



PARTH

STEEL & ENGG. CO.
Pioneer in Precision Bright Bars
(The Shah Group of Company)



AN ISO 9001:2015 CERTIFIED COMPANY

Manufacturers, Suppliers and Exporters of all Stainless Steel & Alloy Steel Bright Bars



COMPANY PROFILE

AN ISO 9001:2015 CERTIFIED &
PED/HEN/EAM, ETC, CERTIFIED COMPANY
ACC. TO DIRECTIVE 2014/68/EU

2023

www.parthsteel.com

PROFILE

Ever since its foray into the steel Industry, **Parth Steel & Engg Co.** has established itself as a name to reckon with! Over the years, through meticulous quality control and outstanding customer care, it has built a reputation for Quality, Reliability, and Integrity. We are an **ISO 9001:2015 CERTIFIED & PED/hEN/EAM**, etc, CERTIFIED COMPANY **ACC. TO DIRECTIVE 2014/68/EU**. We are the **Leading Global Manufacturers, Exporters and Suppliers** of a wide array of stainless steel 200, 300 & 400 series-grade materials.

We have a **state-of-the-art Bright Bar Manufacturing Unit at Wada, Palghar, Maharashtra** equipped with modern facilities, Innovative technologies and Skilled and Semi-skilled Labourers to cater to any requirements as per the specification of our esteemed customers. The best part about our company is that we are known for timely deliveries and prime quality materials as per the demand of our clients. We are catering to **domestic and international markets**, reaching clients across the globe with an experience of **more than 20 years in the industry already**.

The Company is one of **India's Premiere Bright Bar steel processing units** with an annual capacity of more than **10,000 MT per annum**. Our efficient team and technologies include all mechanical and physical testing in-house. All our materials are Inspected and checked before the material is dispatched.

It is our endeavour to carry forward the tradition of excellence providing consistently superior quality and improved products to our esteemed customers exceeding their expectations. Our company has moved forward with a relentless commitment to offer the finest quality products at the most competitive price to ensure complete customer satisfaction. With years of experience, a team of dedicated personnel and a willingness to succeed, the company is determined to meet the never-ending demands of the customers.



Certificate

Quality-Assurance System for Manufacturer of Materials acc. to Directive 2014/68/EU

Certificate no.: 01 2627 IN/M1-230009.00

Name and address
of the manufacturer: Parth Steel & Engg. Co
89/91, P. S. Ram Mandir Marg, 4th Kumbharwada
Mumbai - 400 004
India

Herewith we certify that the material manufacturer has established and applies a Quality Management System. The system was audited according to the European Directive 2014/68/EU, Annex I, point 4.3, with regard to the materials as listed in the scope of approval.

Tested acc. to
Directive 2014/68/EU: QM System acc. to EN 764-5, Clause 4.2 and AD
2000-Merkblatt W0

Assessment report no.: IN/M1-230009 Rev. 0

Area of validity: Manufacturing of Stainless Steel and Alloy Steel Forged
Bars & Bright Bar in Round, Hexagonal, Square, Flat
and Rectangle Shapes, see Annex to certificate

Manufacturing plant: Parth Steel & Engg. Co
Sr. No. 5, S.No. 36/3/3/2, H.No. 9, H.No. 20, S.No.
39/A/7, S.No. 39/A/8/1, H.No. 21 Village - Kadivali,
SSonar Pada Road, Tal-Wada, Dist. Palghar
Maharashtra-421303
India

Period of validity: 10.07.2023 - 09.07.2026

Zabrze, 10.07.2023

Wojciech Szalek
Wojciech Szalek



TÜV Rheinland Polska Sp. z o.o.
Certification Body for Material Manufacturers
ul. Wesołoci 247, 41-400 Zabrze, Poland
e-mail: post@tu.com

TB.MS 0038294 rev. 2

www.tuv.com



PED CERTIFICATION TUV RHEINLAND

TUV SUD ISO 9001: 2015 CERTIFICATION (DAKKS ACCREDITATION)



Management Service

CERTIFICATE

The Certification Body
of TÜV SÜD Management Service GmbH

certifies that



Parth Steel & Engg Co
S.No. 5/36/3/3/2 H.No. 9, S.No. 39/A/7, H.No. 20, S.No. 39/A/8/1,
H21, Sonar Pada Road, Village Kadivali, Taluka Wada,
Palghar - 321303, Maharashtra, India

has established and applies
a Quality Management System for

Manufacturing and Supply of Stainless Steel, Alloy Steel and Carbon Steel
Grade - Bright Bar in Round, Hexagonal, Square, Flat and Rectangle Shapes..

