



BARS | WIRES | WELDING WIRES | HEX SQUARES

A photograph of numerous stainless steel bright bars stacked in a pyramid shape. The bars are arranged in a grid pattern, with the top row having one bar, the second row two bars, and so on, forming a triangular stack. The bars are highly reflective and have a brushed metal finish. The background is a dark purple gradient with a pattern of overlapping circles.

Stainless Steel  
**BRIGHT BARS**



# Company Profile

## The Journey of Sanghvi Impex

Branched out from its domestic trading division, in 1990, Sanghvi's started production of stainless steel bars & wires primarily focusing on export market. Sanghvi's production facility & sales office are located in Khopoli, about 80 kms from Mumbai, the commercial capital of India.

Sanghvi currently exports to more than 50 countries and have made a successful footprint globally with its impeccable quality and service. Our success is driven by our people and their commitment to get results the right way - by operating responsibly, executing with excellence, applying innovative technologies and capturing new opportunities for profitable growth.

Sanghvi supplies materials for a large number of applications used in aerospace, agricultural, automotive, consumer? Construction/Buildings energy, food, industrial, medical, marine, oil & gas, paper, railways, ship building etc. The effective quality management system complaint to ISO and IATF standards, Sanghvi holds a number of customer and product approvals as a testimonial for its high quality products.

We ensure that the returns are effectively invested back for improving production facility and welfare of the people working with us. We strive for continual improvement in the quality of products, competitiveness and service level to customers.



World Class  
**BRIGHT BARS**  
Manufacturing  
Facility



# Corporate Social Responsibility



Employee are our greatest asset.  
They are an integral part of company's mission

- **Healthy & Safe Working Environment • Training • Positive Work Atmosphere • Opportunity to Learn & Grow**

Environmental protection is one of the key factors in Venus' company policy. We exhibit it by our participation in various programs to reduce pollution and industrial waste.

- **Participation in Green Energy Programs • Effective Waste Management • Energy Management Programs**

Sanghvi has always demonstrated its endless commitment towards the society in which it operates. Whether it is in the matter of business transparency or creating sustainable employments, Sanghvi has always put its best efforts.

- **Improving Regulatory Compliance • Engagement in Fair & Responsible Trade.**





# Round Bar Grade

AISI	W.Nr.	BS	JIS	UNS
202	1.4373		SUS202	S20200
204Cu	1.4597			S20430
302	1.4310	302S31	SUS302	S30200
302HQ	1.4567			
303	1.4305	303S31	SUS303	S30300
303Cu	1.4570		SUS303Cu	S30330
304	1.4301	304S31	SUS304	S30400
304Cu	1.4567		SUSXM7	S30430
304L	1.4307		SUS304L	S30403
304H	1.4948	304S51		S30409
304N	1.4315		SUS304N1	S30451
305	1.4303	305S19	SUS305	S30500
309	1.4828	309S24	SUS309	S30900
309S	1.4833			
310	1.4845			S31000
310S	1.4842	310S16	SUS310S	S31008
314	1.4841			S31400
316	1.4401	316S31	SUS316	S31600
316L	1.4404	316S11	SUS316L	S31603
316Ti	1.4571	320S31	SUS316Ti	S31635
321	1.4541	321S31	SUS321	S32100
329	1.4460			S32900
2205	1.4462	318S13	SUS329J3L	S31803
2304	1.4362			S32304
409/409Ti	1.4512			S40900
409Ni Modified				
410	1.4006	410S21	SUS410	S41000
416	1.4005		SUS416	S41600
420	1.4021	420S29	SUS420J1	S42000
420C	1.4034			
420B	1.4028	420S45	SUS420J2	S42020
430	1.4016	430S17	SUS430	S43000
430FLP	1.4104			
430LNbTi	1.4509			
430F	1.4104		SUS430F	S43020
430LNb	1.4511		SUS430J1L	
431	1.4057	431S29	SUS431	S43100
440B	1.4122			S44003
446	1.4762			
630	1.4542		SUS630	S17400

