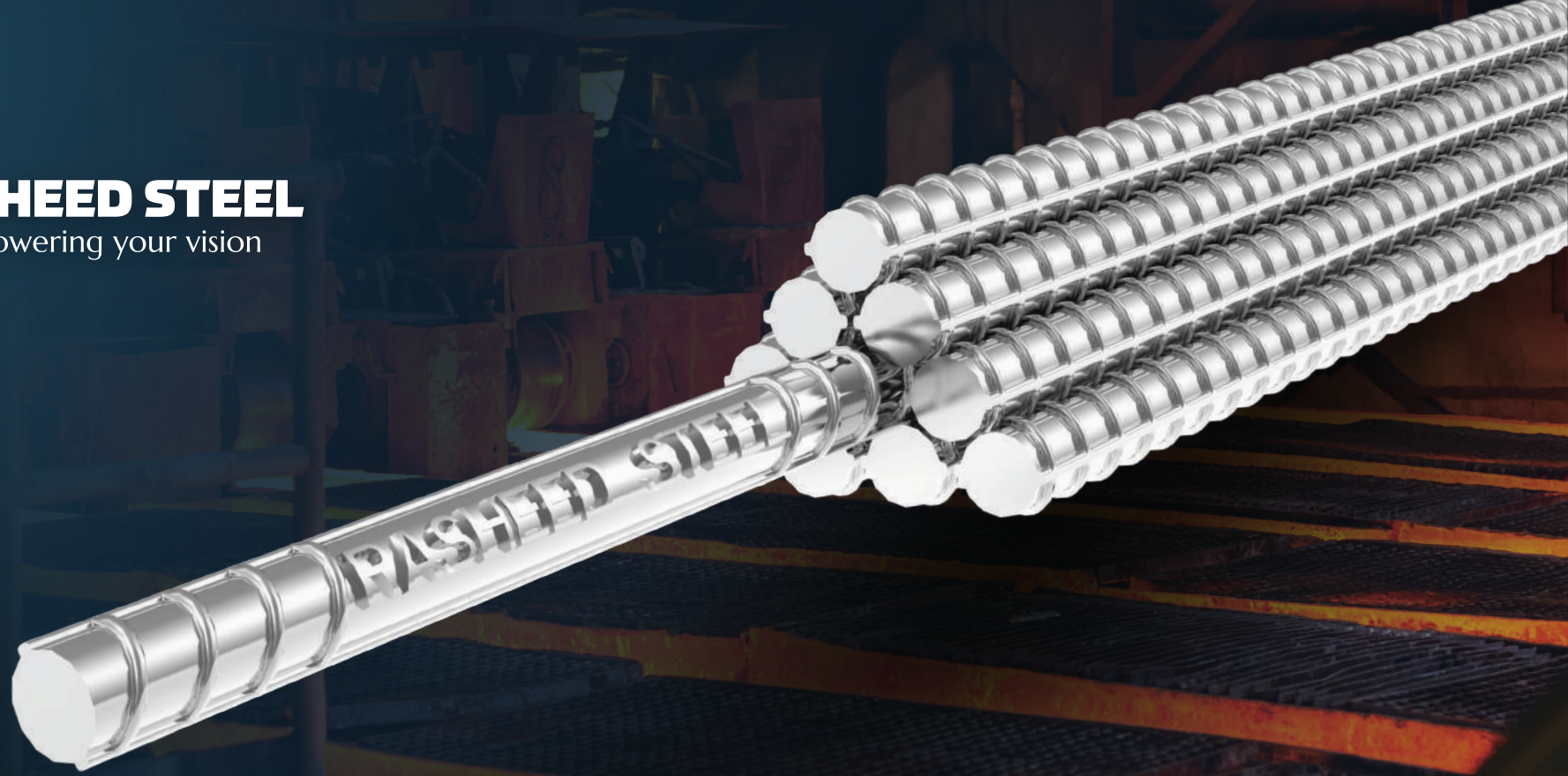




RASHEED STEEL
Empowering your vision



STRENGTH YOU CAN TRUST

Build the foundation of structures that last with our Grade-60 & Grade-80 Deformed Steel Bars. Trust us to deliver durability, reliability, and quality in every beam. Your vision, our steel, a partnership for enduring success.

www.rasheedsteel.com



COMPANY INTRODUCTION

RASHEED STEEL

Since our inception over 3 decades ago, Rasheed Steel has been on the forefront of producing high quality steel bars in Pakistan since 1990. Rasheed Steel was founded on the vision of contributing to Pakistan with international standard steel bars manufactured through modern technology and continuous innovation.

