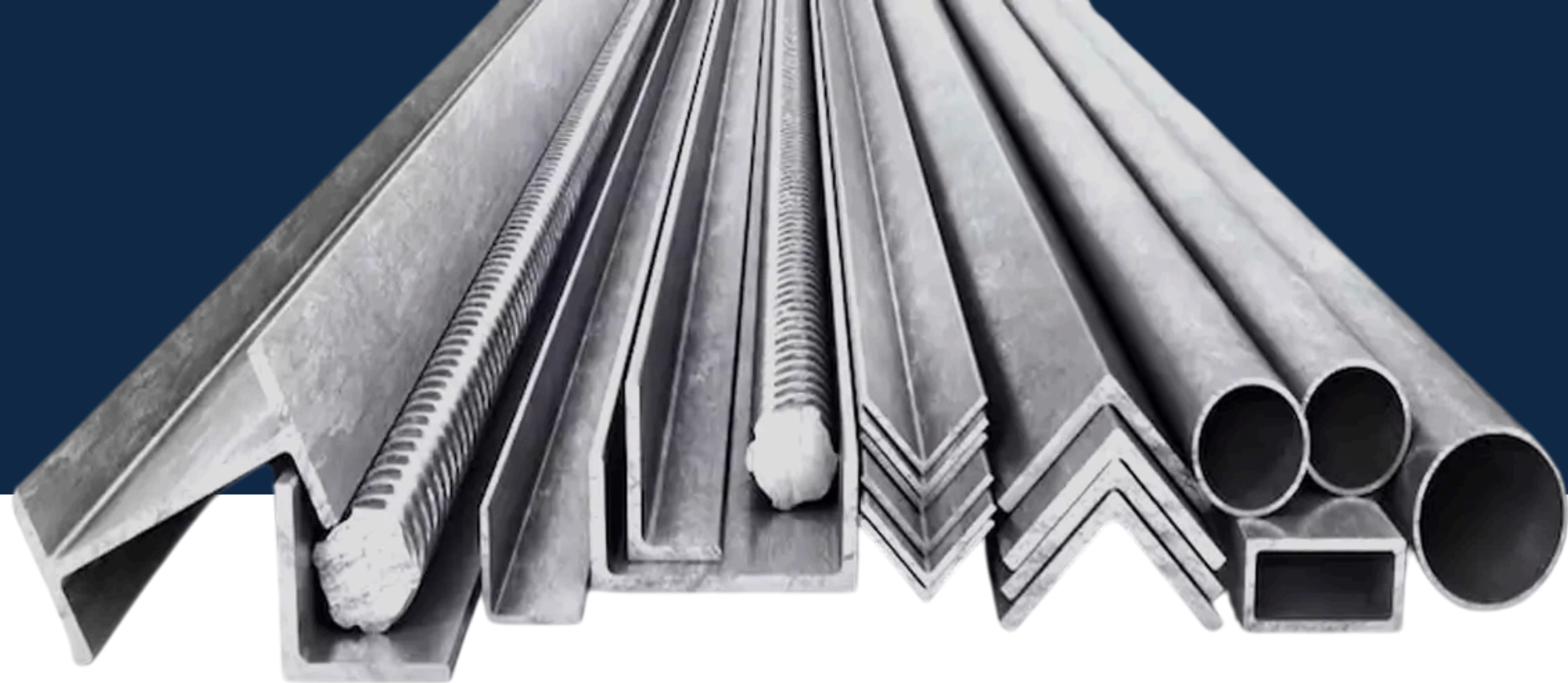


Projects and Collaborations

Projects and Collaborations

Our company has successfully completed various projects across the UAE and collaborated with clients from neighboring GCC countries, including Oman, Qatar, Iraq, and more. With a strong track record of excellence, we take pride in being a trusted partner in the construction and steel industry.





ABOUT US

WELCOME TO BNYAN AL MUSTAGBAL

Who We Are

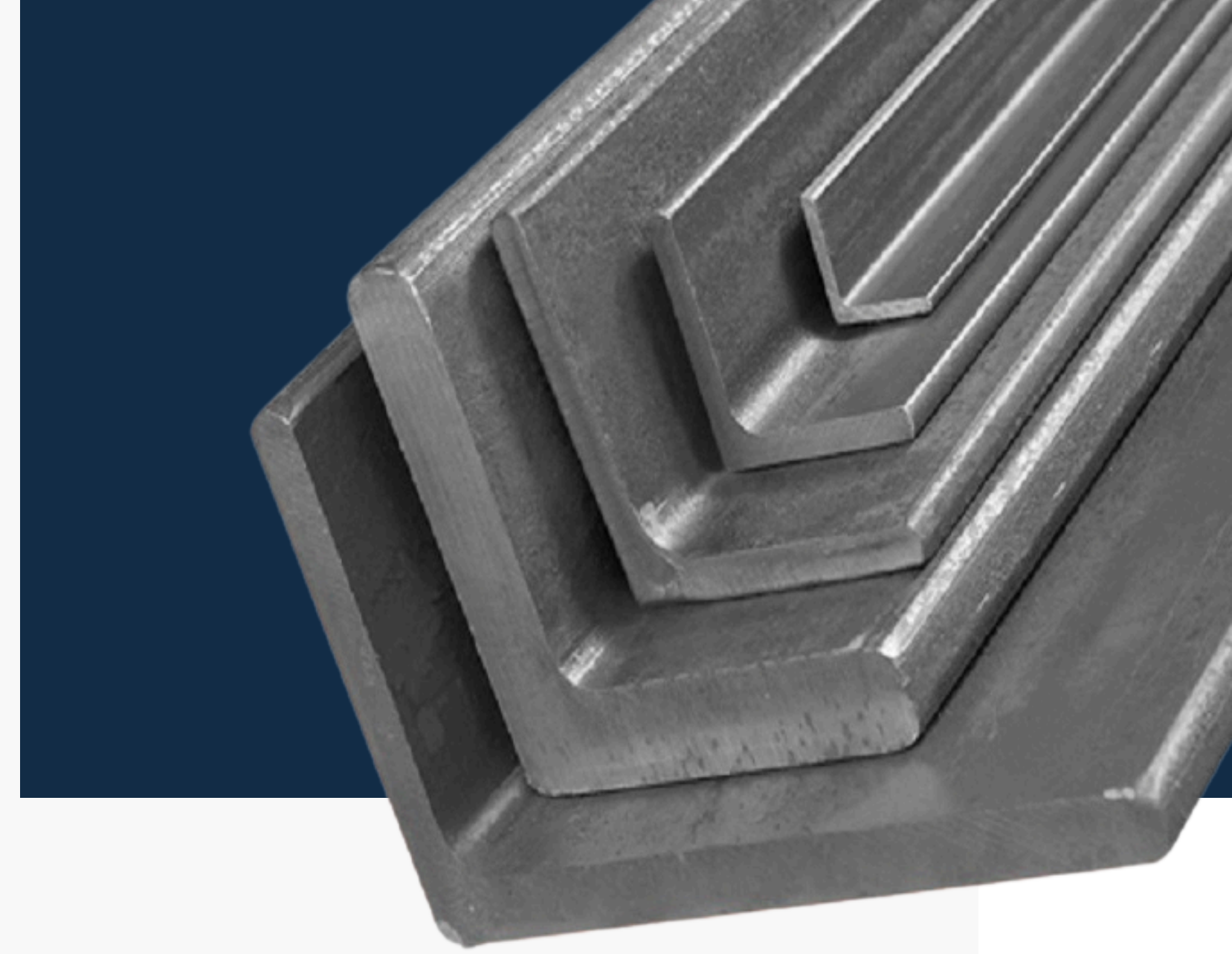
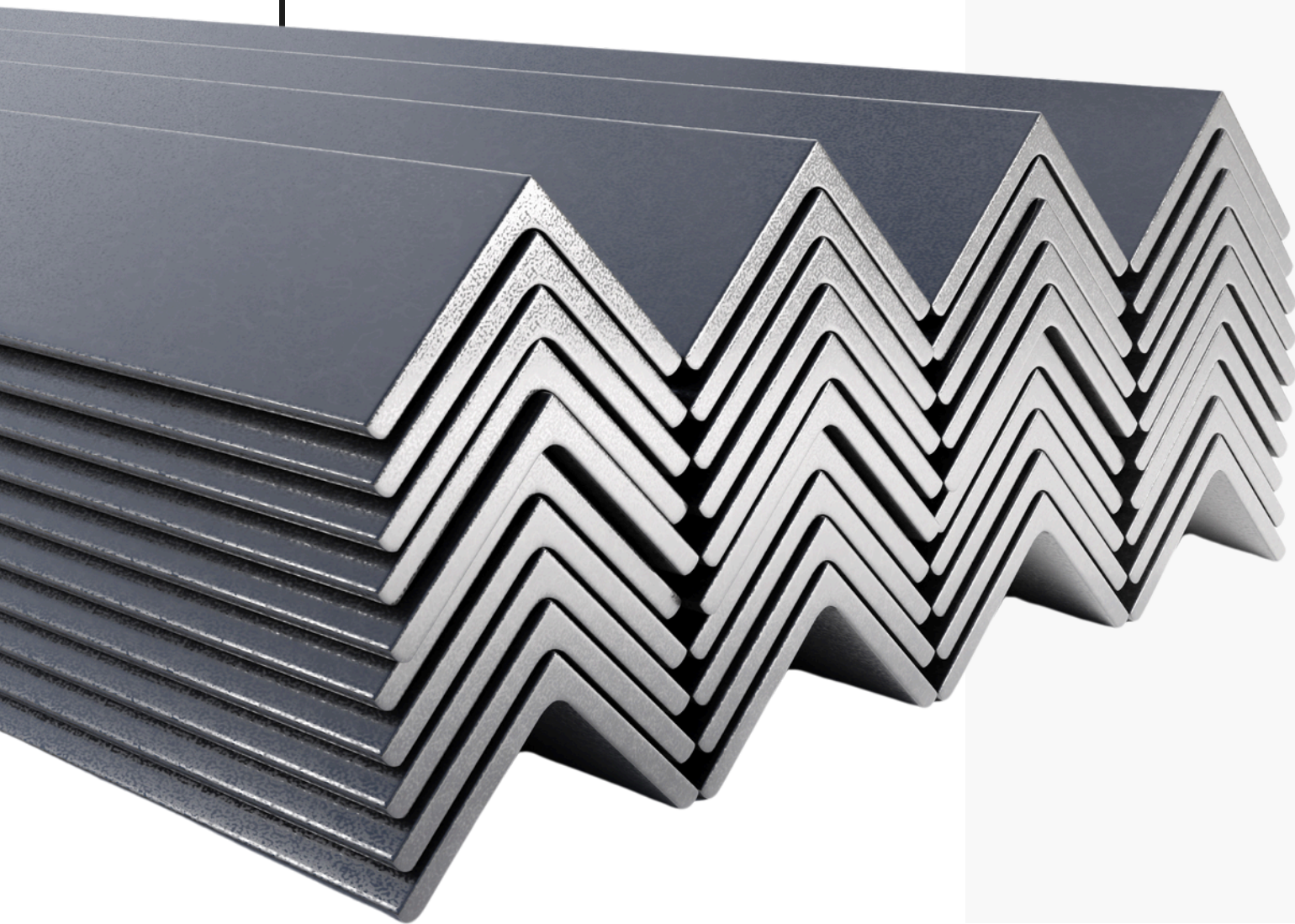
At BNYAN ALMUSTAGBAL BUILDING MATERIALS TRADING, we focus on supplying a diverse range of steel materials tailored for construction and industrial needs. Our offerings include structural steel, such as sections, beams, rebars, and angles, as well as raw materials like billets and ferrosilicon and ...