0200 303Cu SUS430J1L **305** SUS304 410 SUS316Ti  
 409 **303S31** 316Ti 316 **S30403** SUS420J1 **S31008**



## Certificates and System Qualifications

ISO 9001:2015

ISO 14001 :2015

OHSAS 18001:2007 (ISO 45001:2017)

AD 2000 - Merkblatt W0

PED - AD 2000 TRP 1000

IATF 16949 : 2016

NORSOK M - 650

CPD

ISO/IEC 170205(NABL)

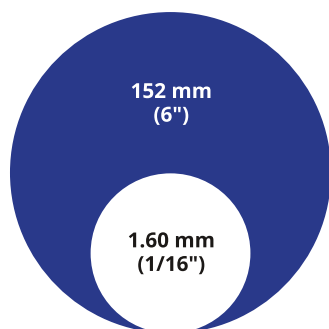


## Alloys (AISI/W.Nr.)\*

<b>AISI</b>	301	303	304	304L	321	316	316L	316Ti	310	403			
<b>W. Nr.</b>	1.4310	1.4305	1.4301	1.4307	1.4541	1.4401	1.4404	1.4571	1.4845	1.4003			
<b>AISI</b>	409	410	415	416	420	420F	430	430F	430LNB	431	440	630	2205
<b>W. Nr.</b>	1.4512	1.4006	1.4418	1.4005	1.4021	1.4029	1.4016	1.4104	1.4511	1.4057	1.4112	1.4542	1.4462
					1.4028			1.4105					
					1.4034								

- i) \*Equivalent DIN / AFNOR / B.S / JIS / GOST / UNI grades are supplied.
- ii) Customized chemistries are available to best suit your applications.
- iii) Other grades are available on request.

**Size Range : Diameter**



**Length :**

Upto 8.2 meters  
(27' max.)

**Diameter Tolerance:**

ASTM A484

ISO 286 - e6, f5, f6, f7, f8

g5, g6, g7, g8,

h6, h7, h8, h9, h10, h11, h12,

j6, k10, k11, k12, k13



# Quality Control

Sanghvi has top class quality lab certified by NABL with latest equipments to provide its customer with high quality products.

We are equipped to conduct the following tests / Inspections

UTS	Hardness	Impact Energy
Surface Roughness	Ultra Sonic	Magna-flux
Eddy Current	Micro Structure	Radioactive Contamination
Corrosion Testing (Salt Spray Testing)	Spectro Analysis	IGC



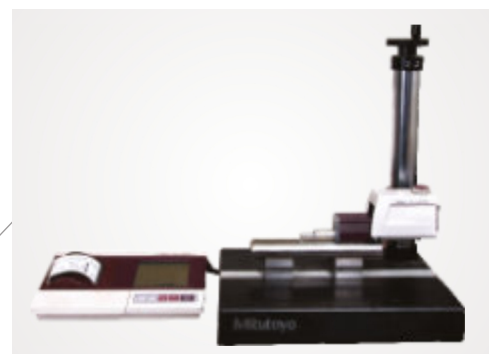
Hysteris Loop Tracer



Spectro Meter



Profile Projector

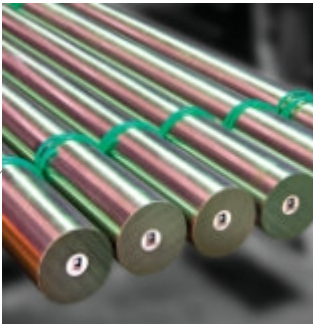


Surface Roughness Tester



# Packaging

- ▲ In Bundles of 500 - 1000 kgs. (1000-2000 Lbs.) covered with HDPE.
- ▲ In wooden boxes (complying ISPM - 15 standards) 500 - 1000 kgs. (1000-2000 Lbs.) with lifting belts.
- ▲ Wrapped with rust preventive paper for selected grades.
- ▲ Bars are collared to protect finish.
- ▲ Customized Packaging available.
- ▲ Bars are also offered in Fiber tube packing,



Rings are used for better protection



Color Coded



Bars wrapped in moisture absorbing paper



Packed in Wooden Boxes



Straps provided for easy lifting with fork lift



Boxes stacked & labels provided for easy identification



Fiber Tube Packaging

Sanghvi provides a number of packaging options to best suit the logistics, storage & statutory requirement.



