



الحديد الوطني السعودي

SAUDI NATIONAL STEEL FACTORY

ISO 9001:2015 CERTIFIED COMPANY



Partners in growth...



ABOUT US

Saudi National Steel is a pivotal part of the Al Nasser Industrial Enterprises L.L.C and its steel foray into Saudi Arabia. It is a top-quality construction steel producer. In line with our aspirations, Saudi National Steel has expanded its customer base beyond the boundaries of the Eastern Region of KSA and caters to customers in other rapidly growing markets across the Kingdom region.

Saudi National Steel is an ISO 9001:2015 certified company.

The company manufactures hot rolled low carbon steel bars (Deformed Steel Bars) through Thermo Mechanical Treatment (TMT) process in sizes ranging from 10 mm to 32 mm and in lengths varying from 06 meters to 12 meters. The specification followed is **ASTM A615 Gr. 60 and Gr. 80. / ASTM A706 Gr. 60 / BS 4449 Gr. B500B.**

The company has expansion plans for producing Channels, Angles and Square Bars. Saudi National steel is currently capable of rolling out 180,000 TPA of Deformed Steel Bars.

CORPORATE IDENTITY



is a fully owned company of



Al Nasser Industrial Enterprises L.L.C.

Al Nasser Industrial Enterprises LLC (ANIE) is a renowned industrial conglomerate, based in Abu Dhabi - UAE, with manufacturing activities in sectors like Steel, Polymers, Structural Fabrication and Industrial Intermediates located across the AGCC & MENA region.

ANIE was established in 1992 by Al Nasser Holdings LLC to set up successful industrial ventures and establish a strong presence in the AGCC region. Over the following two decades, the goals and strategies initially envisioned have been translated into remarkable achievements resulting in tremendous growth and firmly establishing ANIE as a private sector leader.

Since its inception in 1992, Al Nasser Industrial Enterprises LLC has consistently striven to enhance its products and services through continuous development of advanced technologies in-house. In its quest to achieve sustainable development, it has focused on placing environmental, health and safety issues at the forefront at all times.

ANIE is, today, one of the leading industrial holding companies in the UAE, and is poised for exponential growth.

Employing over 900 personnel, ANIE has manufacturing companies located in UAE, Saudi Arabia, Oman, Bahrain and Djibouti.

Al Nasser group's presence in the Kingdom of Saudi Arabia is supported by the following companies:

- **Geyad Company** - focused on **steel structural fabrication** for Aramco, Hyundai, etc.
- **Saudi Polycon Ltd.** - delivering quality **water tanks** since 2000.

OUR VISION

- To deliver excellence in customer service and to operate with social responsibility & integrity.
- To manufacture products in AGCC & MENA regions to foster self-reliance.
- To become a reputed and cost-effective producer with a regional market reach

VALUES

- Teamwork, integrity, professionalism, customer service, transparency with safety, health & environment preservation.



FACILITIES

- Rolling Mills with TMT Process, Automatic Cooling Bed and material handling equipment.
- A fully equipped testing lab comprising a Universal Testing Machine to check yield strength, tensile strength and elongation.
- Re-bending machine for bend and re-bend testing.
- Spectrom MANUFACTURING PROCESS Eter for checking chemical composition of raw

MANUFACTURING PROCESS

Saudi National Steel produces Deformed Steel Bars from prime quality Billets manufactured in -house. The Billets are inspected and stacked according to cast numbers. Pre-sized Billets are charged to a pusher-type, temperature-controlled Re-heating Furnace.

Heated Billets are passed through various stands to arrive at desired size. From the finishing stand, the bars are passed through a Thermo Mechanical Treatment (TMT) process wherein the hot bar is rapidly cooled by water to achieve high strength with high ductility. Due to rapid controlled cooling, surface temperature of the bar reduces quickly and forms a martensite structure. Core of the bar remains fine grain ferrite pearlite. This provides enhanced strength with ductility to the finished material.

Bars are cut by a Flying Shear to required length and passed through twin channels to a walking beam-type cooling bed. The cooled bars are sheared using a finishing shear to standard length (12 meters), bundled (2 tons) and sent for storage at finished goods storage area.

