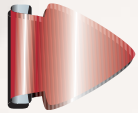
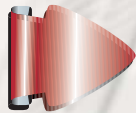


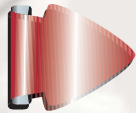
Core Values:



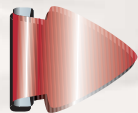
Integrity



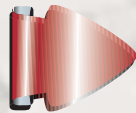
Reliability



Customer Service and Satisfaction



Adherence to Deadlines and Deliverables



Quality of Services

BGC Metal Co. is located in Istanbul / Turkey, we are specialised on flat&long steel and construction products like Gypsum (POP), Portland cement.

Vision:

BGC Metal Co. corporate vision is to become a competitive, qualified and competent company by having well managed resources and networks both in domestic and overseas. So that we can ensure attentive, effective and proactive customer service and attention to customers. This will bring us sustaining our reputation as a reliable, customer-oriented, dynamic player in the market.

Mission:

BGC Metal Co. mission is to serve our customers completely and competitively to create value for all stakeholders through combination of our experience and skills. We will be always searching for better solutions for our customer needs to create a long-term relationships by being responsive and relevant by consistently delivering value.



A) Reinforcing Deformed Bars

Grades							
ASTM A 615 GR40	DIN 488 BST 500 S	BS 4449:05 B500B	FeE500-400 / FEB 44K				
ASTM A 615 GR60	ELOT 971 S500 S	SD 35-SD 50	JS 4466 PART 3 S-400				
TS 708 III-A	BS 4449:97 GR460B	CAN/CSA-G30. 18-M92	JD 33 GRADE 300/400				
ASTM A615 Metric BS 4449				ASTM A615 (inch)			
Diameter d (mm)	Weight (kg/m)	Diameter d (mm)	Weight (kg/m)	Diameter d (inch)	Weight (kg/m)	Diameter d (inch)	Weight (kg/m)
8	0.40	22	2.98	1/4	0.25	1 1/4	6.21
10	0.62	25	3.85	3/8	0.56	1 1/2	8.95
12	0.89	30	5.55	1/2	0.99	1 3/4	12.18
14	1.21	32	6.31	5/8	1.55	2	15.91
16	1.58	36	7.99	3/4	2.24		
18	2.00	40	9.86	7/8	3.04		
20	2.47	50	15.41	1	3.97		



B) Round Bars

STEEL				STAINLESS STEEL			
Grades				Grades			
DIN 17100	S235JR	S355JR	ST52-3	AISI 303		AISI 304L	
ASTM A36	S275JR	SS400	ST50-2	AISI 430F		316L	
Diameter d (mm)	Weight (kg/m)	Diameter d (mm)	Weight (kg/m)	Diameter d (mm)	Weight (kg/m)	Diameter d (mm)	Weight (kg/m)
5	0.15	18	2.00	5	0.15	15	1.39
6	0.22	20	2.47	6	0.22	20	2.47
7	0.30	22	2.98	7	0.30	21	2.72
8	0.39	25	3.85	8	0.40	22	2.98
10	0.62	28	4.83	9	0.50	23	3.26
12	0.89	30	5.55	10	0.62	25	3.85
14	1.21	35	7.55	12	0.89	28	4.85
16	1.58	40	9.86	14	1.21	35	7.55

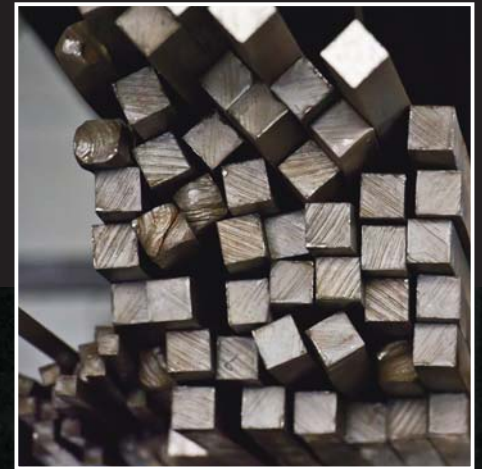


C) Wire Rods

Grades				
SAE 1006	SAE 1008	SAE 1010	RSt 37-2	Q215
Diameter d (mm)	Deviation (mm)	Cross Section (cm ²)	Weight (kg/m)	Roundness (mm)
5.5	±0.3	0.238	0.19	0.48
6.0		0.283	0.22	
6.5		0.332	0.33	
7.0	±0.4	0.385	0.39	0.64
8.0		0.503	0.50	
9.0		0.636	0.64	
10.0		0.785	0.79	
11.0		0.950	0.95	
12.0		1.130	1.13	
14.0		1.540	1.54	
16.0	±0.5	2.010	2.01	0.80