We take pride in delivering high-quality steel products to support your projects, whether large-scale constructions or precision industrial applications. With a commitment to reliability, quality, and customer satisfaction, we aim to be your trusted partner in the steel industry in united arab emirates

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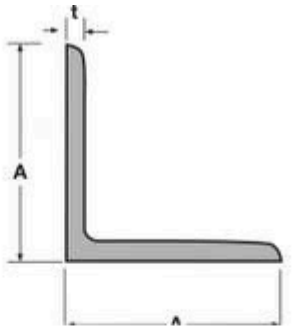


MILD STEEL EQUAL ANGLES UNEQUAL ANGLES



MS Equal and Unequal Angles

We supply high-quality MS Equal and Unequal Angles, ideal for a variety of structural applications. These steel sections are widely used in construction, fabrication, and industrial projects due to their strength, durability, and versatility. Available in different sizes and specifications, they are designed to meet the diverse needs of our customers.



Designation		Mass per metre
Size	Thickness	
A	t	
mm	mm	kg

25 x 25	2.7	1.01
	3	1.12
	4	1.46
	5	1.77

30 x 30	2.5	1.14
	3	1.36
	4	1.78
	5	2.18

38 x 38	2.5	1.46
	2.7	1.57
	3	1.74
	3.7	2.12
	4.6	2.60
	5	2.80

40 x 40	2.7	1.66
	3.0	1.84
	3.7	2.25
	4	2.42
	4.7	2.81
	5	2.97
	6	3.52

Designation		Mass per metre
Size	Thickness	
A	t	
mm	mm	kg

50 x 50	3.0	2.34
	3.7	2.84
	4.0	3.07
	4.7	3.56
	5	3.77
	5.5	4.12
	6	4.47
	8	5.82

60 x 60	5	4.58
	6	5.42
	8	7.09

63 x 63	5	4.81
	6	5.77

65 x 65	5	4.97
	6	5.92
	8	7.67

70 x 70	5	5.37
	6	6.38
	7	7.38
	8	8.40

Designation		Mass per metre
Size	Thickness	
A	t	
mm	mm	kg

75 x 75	5	5.80
	5.5	6.30
	6	6.87
	8	9.03
	9.0	9.96
	10	11.07
	12	13.1

80 x 80	6	7.34
	8	9.63
	10	11.9

90 x 90	6	8.33
	7	9.61
	8	10.9
	9	12.2
	10	13.4
	12	15.9

100 x 100	6	9.20
	7	10.73
	8	12.2
	10	15
	12	17.8
	15	21.9

Designation		Mass per metre
Size	Thickness	
A	t	
mm	mm	kg

120 x 120	8	14.7
	10	18.2
	12	21.6
	15	25
	16	26.6

125 x 125	10	18.80
	12	22.50

130 x 130	9	17.90
	10	19.89
	12	23.60

150 x 150	10	23
	12	27.3
	15	33.8
	18	40.1
	20	44.2

200 x 200	16	48.5
	18	54.2
	20	60.0
	24	71.1

Grades Available:
S275JR / ASTM A36 / SS400

Designation		
Size	Thiciness	Mass
A x B	t	per
mm	mm	meter

65 x 50	5	4.35
	6	5.16
	8	6.75

75 x 50	5	4.87
	6	5.65
	8	7.40
	10	9.07

100 x 50	6	6.94
	8	8.99
	10	11.1

100 x 65	7	8.77
	8	9.94
	10	12.3

100 x 75	6	8.05
	7	9.32
	8	10.6
	9	11.80
	10	13
	12	15.4

120 x 80	8	12.2
	10	15
	12	17.8
	14	20.5

Designation		
Size	Thiciness	Mass
A x B	t	per
mm	mm	meter

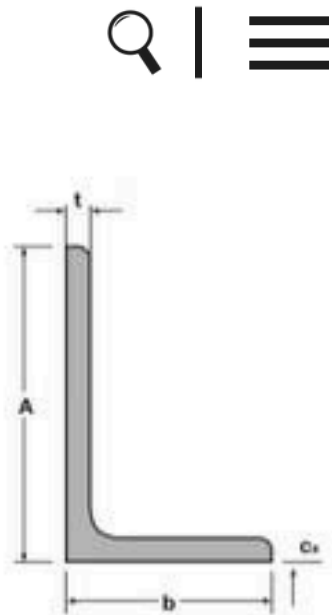
125 x 75	7	10.73
	8	12.2
	9	13.60
	10	15
	12	17.8

150 x 75	10	17
	12	20.2
	15	24.8

150 x 90	9	16.50
	10	18.2
	12	21.6
	15	26.6

150 x 100	10	19
	12	22.75
	14	26.1
	15	27.8

Grades Available:
S275JR / ASTM A36 / SS400





BNYAN
AL MUSTAGBAL Building
Materials Trading

▶ ROUND BAR

▶ WIRE ROD

▶ STEEL BAR



BNYAN GROUP

Our steel product offerings include Steel Bars, Wire Rods, and Round Bars, essential materials for various construction and industrial applications. These products are manufactured to meet high-quality standards, ensuring strength and durability in every project. At BNYAN GROUP, we are committed to providing reliable and versatile steel solutions tailored to the needs of our clients

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STEEL BAR

 AVAILABLE AT ANY SIZE



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STEEL BAR

Rebar
Technical Delivery Condition: EN 10025
Dimensions: EN 10058
Tolerances: EN 10058



DESCRIPTION	DIAMETER	LENGTH
REBAR	8-40	12



BS 4449: 2005				
BS 4449: 2005	YIELD STRENGTH	RATIO	TOTAL ELONGATION AT MAXIMUM FORCE	RADIUS FOR BEND TEST DEGREES
B500B	500	MINIMUM 1.08	5.0	90/20