PRODUCTS DESCRIPTION

RE-BARS:



SASO-ASTM 615, Grade 60 - 420 MPA

SASO-ASTMA 615, Grade: 60

- High Yield Deformed Steel Bars for concrete reinforcement.
- TMT- quenching production process for Flexibility and superior mechanical properties, welding, and resistance to corrosion.
- **SASO-ASTM 615, Grade: 60 - 420 MPA.**
- Sizes: 10 mm to 32 mm diameter.
- Length: Straight Length of 12 meters or in special lengths ranging from 6 meters to 12 meter.

SASO-ASTMA 615, Grade: 80

- High Yield Deformed Steel Bars for Concrete Reinforcement.
- TMT- quenching production process for Flexibility and superior mechanical properties, welding, and resistance to corrosion.
- **SASO-ASTM 615, Grade: 80 - 550 MPA.**
- Sizes: 10 mm to 32 mm diameter.
- Length: Straight Length of 12 meters or in special lengths ranging from 6 meters to 12 meters.



SASO-ASTM 615, Grade 80 - 550 MPA

RE-BARS:



SASO-ASTM 706, Grade 60 - 420 MPA

SASO-ASTM A706

- Deformed and Plain Low-Alloy for Concrete Reinforcement.
- It offers superior Bendability and Weldability. Also, high Elongation capacity is ideal for Seismic applications.
- **SASO-ASTM A706, Grade: 60 - 420 MPA.**
- Sizes: 10 mm to 32 mm diameter.
- Length: Straight Length of 12 meters or in special lengths ranging from 6 meters to 12 meters.

BS 4449 - B500B

- BS 4449 Grade B500B is a High-Tensile, Weldable, Ribbed Reinforcing Steel Re-bar.
- **Properties:** High Tensile Strength with good Ductility and Weldability.
- Grade: **BS 4449 - B500B**
- Sizes: 10 mm to 32 mm diameter.
- Length: Straight Length of 12 meters or in special lengths ranging from 6 meters to 12 meters.



BS 4449-Grade B500B

STEEL BILLET:



Steel Billet

- Stainless Reinforcement Steel Billet

Specification:

- SASO-ASTM 615, Grade 60 and 80.
- SASO-ASTM 706, Grade 60.
- BS 4449, Grade B500B.

Size and Length:

- 130 X 130 mm - length: 3 - 6 meter long.
- 110 X 110 mm - length: 3 - 6 meter long.
- 100 X 100 mm - length: 3 - 6 meter long.

EPOXY COATED RE-BAR:

- Epoxy-Coated rebar is a High-Strength Steel Reinforcing bar. Coated with a protective epoxy layer to prevent corrosion from moisture and salt in harsh environments
- Grade: **ASTM A775**.
- Sizes: 10 mm to 32 mm diameter.
- Length: Straight length of 12 meters or in special length ranging from 6 to 12 meter.



Epoxy Coating Re-bar

PRODUCT SPECIFICATIONS

Steel Re-bar ASTM A615 - Grade 60 - 420 MPA Specification

Physical Composition

Type	Sizes (Dia)	Min Yield Strength (MPa)	Min Tensile Strength (MPa)	Standards Compling to
High Yield Deformed Re-bar	10mm to 32mm	420	620	SASO ASTM A615, Gr.60

Chemical Composition

Size Range	Product Specification	Process Route	C%	Si%	Mn%	P% Max	S% Max
10-32MM	SASO ASTM A615 Gr 60	Quenching	0.25 Max	0.15-0.30	0.55-1.10	0.045	0.045

Dimensions

Nominal Dia (mm)	No. of Bars per Bundle (2 mt)	Nominal Weight (kg/m)	Nominal Area (sq.mm)	Max Average (mm)	Transverse Rib Height (mm)		Longitudinal Rib
					Min	Max	Max
10	270	0.616	78.54	7.00	0.65	1.20	1.00
12	188	0.888	113.00	8.40	0.78	1.44	1.20
14	138	1.208	154.00	9.80	0.91	1.68	1.40
16	106	1.579	201.00	11.20	1.04	1.92	1.60
20	68	2.466	314.00	14.00	1.30	2.40	2.00
25	44	3.854	491.00	17.50	1.63	3.00	2.50
28	35	6.313	804.00	22.40	2.08	3.84	3.20

❖ The company can also deliver non-standard sized re-bars as per specific needs of projects.