D) Square Bars

Grades						
DIN 17100	S235JR	S355JR	ST52-3	ST60-2	SAE 1008	SAE 1015
ASTM A36	S275JR	SS400	ST50-2	ST70-2	SAE 1010	SAE 1020
SAE 1025	SAE 1030	SAE 1035	SAE 1040	SAE 1045	SAE 1050	SAE 1060
Size (mm)	Deviation (mm)	Weight (kg/m)	Size (mm)	Deviation (mm)	Weight (kg/m)	
8	±0.4	0.50	30	±0.6	7.07	
10	±0.4	0.79	35	±0.6	9.62	
12	±0.4	1.13	40	±0.8	12.56	
14	±0.4	1.54	50	±0.8	19.63	
16	±0.5	2.01	60	±0.8	28.26	
18	±0.5	2.54	70	±0.8	38.47	
20	±0.5	3.14	80	±1.0	50.24	
22	±0.5	3.80	90	±1.0	63.59	
25	±0.5	4.91	100	±1.0	78.50	



E) Angle Bars

Grades											
ASTM A529 GR60		ASTM A36		Fe 360B		S235JR		S275JR		S355JR	
Size (mm)	Thickness (mm)	Weight (kg/m)	Size (mm)	Thickness (mm)	Weight (kg/m)	Size (mm)	Thickness (mm)	Weight (kg/m)			
20X20	3.0	0.90	50X50	3.0	2.30	70X70	6.0	7.70			
	4.0	1.10		4.0	3.00		8.0	9.40			
30X30	3.0	1.40		5.0	3.80		80X80	10.0	10.20		
	4.0	1.80		6.0	4.50	6.0		7.30			
40X40	5.0	2.20	60X60	5.0	4.50	90X90	8.0	9.60			
	3.0	1.80		6.0	5.40		10.0	11.80			
	4.0	2.40		8.0	7.00		12.0	14.00			
	5.0	3.00	10.0	8.60	6.0	8.20					
	6.0	3.50	70X70	5.0	4.90		8.0	10.10			



F) IPN - UPN Profiles

IPN						UPN											
Grades						Grades											
S235JR			S275JR			S355JR			S235JR			S275JR			S355JR		
h (mm)	b (mm)	Weight (kg/m)	h (mm)	b (mm)	Weight (kg/m)	Dimension (mm)	t (mm)	Weight (kg/m)	Dimension (mm)	t (mm)	Weight (kg/m)	Dimension (mm)	t (mm)	Weight (kg/m)			
80	42	5.94	260	113	41.90	30x15	4.00	1.74	160x65	7.50	18.80						
100	50	8.34	280	119	47.90	40x20	5.00	2.87	180x70	8.00	22.00						
120	58	11.10	300	125	54.20	50x25	5.00	3.86	200x75	8.50	25.30						
140	66	14.30	320	131	61.00	50x38	5.00	5.59	220x80	9.00	29.40						
160	74	17.90	340	137	68.00	65x42	5.50	7.09	240x85	9.50	33.20						
180	82	21.90	360	143	76.10	80x45	6.00	8.64	260x90	10.00	27.90						
200	90	26.20	380	149	84.00	100x50	6.00	10.60	280x95	10.00	41.80						
220	98	31.10	400	155	92.40	120x55	7.00	13.40	300x100	10.00	46.20						
240	106	36.20	450	170	115.00	140x60	7.00	16.00	320x100	14.00	59.50						





G) Hollow Section

Square hollow sections						Rectangular hollow sections					
Grades						Grades					
S235JR		S275JR		S355JR		S235JR		S275JR		S355JR	
a X a	t (mm)	Weight (kg/m)	a X a	t (mm)	Weight (kg/m)	a X b	t (mm)	Weight (kg/m)	a X b	t (mm)	Weight (kg/m)
20X20	1.5-2.5	0.8-1.2	110X110	1.5-2.5	0.8-1.2	30X10	1.5-2.0	0.8-1.0	80X60	2.0-6.0	4.2-11.5
25X25	1.5-3.0	1.1-1.9	120X120	4.0-10.0	14.2-31.8	30X20	1.5-2.5	1.1-1.6	90X50	2.0-6.0	4.2-11.5
30X30	1.5-3.0	1.3-2.4	140X140	4.0-10.0	16.8-31.8	40X20	1.5-3.0	1.3-2.4	100X40	2.0-6.0	4.2-9.7
40X40	1.4-4.0	1.8-4.2	150X150	4.0-10.0	18.0-41.3	50X20	1.5-3.0	1.5-2.8	100X50	2.0-6.0	4.5-12.5
50X50	1.5-6.0	2.2-7.6	160X160	5.0-10.0	23.8,44.4	50X30	1.5-3.0	1.8-3.3	100X80	2.0-8.0	5.4-15.5
60X60	4.0-9.0	3.6-9.6	180X180	5.0-10.0	27.0-50.7	50X40	1.5-4.0	2.0-4.8	120X50	2.0-6.0	5.1-14.5
70X70	2.0-6.0	4.2-11.5	200X200	5.0-10.0	30.1-66.0	60X30	1.5-4.0	2.0-4.8	120X60	2.0-6.0	5.4-15.5
80X80	2.0-8.0	4.8-16.4	220X220	6.0-12.0	39.6-73.5	60X40	1.5-5.0	2.2-6.6	120X80	2.0-8.0	7.5-21.4
90X90	2.5-8.0	6.7-18.9	250X250	6.0-12.0	45.2-84.8	75X50	1.5-6.0	2.8-10.0	140X80	2.0-8.0	9.9-23.9
100X100	2.5-10.0	7.5-25.6	260X260	6.0-12.0	47.1-88.6	80X40	1.5-5.0	2.7-8.1	160X80	2.0-8.0	10.8-26.4