4153742612 An audit was performed, Order No.. Proof has
been furnished that the requirements
according to

DIN EN ISO 9001:2015

are fulfilled.

The certificate is valid in conjunction
with the main certificate from 2022-12-05 until 2024-12-24.
Certificate Registration NO.:

12 100 65006/02 TMS.

Paul Dack

Head of Certification Body
Munich, 2022-12-07



ZERTIFIKAT ■ CERTIFICATE ■ 認證證書 ■ СЕРТИФИКАТ ■ CERTIFICADO ■ CERTIFICAT

TÜV SÜD Management Service GmbH • Zertifizierungsstelle • Rüdigerstraße 05 • 80339 München • Germany
www.tuv-sud.de/certificate-validity-check

TUV®



PRODUCTS



BRIGHT ROUND BARS

Execution	MM	ISO Tolerance
Cold Drawn and Polish	2.50 – 75.00	h8-h9-h10-h11, ASTMA-484
Cold Drawn and Ground	5.00 – 75.00	h8-h9-h10-h11
Peeled and Polished	18.00 – 156.00	h11, ASTMA-484 h11-DIN 1013
Peeled and Ground	18.00 – 156.00	h9-h10-h11, ASTMA-484

HEXAGON BARS

Execution	MM	ISO Tolerance
Cold Drawn	4.00 – 60.00	h9-h10-h11
Polished	4.00 – 60.00	h9-h10-h11



SQUARE BARS

Execution	MM	ISO Tolerance
Cold Drawn	3.00 – 50.00	h9-h10-h11
Polished	3.00 – 50.00	h9-h10-h11

GRADES AVAILABLE: 410, 416, 420,420 B, 409 TI, 430, 430 L, 430 F,430 F DIN, 431,431 DIN,17-4 PH,2205, 31803, 201,201 CU, 202, 204 CU, 303, 304, 304 L, 316, 316 L, 316 TI, 317 LN, 310 S, 321,347

FLAT BARS

Execution	MM	ISO Tolerance
Cold Drawn	3.00 – 20.00	h9/h11
Cold drawn + Polish	5.00 – 36.00	h9/h11



RCS, BILLETS & BLOOMS

**RCS
(SIZE IN MM)**

45 X 45 MM TO 100 X 100 MM

**BILLETS/BLOOMS
(SIZE IN MM)**

120 X 120 MM TO 250 X 250 MM

**HEAT
TREATMENT**

Ascast/Annealed/Solution Annealed

BLACK & FORGED BARS

SIZE RANGE	130 MM TO 500 MM
LENGTH	3 TO 6 METERS
HEAT TREATMENT	Soft Annealed, Solution Annealed, Quenched and Tempered
SUPPLY CONDITIONS	Ultrasonic Tested Free from Surface Defects and Cracks 100% identified with handheld Spectrometer Free from Radioactive elements and mercury, lead contamination



GRADES AVAILABLE: 410, 416, 420, 420 B, 409 TI, 430, 430 L, 430 F, 430 F DIN, 431, 431 DIN, 17-4 PH, 2205, 31803, 201, 201 CU, 202, 204 CU, 303, 304, 304 L, 316, 316 L, 316 TI, 317 LN, 310 S, 321, 347



STAINLESS STEEL WIRES

SIZE	2.5 MM to 9.00 MM
FINISH	Bright Drawn, Bright Shiny, Matt Drawn, Coated, De-coated, Soap Drawn (Skin Pass)
TEMPER	Soft, 1/8 hard, 1/2 hard, 1/4 hard, 3/4 hard, full hard
TOLERANCE	As per ASTM and EN standards
PACKING	Coils of 150 to 500 Kgs, Coils are wrapped in plastic film or HDPE