Steel Re-bar ASTM A615 - Grade 80 - 550 MPA Specification

Physical Composition

Type	Sizes (Dia)	Min Yield Strength (MPa)	Min Tensile Strength (MPa)	Standards Compling to
High Yield Deformed Re-bar	10mm to 32mm	550	690	SASO ASTM A615, Gr.80

Chemical Composition

Size Range	Product Specification	Process Route	C%	Si% Max	Mn%	P% Max	S% Max
10-32MM	SASO ASTM A615 Gr 80	Quenching	0.30 Max	0.15-0.50	0.60-1.50	0.045	0.045

Steel Re-bar ASTM A706 - Grade 60 - 420 MPA Specification

Physical Composition

Type	Sizes (Dia)	Min Yield Strength (MPa)	Min Tensile Strength (MPa)	Standards Compling to
High Yield Deformed Re-bar	10mm to 32mm	420-540	550	SASO ASTM A706, Gr.60

Chemical Composition

Size Range	Product Specification	Process Route	C%	Si%	Mn%	P% Max	S% Max
10-32MM	SASO ASTM A706 Gr 60	Quenching	0.33 Max	0.55 Max	1.56 Max	0.043 Max	0.053 Max

Steel Re-bar BS4449 - Grade B500B Specification

Physical Composition

Type	Sizes (Dia)	Min Yield Strength (MPa)	Min Tensile Strength (MPa)	Standards Compling to
High Yield Deformed Re-bar	10mm to 32mm	650	500	BS4449, Gr. B500B

Chemical Composition

Size Range	Product Specification	Process Route	C%	P% Max	S% Max	Cu% Max	CEV% Max
10-32MM	BS4449 Gr. B500B	Quenching	0.24 Max	0.055 Max	0.055 Max	0.085 Max	0.052 Max

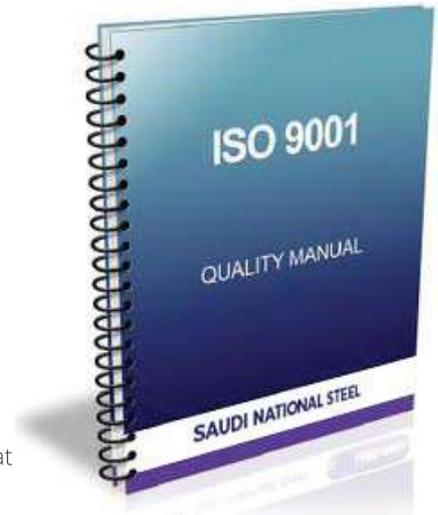
QUALITY ASSURANCE PLAN

The latest technologies and industry best practices are used in Saudi National Steel to aid and hone the manufacturing expertise. The Quality Control department is equipped with the most advanced computerized monitoring and testing systems. Engineering and R&D division continuously strive towards betterment of product quality. And, of course, the company is **ISO 9001:2015 certified**.

Saudi National Steel maintains Total Quality Management (TQM) systems at all stages of production. International Quality Control Standards are followed for every process - from testing basic raw material to certifying Final product.

The below steps are followed to ensure Total Quality, which is a way of life at Saudi National Steel:

- Careful selection of basic raw material.
- Chemical analysis of hot material samples.
- Analysis of physical and chemical properties of Billets.
- Re-heating furnace temperature check.
- Checking size and gauge at Final stage.
- Checking of Final mechanical, chemical and physical properties of Finished product.





**SUPERIOR
QUALITY**

PHYSICAL AND CHEMICAL TESTING LABORATORY

Saudi National Steel is fully equipped with the best-in-class equipment required for quick testing and reporting.

- Universal Tensile Testing Machines (100T) capacities
- Bending Machine for Bend/Rebend Test

Saudi National Steel produces highgrade TMT construction rods. The mill is technologically advanced and uses semi-automatic rolling to ensure quality. Due to low carbon content and strict quality control, the TMT process bars are highly flexible, do not lose strength at weld joints and provide good elongation. The special design of bars allow excellent bonding properties and longer life.

Certificate SA19/2615

The management system of

Saudi National Steel Factory Company

Road No. 7, Dammam 3rd Industrial City, Dammam, Kingdom of Saudi Arabia

has been assessed and certified as meeting the requirements of
ISO 9001:2015

For the following activities

Production and Supply of Steel Billets, Hot Rolled Deformed, Plain Steel Rebar, Square bar, Channel and Angle Bar in cut to Length.