H) Pipes

Water and gas line pipes				Galvanized steel pipes				Stainless steel pipes			
Grades				Grades				Grades			
DIN 2440	DIN 2441	BS 1387	ASTM A53	DX51-DX54		DC01-DC03		304	316	409	439
d (inch)	d (mm)	t (mm)	Weight (kg/m)	d (inch)	d (mm)	t (mm)	Weight (kg/m)	d (inch)	t (mm)	Weight (kg/m)	
1/2	21.3	3.2	1.44	1	25.40	0.8-2.5	0.48-1.41	31.80	0.6-3.0	0.468-2.159	
3/4	26.9	3.2	1.87	1 1/4	31.75	0.8-3.0	0.61-2.13	35.00	0.8-3.0	0.685-2.403	
1	33.7	4.0	2.93	1 3/8	34.92	0.9-3.0	0.75-2.36	38.00	0.8-3.0	0.745-2.628	
1 1/4	42.4	4.0	3.79	1 1/2	38.10	0.9-3.0	0.82-2.60	42.00	0.8-3.0	0.825-2.929	
1 1/2	48.3	4.0	4.37	1 5/8	41.28	0.9-3.0	0.89-2.82	45.00	0.8-3.0	0.885-3.154	
2	60.3	4.5	6.19	1 3/4	44.45	0.9-3.0	0.96-3.07	48.00	0.8-3.0	0.945-3.379	
2 1/2	76.1	3.5	7.93	1 7/8	47.62	1.0-3.0	1.50-3.30	54.00	0.8-3.0	1.065-3.830	
3	88.9	5.0	10.30	2	50.80	1.0-3.0	1.23-3.54	60.00	1.0-5.0	1.477-6.884	
4	114.3	5.4	14.50	2 1/4	57.15	1.0-3.0	1.66-4.01	70.00	1.2-5.0	2.067-8.135	
5	139.7	5.4	17.90	2 3/8	60.32	1.2-3.0	1.75-4.24	76.00	1.2-5.0	2.247-8.886	
6	165.1	5.4	21.30	2 1/2	63.50	1.2-3.0	1.84-4.84	84.00	1.5-5.0	3.098-9.887	