STAINLESS STEEL HRAP WIRE RODS

SUPPLY CONDITION	Hot Rolled or Hot Rolled Annealed and Pickled with/without coating
HEAT TREATMENT	Solution Annealed for Austenitic Grade, Annealed for Martensitic Grades
GRADES	All 200, 300 & 400 Series Grades
SIZE RANGE	5.5 mm to 28 mm
TOLERANCE	+/- 0.30 mm Max



GRADES AVAILABLE: 410, 416, 420,420 B, 409 TI, 430, 430 L, 430 F,430 F DIN, 431,431 DIN,17-4 PH,2205, 31803, 201,201 CU, 202, 204 CU, 303, 304, 304 L, 316, 316 L, 316 TI, 317 LN, 310 S, 321,347

PUMP SHAFT QUALITY - PSQ BAR

Parth Steel & Engg Co. produces **PSQ bars in both Austenitic as well as Martenistic grades**. Austenitic stainless steels are most commonly used. Austenitic stainless steel pump shafting is not magnetic; due to its high nickel and chromium composition, it is extremely resistant to corrosion. In addition, austenitic stainless steel pump shafting provides excellent mechanical properties. Heat treatment cannot be used to harden austenitic stainless steel pump shafting, although it can be hardened considerably by cold working.

The common application of PSQ Bars:-

- **Pneumatic and Hydraulic Cylinder Shafts**
- **Textile Machinery Shafts**
- **Piston Shafts**
- **Precision Shafting**
- **Chemical Pump Shafts**

Grades Available in Austenitic Steel:-

AISI-304 AISI-304L AISI-303 AISI-310 AISI -317 LN
AISI-316 AISI-316L AISI-316TI AISI-321
AISI-201 AISI-202 AISI- 201 CU AISI 204 CU

Martensitic stainless steels were designed as a type of stainless steel alloy that could be hardened by heat treatment and would be corrosion resistant - although not as corrosion resistant as austenitic or ferritic stainless steels. Martensitic stainless steel pump shafting is highly machinable and is known for being wear resistant.

Grades Available in Martensitic Steel:-

AISI-410 AISI-430 AISI-430F AISI-430 F DIN
AISI-416 AISI- 430L AISI -431
AISI-420 17-4 PH

Parth Steel & Engg produces PSQ bars with superior finish and straightness tolerance by additional processes using modern techniques and state-of-art machinery and types of equipment including special finishing machines to give a smooth and mirror finish surface. Thus wear-free running of the impellers is ensured. We also provide chamfering at 30 – 45 degrees as per customer requirements.

The bars thus produced undergo stringent quality and inspection tests in order to ensure the exact technical requirements are adhered to during the production as per O.E.M. specifications.



TECHNICAL SPECIFICATIONS

SIZE RANGE	DIAMETER/TOL.	OVALITY	STRAIGHTNESS	LENGTH	SURFACE
6 MM - 70 MM	H8, H9	1/2 DIAMETER TOLERANCE	UPTO 0.5 MM PER 1 METER	2.5 METERS- 6 METERS	SMOOTH/ MIRROR FINISH