 Sanghvi Impex

We deliver  
**GREATER  
VALUE**



# Round Bars

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## **300 Series**

Solution Annealed

Strain Hardened

## **400 Series**

Annealed

Magnetic Annealed (Solenoid Quality)

Quenched + Tempered

Quenched + Double Tempered

## **630**

Solution Annealed

H900 / H925 / H1025 / H1075 / H1100

H1150 / H1150D / H1150M

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## **Supply Condition**

Cold Drawn

Cold Drawn, Center less Ground & Polished

Strain Hardened

Peeled & Polished

Peeled, Center less Ground & Polished

Smooth Turned & Polished

Rough Turned & Polished

Solenoid Quality

Bolting Material for high temperature & Pressure application as per ASTM 193A / 193M

Annealed - B8, B8A, B8M (Class-1)

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# Industry Segments

Sanghvi Bright bars are used in various industrial segments for highly critical applications



Aerospace



Energy



Oil & Gas



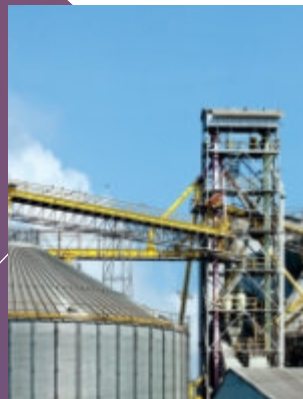
Medical



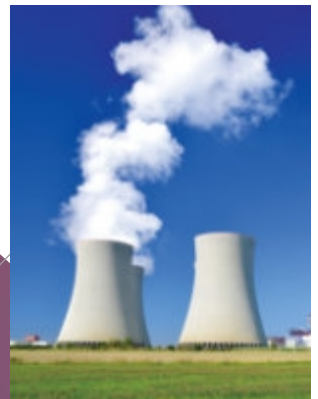
Automotive



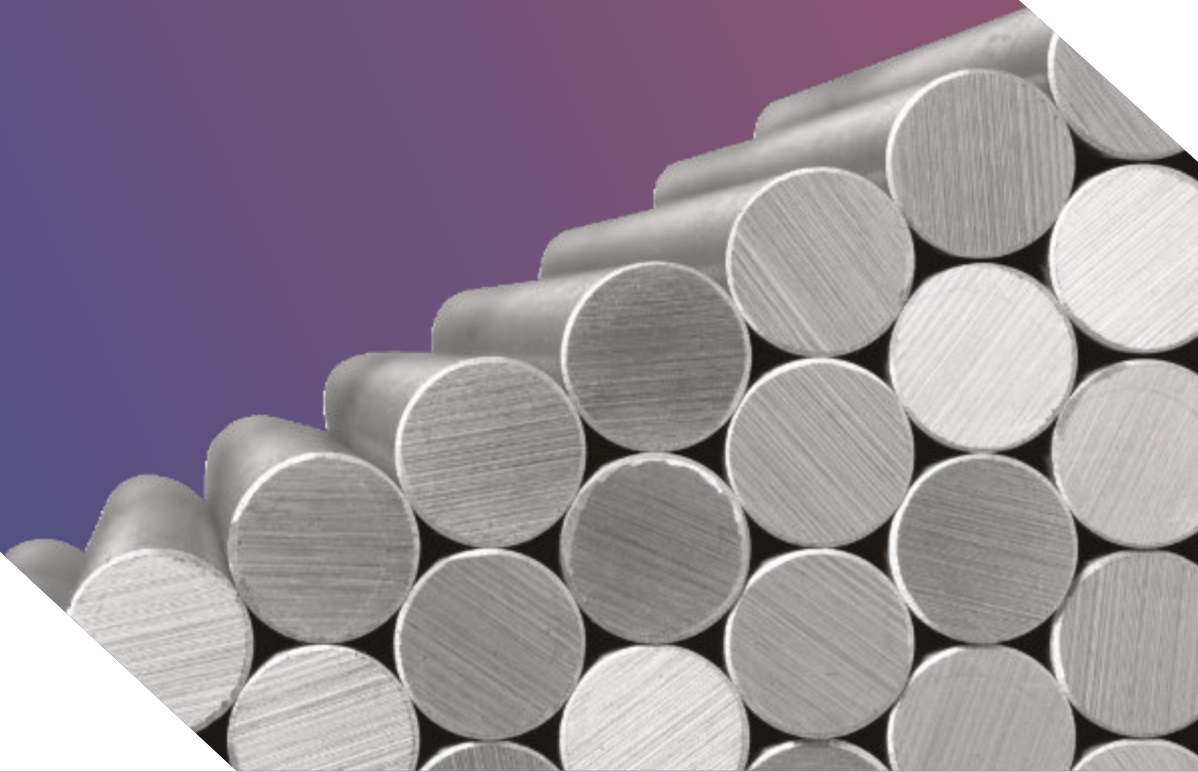
Pump Shafts



Food & Agriculture



Nuclear





# Hexagon & Square Bars

<b>AISI</b>	303	304	304L	316	316L	316Ti	403	410	416	430F
<b>W. Nr.</b>	1.4305	1.4301	1.4307	1.4401	1.4404	1.4571	1.4000	1.4006	1.4005	1.4104

- i) \*Equivalent DIN / AFNOR / B.S / JIS / GOST / UNI grades are supplied.
- ii) Customized chemistries are available to best suit your applications.

## Heat Treatment:

300/400 Series  
Annealed

## Supply Condition:

Cold Drawn & Polished

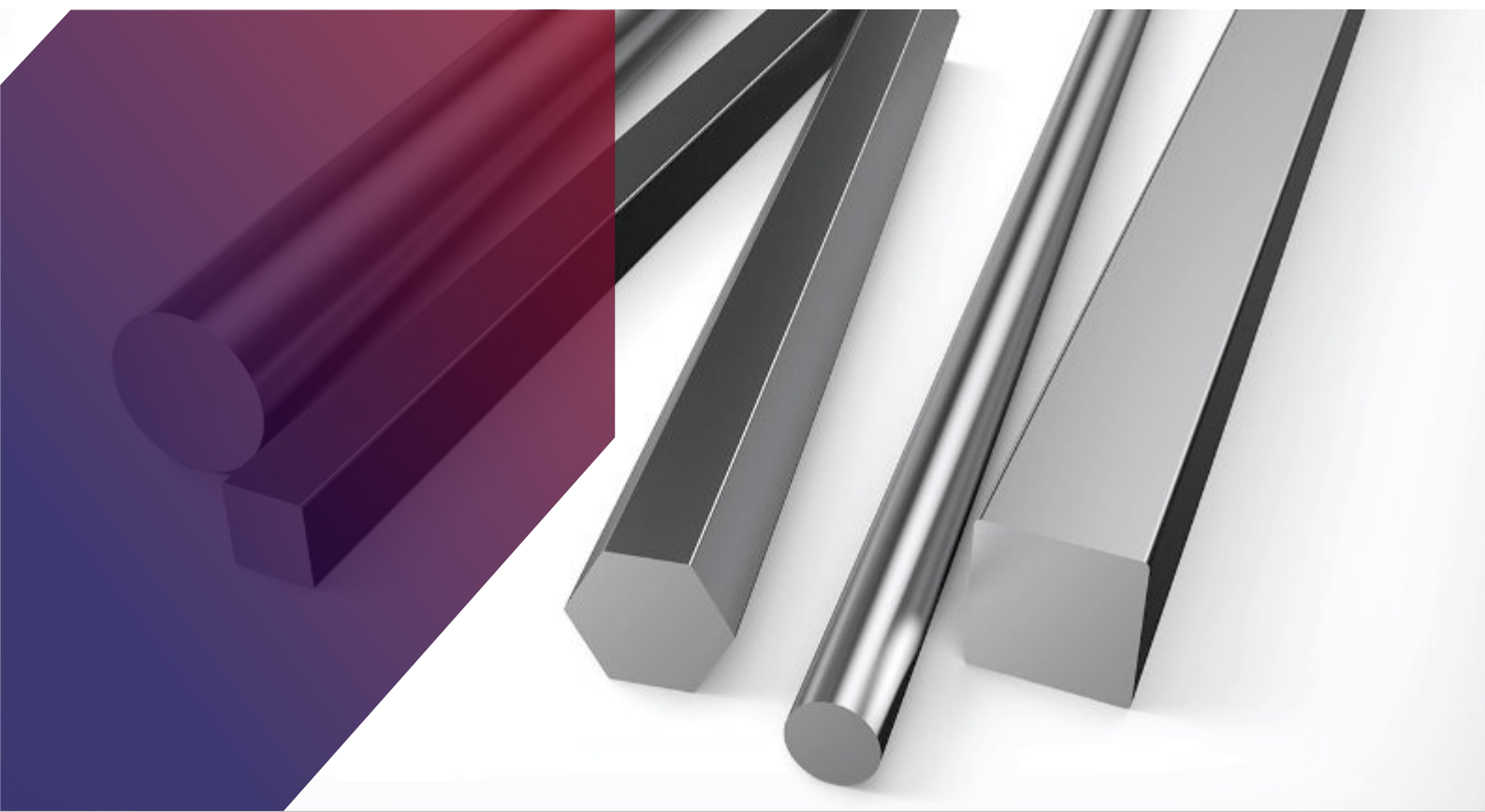
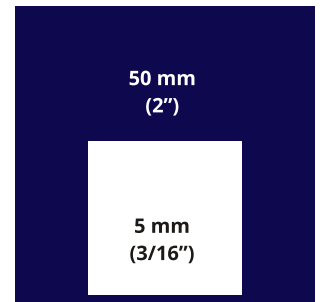
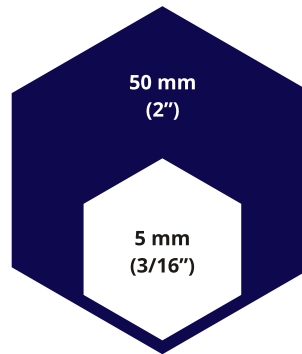
## Diameter Tolerance:

ASTM A 484 / ISO h11 / ISO k12

## Length:

Upto 6 meters max.  
(20" max.)

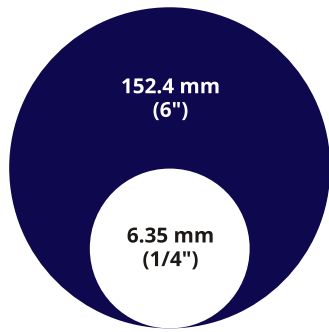
## Size Range: Diameter





**AISI630 / 17-4 PH/1.4542**  
**XM - 12 (15-5PH)**

**Size Range:** Diameter

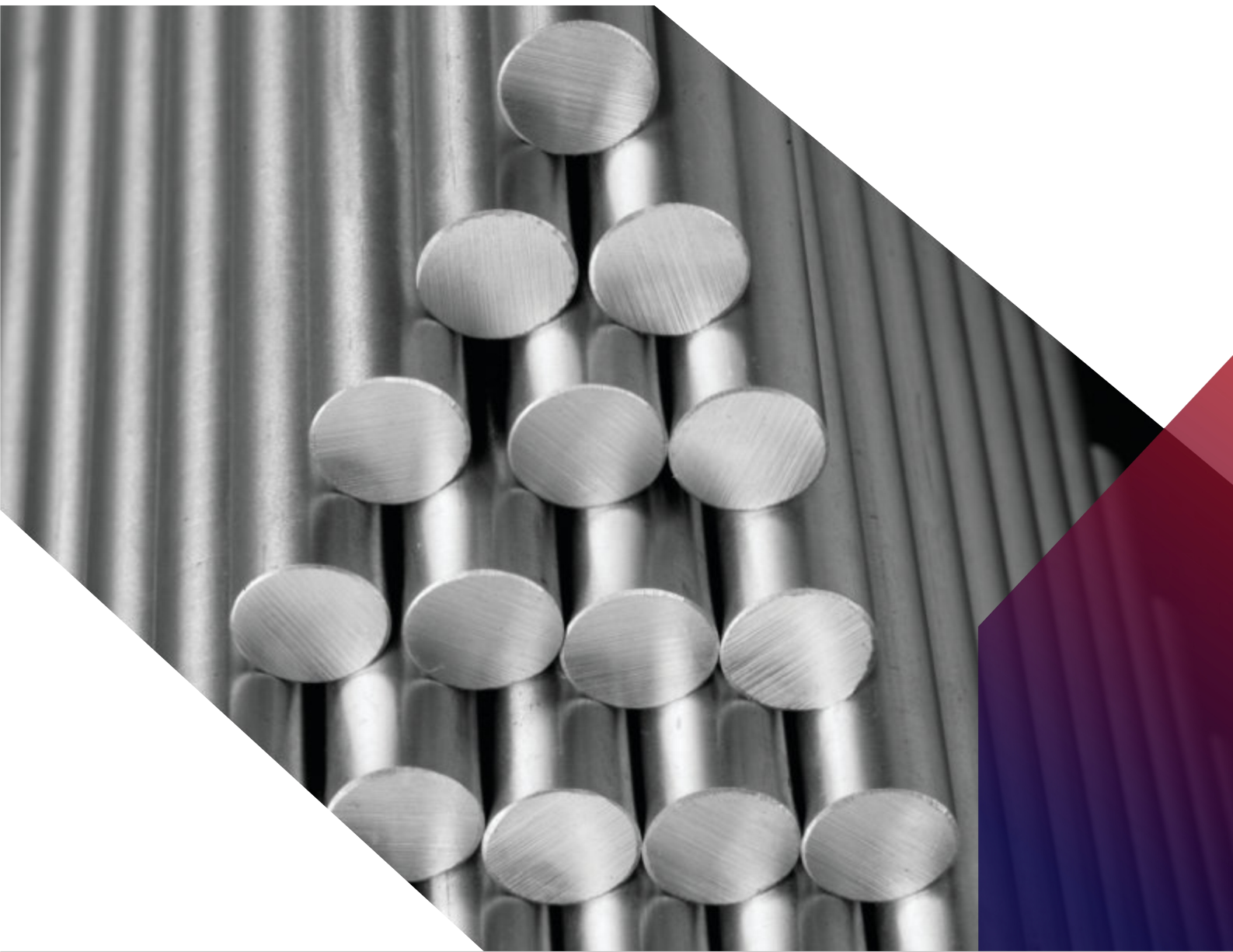


### **Area of Applications**

- Oil Field Applications
- Aircraft Fittings
- Pump Shafts
- Reactor Components
- Aircraft Engine Parts
- Mill Equipments and many more...

### **Heat Treatments**

- Solution Annealed
- H 900 / H925 / H1025 / H1075/  
H1100 / H 1150 / H1150 D / H 1150 M
- Custom Aged Conditions
- Tested to Customized Conditions
- High Impact Strength
- In-compliance with NACE, API, SAE, AMS,  
ASTM, MIL, EN10088-3 Standards



AISI	W. Nr.	Applications
303	1.4305	Shafts, Valves, Valve stems and fittings, machine components, Components for fuel injection systems, electrical switch gear components, nuts and bolts.
304/304L	1.4301/1.4307	Food processing, dairy, various industrial components
310	1.4845	High temperature applications
316/316L	1.4401/1.4404	High corrosion resistance applications. Oil field parts
316Ti	1.4571	High corrosion resistance at moderate temperature applications, brewery equipments etc.
321	1.4541	Aeronautical application, automotive exhaust manifolds, expansion joints, high temperature chemical processing equipments
630	1.4542	Oil field valve parts, high strength fastener, pump shafts, nuclear reactor components, chemical process equipments, pharmaceutical equipments
409Cb	1.4512	Muffler hanger, automotive components
410	1.4006	Valves, fasteners, shaft, pump parts, petrochemical equipments, machine parts, cutlery, true tuff
416	1.4005	Pump Shafts, Valve Stems, Gun Barrel
420	1.4021	Cutlery, Surgical instruments, shafts, X-mas tree equipments, controlled valve
420	1.4028	Shafts, Machined components for various industrial applications, controlled valve
430F	1.4104	Pump Shafts, piston shafts
430LNb	1.4511	Exhaust System, Sensor parts
430F	1.4104/1.4105	Solenoid valves
431	1.4057	Aircraft components, pump shafts, valve stems, Threaded Bushings
-	1.4122	Automated Industry, pump shafts, cutting tools, Food & beverage Industry, building Industry, Linear shafts
415	1.4418	Automotive Fuel pump parts