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▶ AVAILABLE AT ANY SIZE

MS ROUND BAR MS SQUARE BAR



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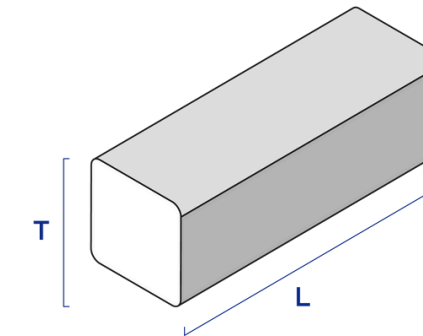
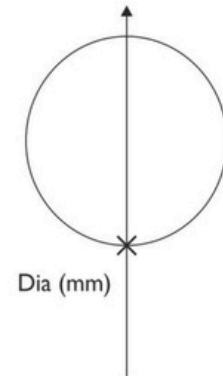
ROUND/SQUARE BAR

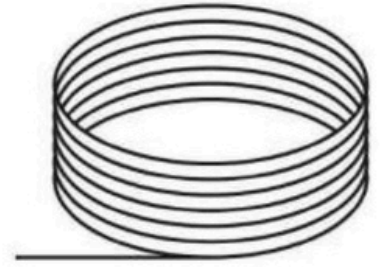
ROUND BAR

Metric Size (mm)	kg/ m
6	0.22
8	0.39
10	0.62
12	0.89
16	1.58
20	2.47
25	3.85
32	6.31
40	9.86
45	12.5
50	15.4
60	22.2
65	26
75	34.7
90	49.9
100	61.6

SQUARE BAR

Metric Size (mm)	kg/ m
8	0.5
10	0.79
12.5	1.22
16	2.01
20	3.14
25	4.91
30	7.07
32	8.04
40	12.6
45	15.9
50	19.6
60	28.3
75	44.2
90	63.6
100	78.5





► WIRE ROD



WIRE ROD LIST

CHEMICAL COMPOSITION, %

Standard	Grade	C		Si		Mn		P		S		N	
		min	max	min	max	min	max	min	max	min	max	min	max
ASTM A510M-13:2013	AISI/SAE 1005		0.06	0.05	0.10		0.35		0.030		0.030		
	AISI/SAE 1006		0.08	0.06	0.12		0.35		0.030		0.030		
	AISI/SAE 1008	0.06	0.08	0.06	0.12	0.30	0.50		0.030		0.030		
	AISI/SAE 1010	0.08	0.13	0.10	0.20	0.30	0.60		0.030		0.030		
	AISI/SAE 1011	0.08	0.13	0.10	0.20	0.60	0.90		0.030		0.030		
	AISI/SAE 1012	0.10	0.15	0.10	0.20	0.30	0.60		0.030		0.030		
	AISI/SAE 1013	0.11	0.16	0.06	0.12	0.50	0.80		0.030		0.030		
	AISI/SAE 1015	0.13	0.18	0.06	0.12	0.30	0.50		0.030		0.030		
	AISI/SAE 1016	0.13	0.18	0.10	0.20	0.60	0.90		0.030		0.030		
	AISI/SAE 1017	0.15	0.20	0.10	0.30	0.30	0.60		0.030		0.030		
	AISI/SAE 1018	0.15	0.20	0.10	0.30	0.60	0.90		0.030		0.030		
	AISI/SAE 1019	0.15	0.20	0.10	0.30	0.70	1.00		0.030		0.030		
	AISI/SAE 1020	0.18	0.23	0.10	0.30	0.30	0.60		0.030		0.030		
	AISI/SAE 1021	0.18	0.23	0.10	0.30	0.60	0.90		0.030		0.030		
	AISI/SAE 1022	0.18	0.23	0.10	0.30	0.70	1.00		0.030		0.030		
	AISI/SAE 1023	0.20	0.25	0.10	0.30	0.30	0.60		0.030		0.030		
	AISI/SAE 1025	0.22	0.28	0.10	0.30	0.30	0.60		0.030		0.030		
	AISI/SAE 1026	0.22	0.28	0.10	0.30	0.60	0.90		0.030		0.030		
	AISI/SAE 1029	0.25	0.31	0.10	0.30	0.60	0.90		0.030		0.030		
	AISI/SAE 1030	0.28	0.34	0.10	0.30	0.60	0.90		0.030		0.030		
	AISI/SAE 1034	0.32	0.38	0.10	0.30	0.50	0.80		0.030		0.030		
	AISI/SAE 1035	0.32	0.38	0.10	0.30	0.60	0.90		0.030		0.030		
	AISI/SAE 1037	0.32	0.38	0.10	0.30	0.70	1.00		0.030		0.030		
	AISI/SAE 1038	0.35	0.42	0.10	0.30	0.60	0.90		0.030		0.025		
	AISI/SAE 1039	0.37	0.44	0.10	0.30	0.70	1.00		0.030		0.025		
	AISI/SAE 1040	0.40	0.43	0.15	0.30	0.70	0.80		0.025		0.025		
	AISI/SAE 1042	0.40	0.47	0.15	0.30	0.60	0.90		0.025		0.025		
	AISI/SAE 1043	0.40	0.47	0.15	0.30	0.70	1.00		0.025		0.025		
	AISI/SAE 1044	0.43	0.50	0.15	0.30	0.30	0.60		0.025		0.025		
	AISI/SAE 1045	0.45	0.50	0.15	0.30	0.60	0.90		0.025		0.025		
	AISI/SAE 1046	0.43	0.50	0.15	0.30	0.70	1.00		0.025		0.025		
	AISI/SAE 1049	0.46	0.53	0.15	0.30	0.60	0.90		0.025		0.025		
	AISI/SAE 1050	0.48	0.55	0.15	0.30	0.60	0.90		0.025		0.025		
	AISI/SAE 1053	0.48	0.55	0.15	0.30	0.70	1.00		0.025		0.025		
	AISI/SAE 1055	0.50	0.60	0.15	0.30	0.60	0.90		0.025		0.025		
	AISI/SAE 1059	0.55	0.65	0.15	0.30	0.50	0.80		0.025		0.025		
	AISI/SAE 1060	0.55	0.65	0.15	0.30	0.60	0.90		0.025		0.025		
	AISI/SAE 1064	0.60	0.70	0.15	0.30	0.50	0.80		0.025		0.025		
	AISI/SAE 1065	0.67	0.72	0.15	0.30	0.60	0.90		0.025		0.025		
	AISI/SAE 1067	0.68	0.73	0.15	0.30	0.60	0.90		0.025		0.025		
	AISI/SAE 1069	0.65	0.75	0.15	0.30	0.60	0.90		0.025		0.025		
	AISI/SAE 1070	0.67	0.72	0.15	0.30	0.60	0.90		0.025		0.025		
	AISI/SAE 1072	0.70	0.76	0.15	0.30	0.60	0.90		0.025		0.025		
	AISI/SAE 1074	0.70	0.80	0.15	0.30	0.30	0.60		0.025		0.025		
	AISI/SAE 1075	0.70	0.80	0.15	0.30	0.60	0.90		0.025		0.025		
	AISI/SAE 1078	0.72	0.85	0.15	0.30	0.60	0.90		0.025		0.025		
	AISI/SAE 1080	0.75	0.88	0.15	0.30	0.70	1.00		0.025		0.025		

MECHANICAL PROPERTIES

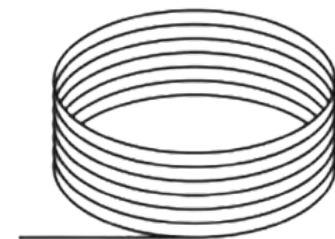
Tensile Strength, N/mm2		Elongation, %		Reduction Area, %	
min	max	min	max	min	max
		400~570	25~28		
					70
		580~910	14~24	40~70	
		930~1100	11~12	30~35	
		1110~1200	10	28	