Our vertically integrated plant has a production capacity of over 120,000 tons per annum. We use high quality imported scrap for our energy efficient green-induction furnace to produce prime billets for our steel production. Our Deformed Supreme, Elite and Magnum bars conform to American and British standards.



MISSION

Our mission is to become the pioneers of Pakistan steel industry, by delivering unmatched value to our clients through ethical practices and to fuel the nation's growth and prosperity. Rasheed Steel is dedicated to setting benchmarks in the steel sector by emphasizing responsibility, innovation, and a commitment to quality.

VISION

Rasheed Steel aspires to epitomize integrity, advanced technology, and adopt environmentally sustainable business practices. The company is committed to transforming the steel industry and contributing significantly to Pakistan's economic development by investing in human capital, communities, and technological innovation. Rasheed Steel believes that sustainable profitability and stability are achievable through the unwavering adherence to the highest standards of honesty and integrity.

QUALITY CONTROL

Dedicated to upholding the highest international standards, Rasheed Steel has implemented a comprehensive Quality Assurance System. This system is recognized and certified by both the Pakistan Standards and Quality Control Authority (PSQCA) and ISO 9001. By focusing on continuous improvement and strict compliance, Rasheed Steel ensures that all of its products meet rigorous quality benchmarks, providing its customers with reliability and excellence in every steel product.



STEEL MAKING PROCESS

The company achieves its high standard of production through a rigorous process of manufacturing. High quality scrap is obtained that is melted in our very own environmentally friendly Green Furnace, after which the molten steel is conveyed to Continuous Casting Machines (CCMs). These advanced machines then convert the molten steel into hardened billets ready for the re-rolling process. The chemical composition is carefully monitored to achieve high quality prime billets. These hot rolled billets are conveyed to the automatic mill where they are converted into steel bars. This vertical approach empowers the company to produce high quality steel bars efficiently.

SCRAP

High quality scrap (HMS1, HMS 1&2, ISRI, etc.) is imported from different parts of the world (mainly Europe). Heavy duty cranes are installed for the transfer of scrap in our facility. Industrial Magnets are used to convey the scrap into our induction furnace for melting.

ELECTRIC INDUCTION FURNACE

Industrial bucket loaded with scrap is poured into our furnace where scrap is melted and transformed into prime billets. During this process, we carefully monitor the composition of chemicals (Carbon, Manganese, Phosphorus, Sulfur, Silicon, etc.) to produce billets as per international standards.

CCM

Scrap melted in the induction furnace is rolled out through the Continuous Casting Machine that casts molten scrap into precise billets for steel making process.

BILLETS

These precise hot rolled billets (primary raw material for steel rebars) are now ready to be rolled directly into the rolling mill.

ROLLING MILL

Hot rolled billets are conveyed through conveyers to our automatic rolling mill responsible for transforming billets into steel rebars.

COOLING BED

Hot steel rebars are conveyed to our 120-foot cooling bed where steel is cooled and accurately cut per foot or as per customer requirements to be prepared for bundling.

DISPATCH

Steel rebars are weighed and bundled before dispatch. Random testing is conducted in our in-house laboratories to maintain international standards and rejected pieces separated. Finally, each bundle is labelled with our tag and ready for dispatch.

PRODUCT

SUPREME (ASTM A-615)

Specification:

Minimum Yield Strength: 60,000 PSI (420 MPA)

Minimum Tensile Strength: 90,000 PSI (620 MPA)

Bar Elongation: 8-10%

Features:

- Suitable for all types of construction
- Manufactured from high quality billets
- As per Global Standards
- Uniform gauge and overall dimensions

Bar Designation Number	IMPERIAL SIZES						Elongation
	Diameter/Bar Sizes		Standard Weight		Expected Length per ton		
	Inches	MM	KG/M	KG/FT	Meters	Feet	
3	3/8	9.5	0.560	0.171	1786	5848	9%
4	1/2	12.7	0.994	0.303	1006	3300	9%
5	5/8	15.9	1.552	0.473	644	2114	9%
6	3/4	19.1	2.235	0.681	447	1468	9%
7	7/8	22.2	3.042	0.927	329	1079	8%
8	1	25.4	3.973	1.211	252	826	8%
9	1 - 1/8	28.7	5.060	1.542	198	649	7%
10	1 - 1/4	32.3	6.404	1.952	156	512	7%
11	1 - 3/8	35.8	7.907	2.410	126	415	7%