CHEMICAL INFORMATION

GRADE		% C	% Si	% Mn	% P	% S	% Ni	% Cr	% Cu	Others	Comparison		Application
AISI	DIN	MAX	MAX	MAX *	MAX	MAX *					B.S.	JIS	
201		0.15	1.00	7.00 - 9.00	0.100	0.03	0.40 - 1.00	14.00 - 16.00	1.50 - 2.50			SUS 201	Furniture and decorative items, baskets & architectural products.
202		0.15	1.00	7.50 - 10.00	0.060	0.03	4.00 - 6.00	17.00 - 19.00	1.50 - 2.50			SUS 202	Shafts, Grills and Racks
204 Cu	1.4597	0.09	1.00	6.50 - 8.50	0.060	0.03	1.50 - 3.00	16.00 - 17.00	2.00 - 3.00			SUS 204Cu	
302	1.4312	0.15	1.00	2.00	0.045	0.03	8.00 - 10.00	17.00 - 19.00			302S25	SUS 302	Precision Components & Shafts
303	1.4305	0.15	1.00	2.00	0.200	0.15 - 0.30	8.00 - 10.00	17.00 - 19.00	Mo = 0.60 max		303S31	SUS 303	
303 Cu		0.15	1.00	2.00	0.150	0.10 MIN	6.00 - 10.00	17.00 - 19.00	Cu = 2.50 - 4.00		303S30		
304	1.4301	0.08	1.00	2.00	0.045	0.03	8.00 - 10.50	18.00 - 20.00			304S15	SUS 304	General all purpose, Kitchen Equipments, Food Production facilities
304 L	1.4306	0.03	1.00	2.00	0.045	0.03	8.00 - 12.00	18.00 - 20.00	N = 10ppm max		304S11	SUS 304L	
310	1.4841	0.25	1.50	2.00	0.045	0.03	19.00 - 22.00	24.00 - 26.00			310S24	SUH 310	Heat Exchangers, Gas Turbines
310 S	1.4845	0.08	1.50	2.00	0.045	0.03	19.00 - 22.00	24.00 - 26.00				SUS 310S	
316	1.4401	0.08	1.00	2.00	0.045	0.03	10.00 - 14.00	16.00 - 18.00		Mo = 2.00 - 3.00	316S16	SUS 316	Anticorrosion parts, valves and components in Petro Chemical and Dying Industry.
316 L	1.4404	0.03	1.00	2.00	0.045	0.03	10.00 - 14.00	16.00 - 18.00		Mo = 2.00 - 3.00 &	316S11	SUS 316L	
										N = 10ppm max			
316 Ti	1.4571	0.08	1.00	2.00	0.045	0.03	10.00 - 14.00	16.00 - 18.00		Mo = 2.00 - 3.00 &	320S31		Anti Corrosion parts, Car Mufflers
										Ti = 5x(C+N) min to 0.70			
321	1.4541	0.08	1.00	2.00	0.045	0.03	9.00 - 12.00	17.00 - 19.00		Ti = 5x(C+N) min to 0.70	321S31	SUS 321	Aircraft Engine, Vent Pipes, Heat exchanger
630 / 17-4PH	1.4542	0.07	1.00	1.00	0.040	0.03	3.00 - 5.00	15.00 - 17.50					Shafts, Advanced Mold

* Maximum unless otherwise indicated

GRADE		% C	% Si	% Mn	% P	% S	% Ni	% Cr	% Cu	Others	Comparison		Application
AISI	DIN	MAX	MAX	MAX	MAX	MAX *					B.S.	JIS	
430	1.4016	0.12	1.00	1.00	0.040	0.03	0.50	16.00 - 18.00			430S15	SUS430	Kitchen Equipments, Material for Construction
430 F		0.12	1.00	1.25	0.060	0.15 MIN		16.00 - 18.00				SUS 430F	Components, Nozzle for Fuel Injection
430 F DIN	1.4104	0.10 - 0.17	1.00	1.50	0.040	0.15 - 0.35	0.50	15.50 - 17.50		Mo = 0.20 - 0.60			
	1.4105	0.08	1.50	1.50	0.040	0.15 - 0.35		16.00 - 18.00		Mo = 0.20 - 0.60			

* Maximum unless otherwise indicated

GRADE		% C	% Si	% Mn	% P	% S	% Ni	% Cr	% Cu	Others	Comparison		Application
AISI	DIN	MAX	MAX	MAX *	MAX	MAX *					B.S.	JIS	
403	1.4024	0.15	0.05	1.00	0.040	0.03		11.50 - 13.00	-		420S29	SUS 403	Shafts, Shaft keys, OA Devices
410	1.4006	0.15	1.00	1.00	0.040	0.03		11.50 - 13.50			410S21	SUS 410	
416	1.4005	0.15	1.00	1.25	0.060	0.15 MIN		12.00 - 14.00			416S21	SUS 416	Machined Components for various industry levels, Various Shafts
420	1.4021	0.15	1.00	1.00	0.040	0.03		12.00 - 14.00			420S37	SUS 420J1	
420 B	1.4028	0.26 - 0.35	1.00	1.50	0.040	0.03		12.00 - 14.00			420S45	SUS 420J2	
420 C	1.4034	0.43 - 0.50	1.00	1.00	0.040	0.03		12.50 - 14.00					
431		0.20	1.00	1.00	0.040	0.03	1.25 - 2.50	15.00 - 17.00			431S29	SUS 431	Marine shafts, Aircraft parts
431	1.4057	0.12 - 0.22	1.00	1.50	0.040	0.03	1.50 - 2.50	15.00 - 17.00					