This certificate is valid from 11 March 2025 until 24 February 2028 and remains valid subject to satisfactory surveillance audits.

Issue 3. Certified since 24 February 2019

Last certificate expiry date 24 February 2025

Recertification audit date 06 January 2025

L. Moran

Authorised by

Liz Moran

Business Manager

SGS United Kingdom Ltd

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ملحق شهادة ترخيص باستخدام علامة الجودة

Appendix (License to use the Quality Mark)

The Facility	مصنع شركة الحديد الوطني السعودي	المنشأة
License No	QM2403000224	رقم الترخيص
License Issue Date	26/03/2024	تاريخ إصدار الترخيص
License Expiry Date	26/03/2027	تاريخ انتهاء الترخيص
Product	اسياخ الصلب الكربوني ذات النتوءات لتسليح الخرسانة	المنتج
Reference Standard	SASO ASTM A615	المواصفة القياسية

تاريخ المنح/التجديد/التوسيع	العلامة التجارية	الصف	م
Date of Grant/Renewal/Extension	Trademark	Classification	No.
26/03/2024	اس ان اس	درجة 60	1



للتأكد من صحة هذه الشهادة يرجى زيارة موقعنا على الإنترنت، وأي كشط أو تغيير في هذه الشهادة يلغيها.

To verify this certification visit SASO website, and any changes or modification on this certificate will affect its validity.

Jul 16, 2020

SRQU-071-20

GURLOCHAN B. SINGH, CEO
Saudi National Steel Factory Co.
P.O. BOX 640
DAMMAM 31952
SAUDI ARABIA

Fax 013 894 8354

Mr. Singh,

We are pleased to inform you that your company is included in the Saudi Aramco Supplier Information System under Vendor Code No. **10065838**, for the following products provided your company continues to meet relevant Saudi Arabian and Saudi Aramco standards.

9COM	Description
6000000615	BAR; REINFORCING; STEEL; ASTM A 615

This approval, however, should not be construed as a commitment by Saudi Aramco to purchase from you. Being approved as a supplier only grant your company the opportunity, along with other approved sources, to respond to requests for submitting proposals in accordance with Saudi Aramco's established policies and procedures. All purchase agreements and orders will be issued based on the name and address stated in your commercial registration (CR), as stated above.

Saudi Aramco wishes to remind you that being recognized as a potential supplier is a privilege which carries with it serious obligations and responsibilities to act in a legal and ethical manner. We wish to remind you of the Saudi Aramco Supplier Code of Conduct (SCOC) which you acknowledged. Failure to abide by the principles set forth in the SCOC can result in adverse actions being taken by Saudi Aramco against you including suspension of you as a supplier. Saudi Aramco also expects each of its suppliers to satisfy each of the requirements of any purchase agreements or orders which might be placed and to act responsibly and reliably as a supply chain supplier.

SRQU-071-20

Please note that evidence of representation from your supply source(s) must be supported by letter(s) of confirmation stipulating the territorial coverage and specific product lines involved. Your supply sources must have been accepted as qualified suppliers of the range of materials that you wish to supply. It is also important that you advise us immediately of any changes in the agreements which you have negotiated with your supply sources and/or any changes in your contact information such as postal address, telephone and fax numbers.

Suppliers should apply for Saudi Aramco Supplier Portal access by forwarding a request to portal-registration@aramco.com. The Supplier Portal is the main electronic business tool used between Saudi Aramco and its suppliers and serves to improve the flow and accuracy of key supply chain information.

For linking applicable 9CATs, please communicate with Standardization engineer Abdullah Abdulaziz Aldajj on (013) 8740641 or on abdullah.daej@aramco.com

For further information or assistance, please contact Abdulrahman Aljedawi on (013) 874-1844 or the Supplier Help Desk on (013) 874-2222 or on SupplierHelpDesk@aramco.com



Adnan A. Jaman, Supervisor (A)
Supplier Registration & Qualification Unit

It is the responsibility of the supplier to notify Saudi Aramco Supplier Relations Management Unit of the following:

1. Change of Name/ Address/ Owner(s)
2. Any change of the supplier location (sub sourcing fabrication of major components)
3. Discontinue of fabrication or supply of approved commodities (9COMs, 9CATS and/or MSGs)



الحديد الوطني السعودي SAUDI NATIONAL STEEL

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