Bar Sizes Diameter (mm)	METRIC SIZES Standard Weight		Expected Length per ton	
	(KG/M)	(KG/FT)	Meters	Feet
10	0.617	0.188	1621	5319
12	0.888	0.271	1126	3690
16	1.578	0.481	634	2079
20	2.466	0.752	406	1330
25	3.853	1.174	260	852
28	4.834	1.473	207	679
32	6.313	1.924	158	520
36	7.990	2.435	125	411
40	9.865	3.007	101	333

PRODUCT

ELITE (ASTM A-706)

Specification:

Minimum Yield Strength: 60,000 PSI (420 MPA)

Minimum Tensile Strength: 80,000 PSI (550 MPA)

Tensile to Yield Strength Ratio > 1.25

Bar Elongation: 12-14%

Features:

- Earthquake Resistant in all Seismic Zone
- Manufactured from high quality billets
- As per American Standards for Testing & Materials (ASTM A-706)

Bar Designation Number	IMPERIAL SIZES						Elongation
	Diameter/Bar Sizes		Standard Weight		Expected Length per ton		
	Inches	MM	KG/M	KG/FT	Meters	Feet	
3	3/8	9.5	0.560	0.171	1786	5848	14 %
4	1/2	12.7	0.994	0.303	1006	3300	14 %
5	5/8	15.9	1.552	0.473	644	2114	14 %
6	3/4	19.1	2.235	0.681	447	1468	14 %
7	7/8	22.2	3.042	0.927	329	1079	12 %
8	1	25.4	3.973	1.211	252	826	12 %
9	1 - 1/8	28.7	5.060	1.542	198	649	12 %
10	1 - 1/4	32.3	6.404	1.952	156	512	12 %
11	1 - 3/8	35.8	7.907	2.410	126	415	12 %

Bar Sizes Diameter (mm)	METRIC SIZES			
	Standard Weight		Expected Length per ton	
	(KG/M)	(KG/FT)	Meters	Feet
10	0.617	0.188	1621	5319
12	0.888	0.271	1126	3690
16	1.578	0.481	634	2079
20	2.466	0.752	406	1330
25	3.853	1.174	260	852
28	4.834	1.473	207	679
32	6.313	1.924	158	520
36	7.990	2.435	125	411
40	9.865	3.007	101	333

PRODUCT

MAGNUM (BS 4449-G500)

Specification:

Minimum Yield Strength: 72,500 PSI (500 MPA)

Minimum Tensile Strength: 88,000 PSI (607 MPA)

Revised British Standard 2016

Features:

- Earthquake Resistant & Safely Weldable
- Higher creep and corrosion resistant
- Lower Project Cost (Upto 15% Consumption Savings as compared to ASTM-615)
- Manufactured from high quality billets
- Suitable for high rise structures

Bar Sizes Diameter (mm)	METRIC SIZES				Elongation
	Standard Weight		Expected Length per ton		
	(KG/M)	(KG/FT)	Meters	Feet	
10	0.62	0.188	1621	5319	12.5%
12	0.89	0.271	1126	3690	12.5%
16	1.57	0.482	634	2075	12.5%
20	2.47	0.752	406	1330	12.5%
25	3.85	1.174	260	853	12.5%
32	6.31	1.924	158	520	12.5%
40	9.86	3.007	101	333	12.5%

PRODUCT

BILLETS

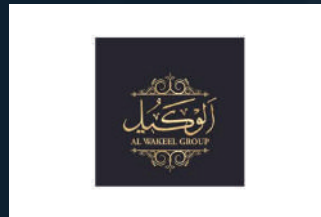
Billet is an intermediary steel product from which reinforcement bars are rolled. At Rasheed Steel, we produce our own billets to maintain the consistency of physical and mechanical properties of our rebars. Rasheed Steel offers billets manufactured by using premium quality raw material. Our billets are corrosion resistant and have high tensile strength. Our billets comply to ASTM A615, ASTM A706 and BS 4449:2005 international standards.



IN-HOUSE LABORATORIES

Product quality is maintained through our in-house laboratories. A laboratory is dedicated to monitoring billet production. Samples are tested to ensure correct chemical composition of billets as per international standards. Another laboratory is responsible for performing strength tests to maintain American and British standards as per requirement of client.

CLIENTS





EURO TICK
Quality Standard
ISO 9001 : 2015



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