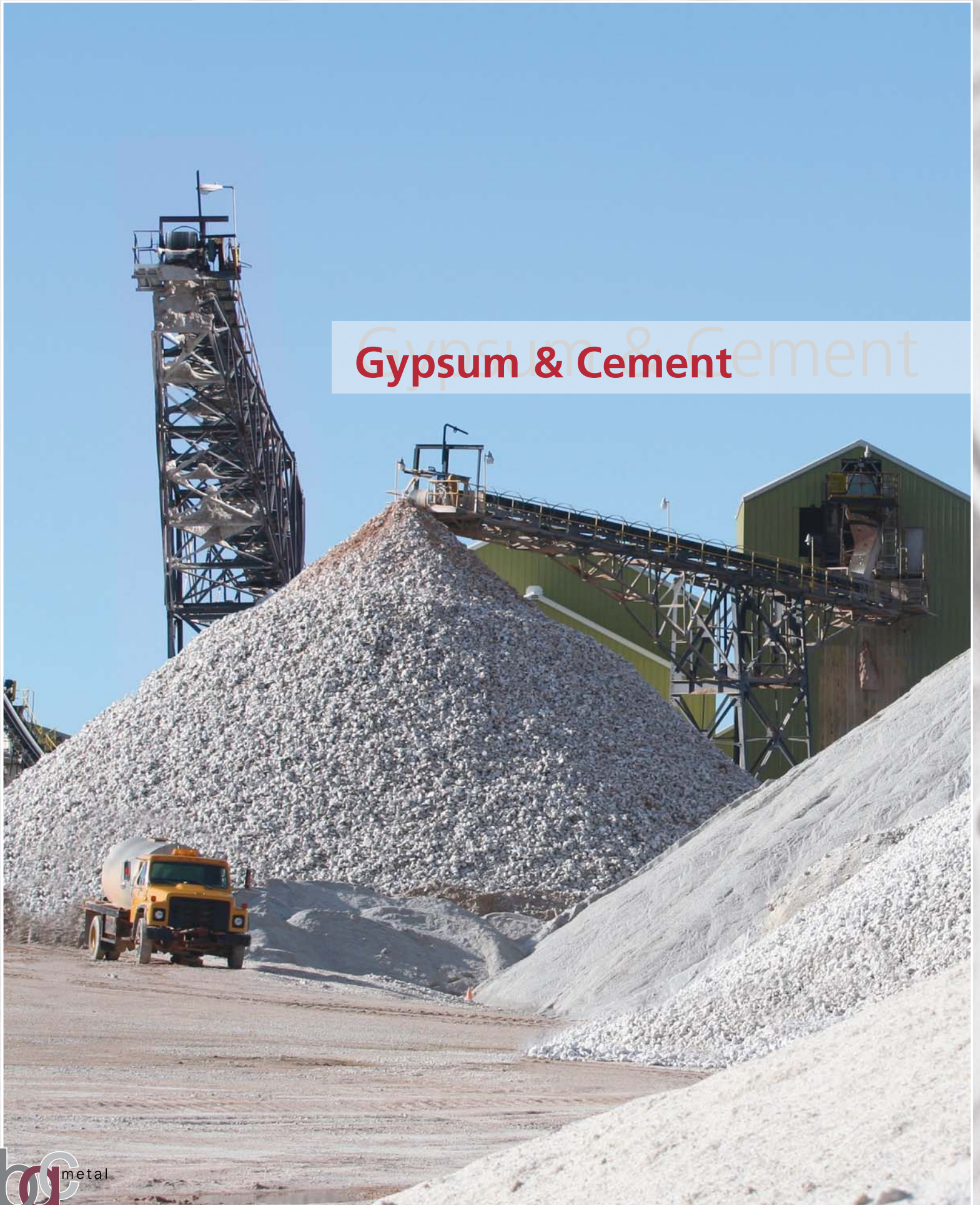


I) Steel Coils & Sheets

Hot Rolled Coils&Sheets		
Standard: DIN, ASTM, JIS	Thickness range: 1,0-200 mm	Width: 500-5000 mm
Cold Rolled Coils&Sheets		
Standard: DIN, ASTM, JIS	Thickness range: 0.5-2.0 mm	Width: 600-1500 mm
Galvanized Coils&Sheets		
Standard: DIN, ASTM, JIS	Thickness range: 0.4-3.0 mm	Width: 700-1500 mm
Stainless Steel Coils&Sheets		
Standard: AISI, SUS	Thickness range: 0.8-5.00 mm	Width: 600-1500 mm



Gypsum & Cement





A) Gypsum (POP)

BGC Gypsum (POP)	
Technical Spectation	
Water / Plaster ratio	7 lt water to 10 kg plaster
Colour	Extra white
Setting Time Starts	> 8 minutes
Final Time Setting	20-25 minutes
Flexural Strength	> 2,5 n/mm2 (4x4x16 block)
Compressive Strength	> 3,0 n/mm2 (4x4x16 block)
Dry Density	680-700 kg/m ³
Fire Classification	A1 (according to TS EN 13279-1)
Reference Standard	TS EN 13279-1 TS EN 13279-2
Packaging Type	Polypropylene bag pp5
Packaging Weight	40 kg ±%2

B) Gypsum accessories:

Gypsum profile types	
	a) Ceiling "C" profile
	b) Ceiling "U" profile
	c) Wall "C" 50-75-100 mm
	d) Wall "U" 50-75-100 mm
	e) Perforated Corner Profile.



**SONCAP
Certificate**



C) Portland cement



Portland cement product description: Portland cement is a hydraulic binder that reacts with water, produced with clinker and natural gypsum.

Usage Areas: Used in works requiring high strength values such as tunnel works, precast building.

CEM I 42.5R	Physical Properties		CEM II 42.5R	Physical Properties	
	Initial Setting Time (minutes)	180		Initial Setting Time (minutes)	180
	Final Setting Time (minutes)	280		Final Setting Time (minutes)	290
	Specific Gravity (cm ³ /g)	3.124		Specific Gravity (cm ³ /g)	3.020
	Expansion	1.10		Expansion	1.10
	Strength for 2 days	26.60		Strength for 2 days	26.40
	Strength for 28 days	49.60		Strength for 28 days	48.70



Succeed together

Mira Tower Tatlısu Mah.

Şenol Güneş Bulvarı

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