* Maximum unless otherwise indicated

TECHNICAL INFORMATION

TOLERANCES

PERMISSIBLE VARIATION IN SIZE OF COLD FINISHED ROUND BARS

Specified Size, in (mm)	Permissible Variation from Specified Size in (mm)	
	Over	Under
1/16 to 5/16 (1.50 to 8.00) excl.	0.001 (0.03)	0.001 (0.03)
5/16 to 1/2 (8.00 to 13.00) excl.	0.0015 (0.04)	0.0015 (0.04)
1/2 to 1 (13.00 to 25.00) excl.	0.002 (0.05)	0.002 (0.05)
1 to 1 1/2 (25.00 to 38.00) excl.	0.0025 (0.06)	0.0025 (0.06)
1 1/2 to 4 (38.00 to 100.00) excl.	0.003 (0.08)	0.003(0.08)

PERMISSIBLE VARIATION IN SIZE OF COLD FINISHED HEXAGONAL AND SQUARE BARS

Specified Size, in (mm)	Permissible Variation from Specified Size in (mm)	
	Over	Under
1/8 to 5/16 (2.50 to 8.00) excl.	0	0.002 (0.05)
5/16 to 1/2 (8.00 to 13.00) excl.	0	0.003 (0.08)
1/2 to 1 (13.00 to 25.00) incl.	0	0.004 (0.10)
Over to 2 (25.00 to 50.00) incl.	0	0.006 (0.15)
Over 2 to 3 (50.00 to 75.00) incl.	0	0.008 (0.20)
Over 3 (75.00 mm)	0	0.010 (0.25)

DIN TOLERANCE

Size range	h7	h8	h9	h10	h11
3.00-6.00 mm	0.00 / -0.012	0.00 / -0.018	0.00 / -0.030	0.00 / -0.048	0.00 / -0.075
6.01-10.00 mm	0.00 / -0.015	0.00 / -0.022	0.00 / -0.036	0.00 / -0.058	0.00 / -0.090
10.01-18.00 mm	0.00 / -0.018	0.00 / -0.027	0.00 / -0.043	0.00 / -0.070	0.00 / -0.110
18.01-30.00 mm	0.00 / -0.021	0.00 / -0.033	0.00 / -0.052	0.00 / -0.084	0.00 / -0.130
30.01-50.00 mm	0.00 / -0.025	0.00 / -0.039	0.00 / -0.062	0.00 / -0.100	0.00 / -0.160
50.01-180.00 mm	0.00 / -0.030	0.00 / -0.046	0.00 / -0.074	0.00 / -0.120	0.00 / -0.190
80.01-120.00 mm	0.00 / -0.035	0.00 / -0.054	0.00 / -0.087	0.00 / -0.140	0.00 / -0.220
120.01-180.00 mm	0.00 / -0.025	0.00 / -0.039	0.00 / -0.062	0.00 / -0.100	0.00 / -0.160

QUALITY

Quality Assurance at PARTH STEEL & ENGG CO. starts with understanding the Customer's Requirements and continues till the customer is completely satisfied with the delivery of products and services. Quality Control procedures are well-defined and thoroughly implemented. We are an **ISO 9001:2015 certified company** and also **PED approved**. We try our best to improve continuously to prevent the recurrence of defects. We believe in a single motto- **#Qualitycomesfirst!**

All the raw materials used for production are of very high quality and standards. We have our own in-house test labs with world-class testing equipment and our quality control team strives relentlessly to assure that there is no compromise on the quality of stainless steel that we deliver. quality encompasses all processes carried out within the organisation right from sourcing raw materials and also including qualified vendors for the supply of spares and consumables that support the final product.