CHEMICAL COMPOSITION, %

Standard	Grade	C		Si		Mn		P		S		N	
		min	max	min	max	min	max	min	max	min	max	min	max
JIS G3505:2004	SWRM 6		0.08				0.60		0.035		0.035		
	SWRM 8		0.10				0.60		0.035		0.035		
	SWRM 10	0.08	0.13			0.30	0.60		0.035		0.035		
	SWRM 12	0.10	0.15			0.30	0.60		0.035		0.035		
	SWRM 15	0.13	0.18			0.30	0.60		0.035		0.035		
	SWRM 17	0.15	0.20			0.30	0.60		0.035		0.035		
	SWRM 20	0.18	0.23			0.30	0.60		0.035		0.035		
	SWRM 22		0.10		0.10	0.30	0.60		0.035		0.035		
	SWRH 27	0.24	0.31	0.15	0.35	0.30	0.60		0.030		0.030		
JIS G3506:2004	SWRH 32	0.29	0.36	0.15	0.35	0.30	0.60		0.030		0.030		
	SWRH 37	0.34	0.41	0.15	0.35	0.30	0.60		0.030		0.030		
	SWRH 42A	0.39	0.46	0.10	0.25	0.30	0.60		0.030		0.030		
	SWRH 42B	0.39	0.46	0.15	0.35	0.60	0.90		0.030		0.030		
	SWRH 47A	0.47	0.50	0.10	0.25	0.35	0.55		0.030		0.025		
	SWRH 47B	0.47	0.50	0.15	0.35	0.70	0.80		0.030		0.025		
	SWRH 52A	0.52	0.55	0.10	0.25	0.35	0.55		0.030		0.025		
	SWRH 52B	0.52	0.55	0.15	0.35	0.70	0.80		0.030		0.025		
	SWRH 57A	0.56	0.60	0.10	0.25	0.35	0.55		0.030		0.025		
	SWRH 57B	0.56	0.60	0.15	0.35	0.70	0.80		0.030		0.025		
	SWRH 62A	0.62	0.65	0.15	0.35	0.35	0.55		0.025		0.025		
	SWRH 62B	0.62	0.65	0.15	0.35	0.70	0.80		0.025		0.025		
	SWRH 67A	0.65	0.69	0.15	0.35	0.35	0.55		0.025		0.025		
	SWRH 67B	0.65	0.69	0.15	0.35	0.70	0.90		0.025		0.025		
	SWRH 72A	0.70	0.76	0.15	0.35	0.30	0.60		0.025		0.025		
	SWRH 72B	0.71	0.75	0.15	0.35	0.60	0.90		0.025		0.025		
	SWRH 77A	0.75	0.80	0.15	0.35	0.60	0.90		0.025		0.025		
	SWRH 77B	0.75	0.80	0.15	0.35	0.60	0.90		0.025		0.025		

MECHANICAL PROPERTIES

Tensile Strength, N/mm2		Elongation, %		Reduction Area, %	
min	max	min	max	min	max
		450~530	28~30	70~75	
		580	25	70	
		590~890	15~24	45~70	
		900~950	11~15	35~45	
		950~1150	10~11	30~35	



- Chemical composition and mechanical properties can be adjusted as per customer requirements
- Other elements can be added to achieve required mechanical and metallurgical properties



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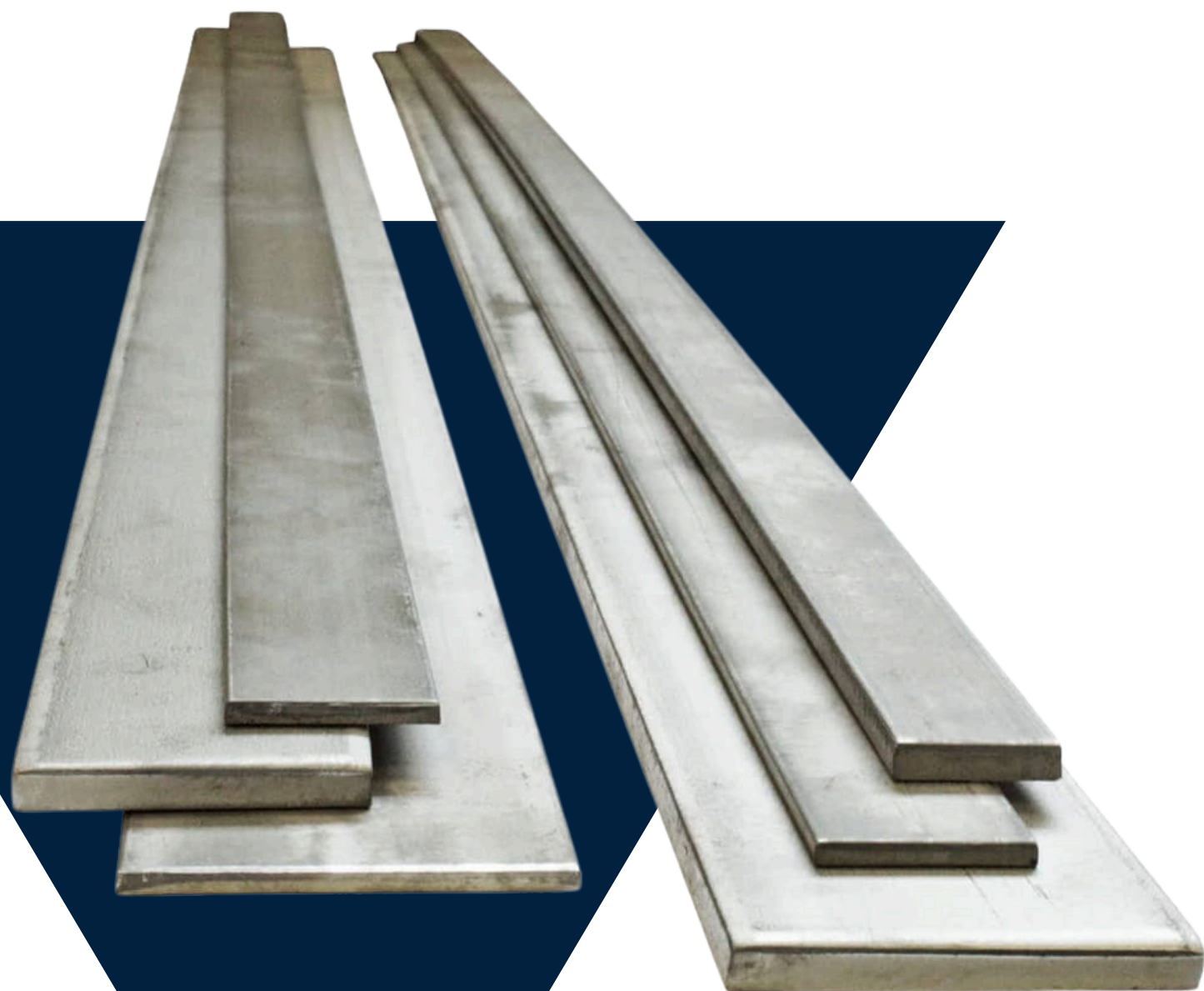


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MILD STEEL FLAT BAR



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MS FLAT BAR LIST

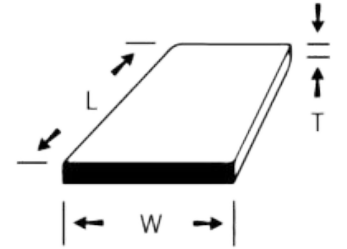
Metric Size (mm)	kg/ m
20 x 3	0.471
20 x 5	0.785
20 x 6	0.94
20 x 10	1.57
25 x 3	0.589
25 x 5	0.981
25 x 6	1.18
25 x 8	1.57
25 x 10	1.96
25 x 12	2.355
30 x 3	0.707
30 x 5	1.18
30 x 6	1.41
30 x 8	1.884
30 x 10	2.355
30 x 12	2.826
30 x 20	4.71
35 x 6	1.65
35 x 10	2.75
35 x 12	3.3
35 x 20	5.5
40 x 3	0.942
40 x 5	1.57
40 x 6	1.884
40 x 8	2.512
40 x 10	3.14
40 x 12	3.768
50 x 3	1.18

Metric Size (mm)	kg/ m
50 x 5	1.96
50 x 6	2.36
50 x 8	3.14
50 x 10	3.93
50 x 12	4.71
50 x 15	5.89
50 x 20	7.85
50 x 25	9.81
60 x 8	3.77
60 x 10	4.71
60 x 12	5.65
60 x 15	7.07
65 x 5	2.55
65 x 6	3.06
65 x 8	4.05
65 x 10	5.1
65 x 12	6.12
65 x 15	7.65
65 x 20	10.2
70 x 8	4.4
70 x 10	5.5
70 x 12	6.59
75 x 6	3.54
75 x 8	4.71
75 x 10	5.9
75 x 12	7.07
75 x 15	8.84
75 x 20	11.78
80 x 6	3.77

Metric Size (mm)	kg/ m
80 x 8	5.02
80 x 10	6.28
80 x 12	7.54
80 x 15	9.42
90 x 6	4.24
90 x 10	7.07
90 x 12	8.48
90 x 15	10.60
100 x 5	3.93
100 x 6	4.71
100 x 8	6.28
100 x 10	7.85
100 x 12	9.42
100 x 15	11.8
100 x 20	15.7
100 x 25	19.6
120 x 6	5.65
120 x 10	9.42
120 x 12	11.3
120 x 15	14.1
120 x 20	18.8
120 x 25	23.6
130 x 6	6.1
130 x 8	8.16
130 x 10	10.2
130 x 12	12.20
130 x 15	15.30
130 x 20	20.40
130 x 25	25.50