Our team also commits to resources and to creating an environment in which each employee can contribute skills, talents and ideas to a never-ending process of improvement and innovation in all aspects of our business.

HOW DO WE FOCUS ON QUALITY?

- We continuously try to innovate and focus on new product development
- Our team caters to exact specifications as defined by the customers to deliver the products.
- In-house laboratory equipped with relevant testing facilities to deliver products as per applicable national/international/customer requirements.
- Regular updates of the quality systems for the need to check suitability and required modifications for improvement to enhance customer satisfaction.
- Assured mechanical, chemical, metallurgical and physical properties, excellent machinability, dimensional accuracy and defect-free surface of our pretested Bars.
- Each Bright Bar that we supply is guaranteed by Parth Steel & Engg Co's Test Certificate quality.





PARTH
STEEL & ENGG. CO.
Pioneer in Precision Bright Bars
(The Shah Group of Company)



QUALITY POLICY



Parth Steel & Engg Co. is focused on providing products and services that meet and exceed our customer's requirements. We achieve this by developing commitment, training & excellence in our people and continually improving our products and processes. We are **ISO 9001:2015 certified and PED/hEN/EAM, Etc. certified company according to Directive 2014/68/EU.**

Our Company's main objective is to be recognized nationally and globally and to focus on customer satisfaction at the highest level by providing High-Quality products and services.

By setting and checking high-quality objectives and adhering to all laws and regulations, Parth Steel & Engg Co. is dedicated to producing high-quality products and services in safe and healthy culture and environment for its employees, customers, suppliers and mainly the society. Time deliveries with proper packaging and inspection and proper test certifications per industry standards are provided to the customers.

PRINCIPLES OF OUR QUALITY POLICY

- Continuously improve the effectiveness of the Quality Management System
- Building and maintaining excellent systems to ensure the safety of our Team
- Quality comes first and it is a shared responsibility
- Putting customers at the heart of our business
- Adapt to the changing technologies and innovations and use them for the maximum benefit of our organization

PANKAJ SANGHVI
(MANAGING DIRECTOR)

PACKING

At **Parth Steel & Engg Co.** we take immense care of all our materials so that it reaches our customers in the same condition and quality that we made when we dispatched them. For this, we conduct severe inspections and quality checks and then pack the materials as per the demand of our esteemed customers. All the materials are packed in **High-Density Polythene Sheets** so that there are no defects in the surface during handling or transportation. The bars are **first strapped by sig-node-straps**, bundled in thin **plastic sheets** and thereafter wrapped in **HDPE** thus giving dual protection to the material. The material is packed in **bundles of 500 / 1000 kgs (1100/2200 lbs)**. For small sizes, the material is tied up with **wooden batons** and then wrapped in HDPE so as to maintain the straightness of the bars.

Besides the above standard packing, we also supply material in the following packing as per specific requirement of the customer:-

- **Tubing/casing of each bar in plastic foil (popularly known as Tube Packing) and then such bars wrapped together in HDPE bundles. This packing is provided for sizes above 12mm in diameter.**
- **Several rubber/plastic 'O' rings are inserted in each bar to avoid surface dents and scratches generated from bar-to-bar contact during the transition. This packing is provided for sizes above 12mm in diameter.**
- **Two strong material lifting straps are wrapped around bundles of about 1000 kg so that unloading the bundles is easy from box containers.**
- **Wooden box packing**



CONTACT DETAILS



Office Address: 89/91 P.S. Ram Mandir Marg, 4th Kumbharwada Lane, Mumbai-400 004.



Email Id: accounts@parthsteel.com / sales@parthsteel.com



Phone No: 022-66109851 | 022-66109852 | 022-67496192



Factory Address : S.No.5, Gut No 36/9, H.No.9, Gut No.39/a/20, H.No.20, Gut No.39/A/21, H.No.21, Gut No.36/3, Village-Kadivali, Wada, Palghar, Mah-421303



GST No : 27AAIFP9956E1ZQ

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COMPANY
BROCHURE



CORPORATE
PRESENTATION

SCAN ME



**JUST CLICK/TAP ON THE ICON OR
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STEEL & ENGG. CO.
Pioneer in Precision Bright Bars
(The Shah Group of Company)



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