Metric Size (mm)	kg/ m
150 x 6	7.06
150 x 8	9.42
150 x 10	11.8
150 x 12	14.1
150 x 15	17.7
150 x 20	23.6
150 x 25	29.4
200 x 6	9.9
200 x 10	15.7
200 x 12	18.8
200 x 15	23.6
200 x 20	31.4
200 x 25	39.2
200 x 30	47.2
250 x 10	19.6
250 x 12	23.6
250 x 15	29.4
250 x 20	39.2
250 x 25	49.10
300 x 10	23.55
300 x 12	28.30
300 x 15	35.30
300 x 20	47.10
300 x 24	58.80

Grades available:
SS400 / S275JR / ASTM A36

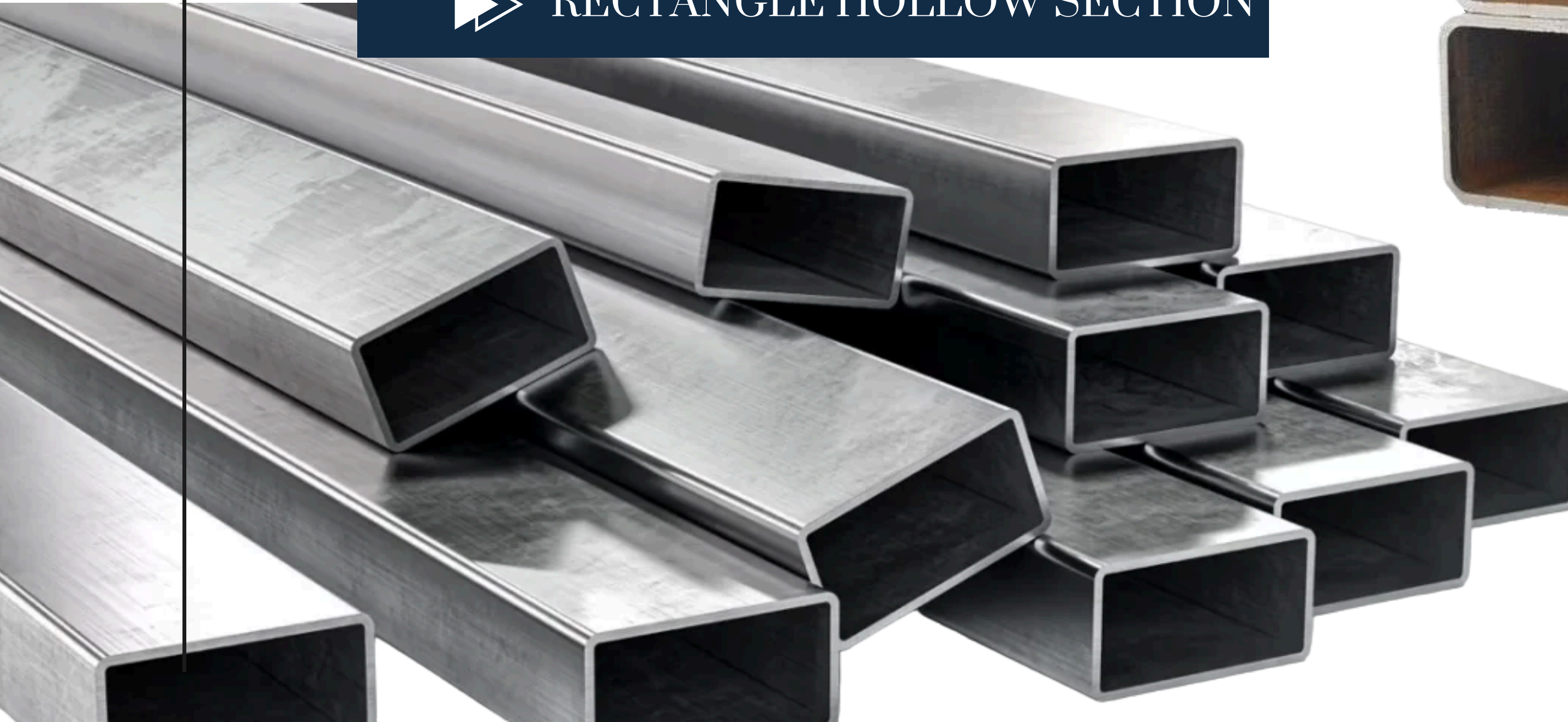


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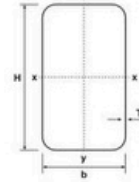


▶ SQUARE HOLLOW SECTION
▶ RECTANGLE HOLLOW SECTION



SHS,RHS LIST

RECTANGULAR HOLLOW SECTIONS

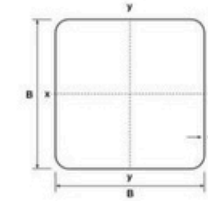


Size mm H x b	Thickness mm t	Mass kg/ m
60 x 40	2.5	3.68
	3	4.35
	3.2	4.62
	4	5.64
80 x 40	3	5.29
	3.2	5.62
	4	6.9
	4.9	8.28
	5	8.42
100 x 50	6	9.87
	3	6.71
	3.2	7.13
	3.6	7.96
	4	8.78
	4.9	10.6
120 x 60	5	10.8
	6	12.7
	6.3	13.3
	3.6	9.7
	4	10.7
	4.9	12.9
120 x 80	5	13.1
	5.6	14.6
	6	15.5
	6.3	16.2
	3.6	10.8
	4	11.9
125 X 75	4.9	14.4
	5	14.7
	5.6	16.3
	6	17.4
	6.3	18.2
	3.5	10.68
150 x 100	4.0	11.70
	4.5	13.09
	5.0	15.50
	6.0	17.00
	4	15.1
	4.9	18.3
	5	18.6

Size mm H x b	Thickness mm t	Mass kg/ m
160 x 80	5.6	20.7
	6	22.1
	6.3	23.1
	7.1	25.9
	8	28.9
200 x 100	10	35.3
	5	17.8
	5.6	19.9
	6	21.2
	6.3	22.2
200 x 150	7.1	24.7
	8	27.6
	4.0	18.02
	6	26.8
	8	35.1
250 x 150	9	38.20
	10	43.1
	12	50.8
	6	31.5
	8	41.4
300 X 150	10	51
	12	60.2
	6	36.2
	8	47.7
	10	58.8
300 x 200	12	69.6
	10.0	65.49
	6	45.7
	8	60.30
	10	74.50
400 x 200	12	88.50
	16	115
	8	72.8
	10	90.2
	12	107
	16	141

Grades Available:
ASTM A500 Grade A / S355J2H

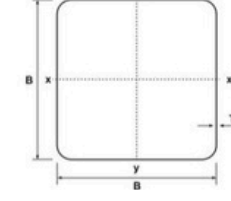
SQUARE HOLLOW SECTIONS



Size mm B x B	Thickness mm T	Mass kg/ m
40 x 40	2.5	2.89
	3	3.41
	3.2	3.61
	4	4.39
	4.9	5.2
	5	5.28
50 x 50	2.0	2.94
	2.5	3.68
	3	4.35
	3.2	4.62
	4	5.64
	4.9	6.74
	5	6.85
60 x 60	6	7.99
	6.3	8.31
	3	5.29
	3.2	5.62
	4	6.9
	4.9	8.28
	5	8.42
75 x 75	6	9.87
	2.0	4.51
	2.5	5.57
	2.8	6.19
	3.0	6.61
	4.0	8.60
	5.0	10.49
80 x 80	6.0	12.34
	3.2	7.63
	3.6	8.53
	4	9.41
	4.9	11.4

Size mm B x B	Thickness mm T	Mass kg/ m
90 x 90	5	11.6
	5.6	12.8
	6	13.6
	6.3	14.2
	7.1	15.8
	8	17.5
	3.6	9.66
100 x 100	4	10.7
	4.9	12.9
	5	13.1
	5.6	14.6
	6	15.5
	3.0	8.96
	3.6	10.8
120 x 120	4	11.9
	4.9	14.4
	5	14.7
	5.6	16.3
	6	17.4
	6.3	18.2
	7.1	20.3
	8	22.6
	10	27.4
	4	14.4
	4.9	17.5
	5	17.8
	5.6	19.9
	6	21.2
	8	27.6

SQUARE HOLLOW SECTIONS



Size mm B x B	Thickness mm T	Mass kg/ m
150 x 150	5	22.6
	6	26.8
	8	35.1
	10	43.1
	12	50.8
200 x 200	5	30.4
	6	36.2
	8	47.7
	10	58.8
	12	69.6

Size mm B x B	Thickness mm T	Mass kg/ m
250 x 250	6	45.7
	8	60.3
	10	74.5
	12	88.5
300 x 300	8.0	72.07
	10.0	88.34
	12.0	105.61
	16.0	137.54

Grades Available:
ASTM A500 Grade A / S355J2H

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STEEL BILLET

▶▶ INDUCTION FURNACE

▶▶ ELECTRIC ARC FURNACE



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STEEL BILLET LIST

Specifications and Grades

Sr. No	Standard	Application
1	ASTM A 615/A615 M:2020	Structural, Concrete Reinforcement and General use
2	BS 4449:2005+A3:2016	Structural, Concrete Reinforcement and General use
3	KWS GSO ISO 6935 -2/2019	Structural, Concrete Reinforcement and General use

Size Range

Cross Section	Weight/Meter	Length
100mm x 100mm	78 Kg/ Meter	3 - 6 Meter (- 0 / + 100)
125mm x 125mm	122 Kg / Meter	3 - 6 Meter (- 0 / + 100)
130mm x 130mm	132 Kg / Meter	3 - 6 Meter (- 0 / + 100)

Chemical Composition % (Max)

Billet Size (mm)	C	Si	Mn	P	S
100 x 100	0.40	0.45	1.50	0.05	0.05
125 x 125	0.40	0.45	1.50	0.05	0.05
130 x 130	0.40	0.45	1.50	0.05	0.05

Carbon Equivalent (CE): $CE = C + Mn/6 + (Cr + Mo + V)/5 + (Cu + Ni)/15$

Other Chemical Composition are Possible. Please Contact Sales & Marketing.

Physical Parameters

1	Side Dimension tolerance	± 3 %
2	Rhomboidity	8 % Max
3	Diagonal Difference	≤ 12mm
4	Corner Radius	4 mm Max
5	Camber (Bend)	≤ 5mm/m to 50mm Max
6	Angular Twist	≤ 1° / m to 6° Max
7	Cutting Length	0 / + 100 mm
8	Cutting	Both Ends will be flame Cut
9	Identification:	Heat Number to be punched / handwritten at the cut face of each billet.
10	Surface & Internal Quality:	The Billet Should be free from Harmful Surface Defect like Slag Patches, Longitudinal Cracks, Transverse Cracks, Corner, Joint Billet, Cracks, Scum, Scab, Pinholes, Blow hole, Pipes, Internal Cracks & Deep Oscillation marks. Billet Should be Free from Injurious internal defects that may adversely final products.



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▶ CIRCULAR HOLLOW SECTION AT BNYAM GROUP



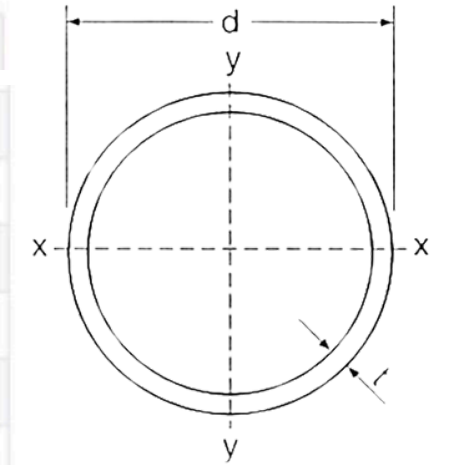
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Circular Hollow Section (CHS) Nominal Bore Diameter (mm)	Weight (KG/Meter)	Thickness (mm)
25	1.99	2.6
25	2.41	3.2
32	2.55	2.6
32	3.09	3.2
40	3.25	2.9
40	3.56	3.2
50	4.11	2.9
50	5.04	3.6
65	5.76	3.2
65	6.44	3.6
80	6.77	3.2
80	8.38	4.0
100	9.83	3.6
100	25.73	10.0
115	9.77	3.2
115	10.96	3.6
125	15.01	4.5
125	15.98	4.8
150	15.01	4.5

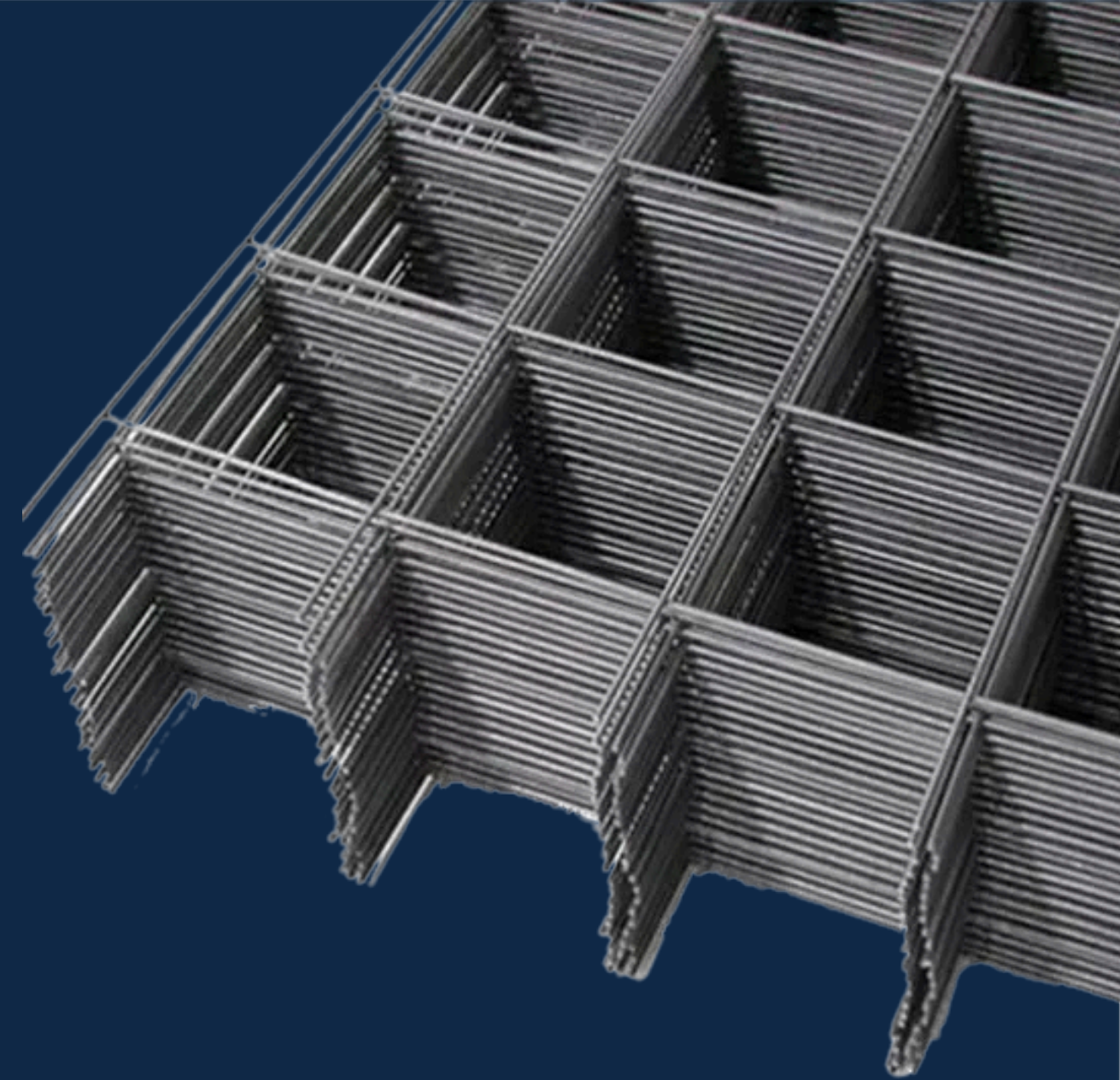
Circular Hollow Section (CHS) Nominal Bore Diameter (mm)	Weight (KG/Meter)	Thickness (mm)
150	18.98	4.8
150	46.27	12.0
175	22.80	4.8
175	37.36	8.0
200	25.38	4.8
200	28.47	5.4
250	39.54	6.0
250	77.30	12.0
300	49.36	6.3
300	92.34	12.0
350	41.54	4.8
350	46.66	5.4
400	47.56	4.8
400	53.42	5.4
450	60.19	5.4
450	66.79	6.0
500	74.31	6.0
500	98.69	8.0
550	161.88	12.0
550	214.27	16.0
600	89.35	6.0



BRC MESH

► COMMERCIAL

► STANDARD



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COMMERCIAL SIZE

A 098-5 MM

A142-6MM

A 193-7 MM

A 252-8 MM

A393-10MM

STANDARD SIZE

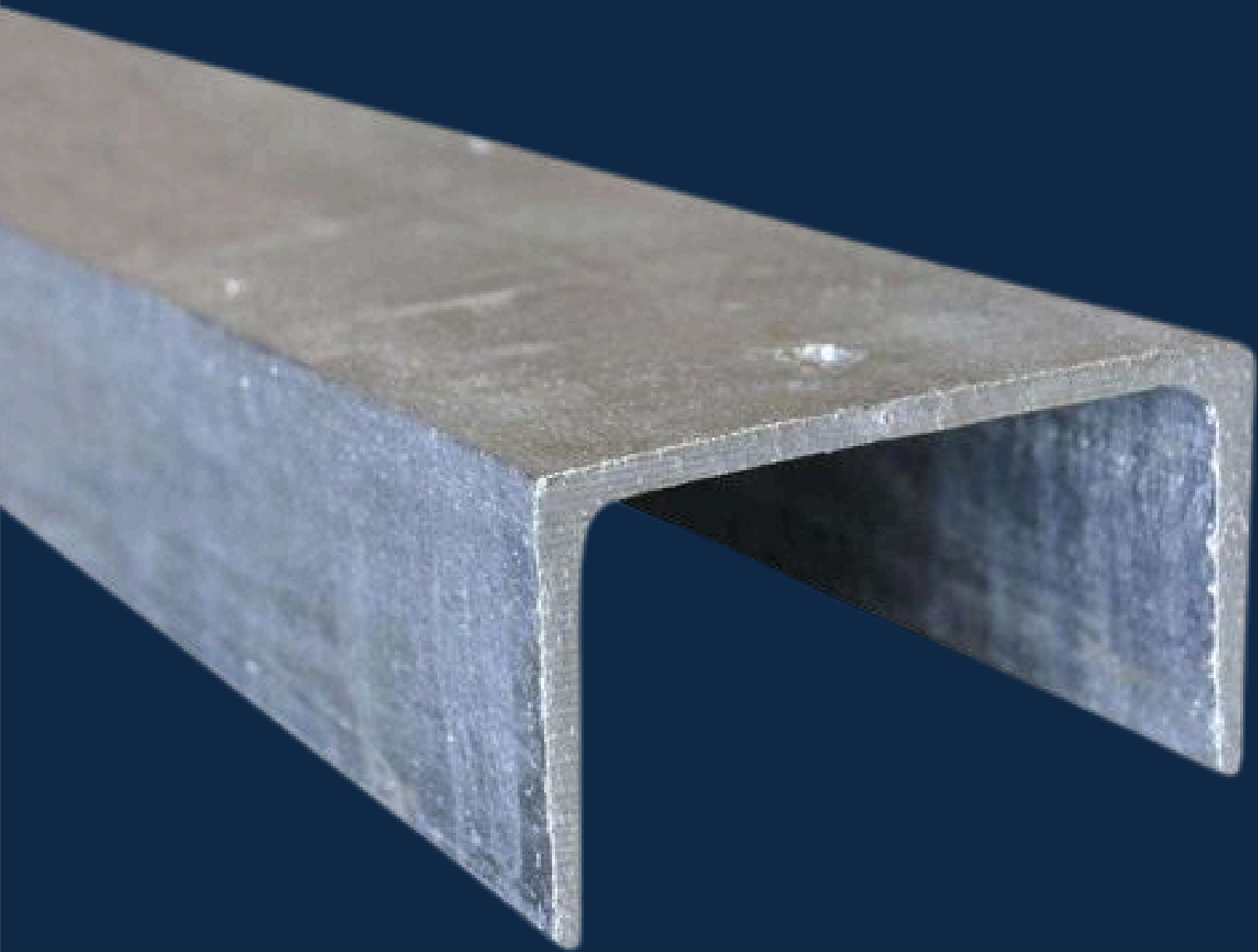
A 098-5 MM

A142-6MM

A193-7MM

A252-8MM

A393-10MM



UPN CHANNELS



UPE CHANNELS



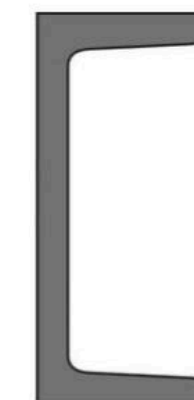
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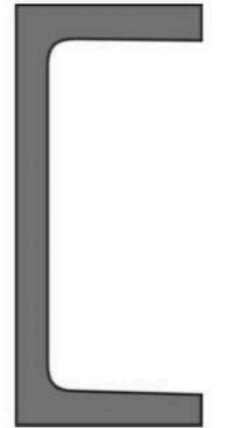
UPN CHANNELS LIST

Designation		Dimensions							Dimensions for detailing				Surface	
	G	h	b	t _w	t _f	r ₁	r ₂	A	d	Ø	e _{min}	e _{max}	A _L	A _G
	Kg/m	mm	mm	mm	mm	mm	mm	mm ² X10 ²	mm		mm	mm	m ² /m	m ² /t
UPN 50*	5,59	50	38	5,0	7,0	7,0	3,5	7,12	21	-	-	-	0,232	42,22
UPN 65*	7,09	65	42	5,5	7,5	7,5	4,0	9,03	34	-	-	-	0,273	39,57
UPN 80*	8,64	80	45	6,0	8,0	8,0	4,0	11,0	47	-	-	-	0,312	37,10
UPN 100*	10,6	100	50	6,0	8,5	8,5	4,5	13,5	64	-	-	-	0,372	35,10
UPN 120	13,4	120	55	7,0	9,0	9,0	4,5	17,0	82	-	-	-	0,434	32,52
UPN 140	16,0	140	60	7,0	10,0	10,0	5,0	20,4	98	M12	33	37	0,489	30,54
UPN 160	18,8	160	65	7,5	10,5	10,5	5,5	24,0	115	M12	34	42	0,546	29,98
UPN 180	22,0	180	70	8,0	11,0	11,0	5,5	28,0	133	M16	38	41	0,611	27,80
UPN 200	25,3	200	75	8,5	11,5	11,5	6,0	32,2	151	M16	39	46	0,661	26,15
UPN 220	29,4	220	80	9,0	12,5	12,5	6,5	37,4	167	M16	40	51	0,718	24,46
UPN 240	33,2	240	85	9,5	13,0	13,0	6,5	42,3	184	M20	46	50	0,775	23,34
UPN 260	37,9	260	90	10,0	14,0	14,0	7,0	48,3	200	M22	50	52	0,834	22,00
UPN 280	41,8	280	95	10,0	15,0	15,0	7,5	53,3	216	M22	52	57	0,890	21,27
UPN 300	46,2	300	100	10,0	16,0	16,0	8,0	58,8	232	M24	55	59	0,950	20,58
UPN 320*	59,5	320	100	14,0	17,5	17,5	8,8	75,8	246	M22	58	62	0,982	16,50
UPN 350	60,6	350	100	14,0	16,0	16,0	8,0	77,3	282	M22	56	62	1,05	17,25
UPN 380*	63,1	380	102	13,5	16,0	16,0	8,0	80,4	313	M24	59	60	1,11	17,59
UPN 400*	71,8	400	110	14,0	18,0	18,0	9,0	9,15	324	M27	61	62	1,18	16,45

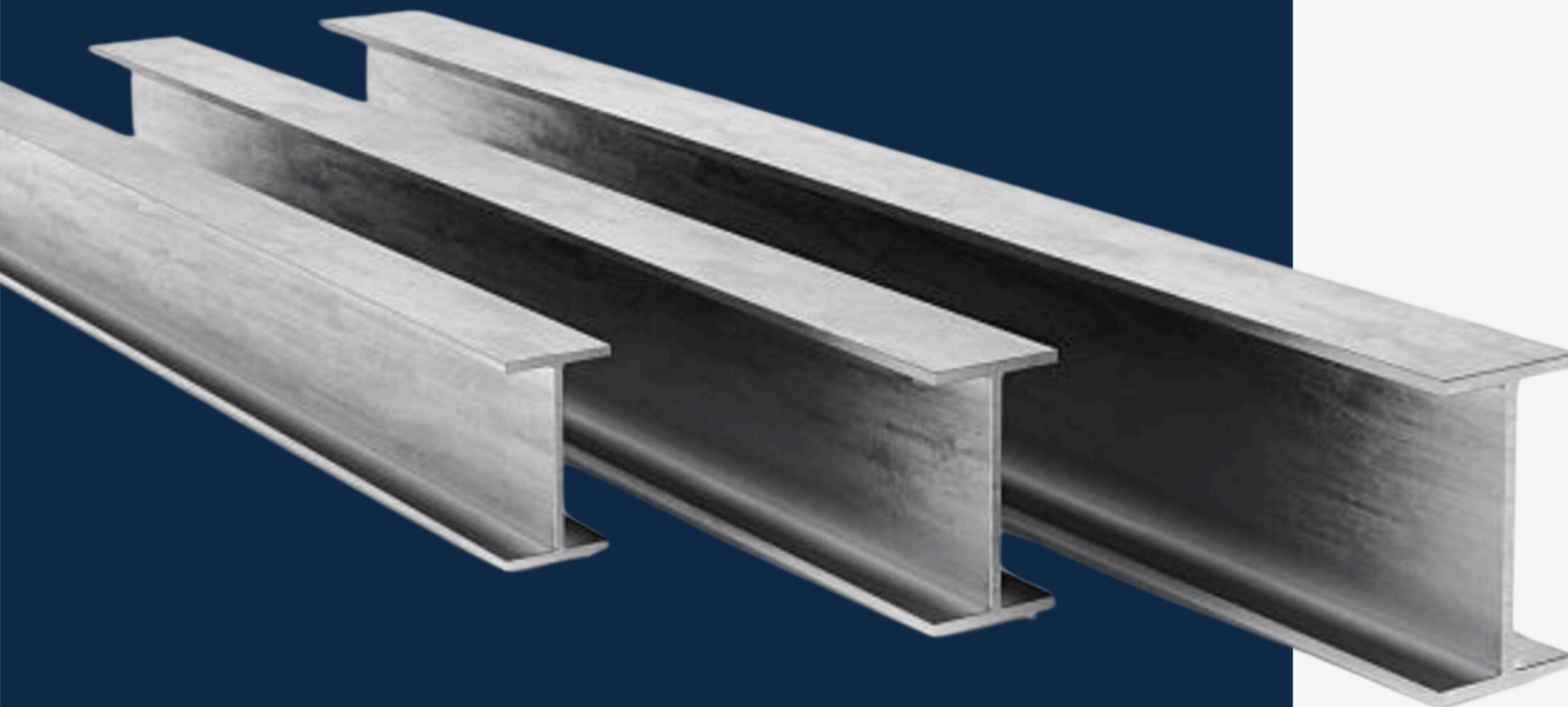


UPE CHANNELS LIST

Designation		Dimensions							Dimensions for detailing				Surface	
G		h	b	t _w	t _f	r ₁	r ₂	A	d	Ø	e _{min}	e _{max}	A _L	A _G
Kg/m		mm	mm	mm	mm	mm	mm	mm ² X10 ²	mm		mm	mm	m ² /m	m ² /t
UPE 80*	7,90	80	50	4,0	7,0	10	10,1	66	46	-	-	-	0,343	43,45
UPE 100*	9,82	100	55	4,5	7,5	10	12,5	85	65	M12	35	36	0,420	41,00
UPE 120*	12,1	120	60	5,0	8,0	12	15,4	104	80	M12	35	41	0,460	37,98
UPE 140*	14,5	140	65	5,0	9,0	12	18,4	122	98	M16	35	38	0,520	35,95
UPE 160*	17,0	160	70	5,5	9,5	12	21,7	141	117	M16	36	43	0,579	34,01
UPE 180*	19,7	180	75	5,5	10,5	12	25,1	159	135	M16	36	48	0,639	32,40
UPE 200*	22,8	200	80	6,0	11,0	13	29,0	178	152	M20	46	47	0,697	30,60
UPE 220*	26,6	220	85	6,5	12,0	13	33,9	196	170	M22	47	49	0,756	28,43
UPE 240*	30,2	240	90	7,0	12,5	15	38,5	215	185	M24	47	51	0,813	26,89
UPE 270*	35,2	270	95	7,5	13,5	15	44,8	243	213	M27	48	50	0,892	25,34
UPE 300*	44,4	300	100	9,5	15,0	15	56,6	270	240	M27	50	55	0,968	21,78
UPE 330*	53,2	330	105	11,0	16,0	18	67,8	298	262	M27	54	60	1,043	19,60
UPE 360*	61,2	360	110	12,0	17,0	18	77,9	326	290	M27	55	65	1,121	18,32
UPE 400*	72,2	400	115	13,5	18,0	18	91,9	364	328	M27	57	70	1,218	16,87



HEA BEAM



IPE BEAM



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IPE

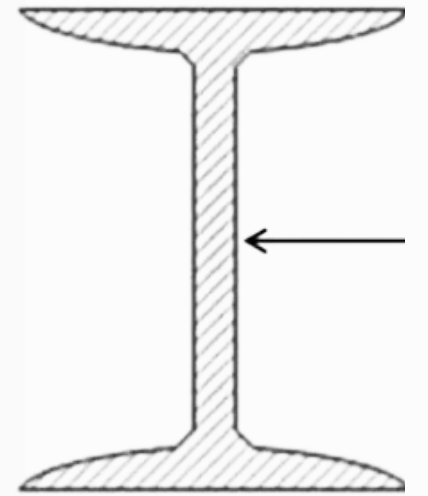
IPE Beam Light

h	b	t1	t2	Weight (kg/m)
IPE 120	63	4	5.4	9.1
IPE 140	72	4.1	6.2	11.4
IPE 160	81	4.7	6.6	14.4
IPE 180	90	5.3	7.2	17.6
IPE 200	99	5.7	7.3	20.6

Nr.	h	b	t1	t2	Weight (kg/m)
IPE AAAA 140	134	73	3.3	4.1	8.1
IPE AAA 140	136	73	3.5	5.0	9.4
IPE AA 140	136.6	73	3.8	5.2	10.1

IPE BEAM

Nr.	Weight (Kg/m)	b	h	t1	t2
IPE 120	10,4	64	120	4,4	6,3
IPE 140	12,9	73	140	4,7	6,9
IPE 160	15,8	82	160	5,0	7,4
IPE 180	18,8	91	180	5,3	8,0
IPE 200	22,4	100	200	5,6	8,5
IPE 220	26,2	110	220	5,9	9,2
IPE 240	30,7	120	240	6,2	9,8
IPE 270	36,1	135	270	6,6	10,2
IPE 300	42,2	150	300	7,1	10,7



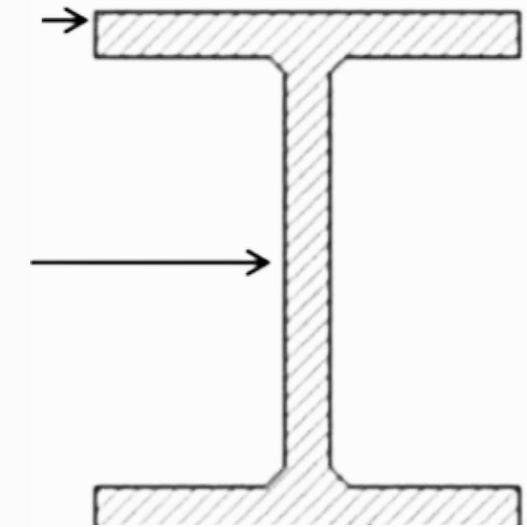
IPE

b	h	a	e	r	Weight (kg/m)
HEA 100	96	5,0	8,0	12	16,7
HEA 120	114	5,0	8,0	12	19,9
HEA 140	133	5,5	8,5	12	24,7
HEA 160	152	6,0	9,0	15	30,4
HEA 180	171	6,0	9,5	15	35,5
HEA 200	190	6,5	10,0	18	42,3
HEA 220	210	7,0	11,0	18	50,5
HEA 240	230	7,5	12,0	21	60,3
HEA 260	250	7,5	12,5	24	68,2
HEA 280	270	8,0	13,0	24	76,4
HEA 300	540	12,5	24,0	27	166,0

b	h	a	e	r	Weight (kg/m)
HEB 100	100	6,0	10,0	12	20,4
HEB 120	120	6,5	11,0	12	26,7
HEB 140	140	7,0	12,0	12	33,7
HEB 160	160	8,0	13,0	15	42,6
HEB 180	180	8,5	14,0	15	51,2
HEB 200	200	9,0	15,0	18	61,3
HEB 220	220	9,5	16,0	18	71,5
HEB 240	240	10,0	17,0	21	83,2
HEB 260	260	10,0	17,5	24	93,0
HEB 280	280	10,5	18,0	24	103,0
HEB 300	300	11,0	19,0	27	117,0

Parallel Flange Sections (PFS): NPB WPB

Available Grades: EN 10025-2 S275JR S355JR , IS 2062 , IS 808





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