**INNOVATIVE &  
HIGH-VALUE**  
products



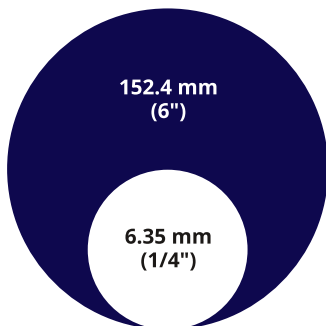
**PNEUMATIC CYLINDER | PUMP SHAFT | PRECISION GROUND | MIRROR POLISHED**

**Alloys (AISI/W.Nr.)\***

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**Size Range : Diameter**

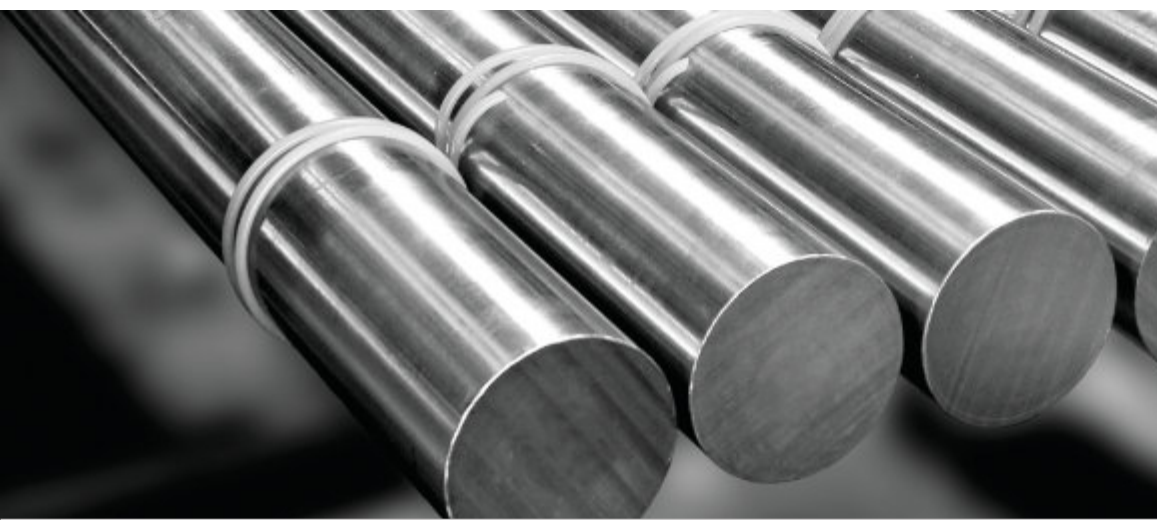


**Diameter Tolerance:**

ASTM A484  
 ISO - e6, f7, f8, h6, h7,  
 h8, h9, h10, h12,  
 j6, k11, k12, k13,

**Salient Features:**

- Precision straightened bars
- Mirror finish
- Level 1 automated heat treatment process with SCADA control
- Precision tolerance
- Round Bars | Hex | Square
- Close length tolerance
- MPI tested
- Automated Eddy current, ultrasonic tested
- Unique packaging
- Complaint to all major international specifications
- Chamfering as per customer requirement
- Improved machinability





## FREE MACHINING GRADES

### Alloys (AISI/W.Nr.)\*

<b>AISI</b>	303	416	430F
<b>W. Nr.</b>	1.4305	1.4005	1.4104
			1.4105

- i) \*Equivalent DIN / B.S / JIS / GOST / UNI grades are supplied.  
ii) Customized chemistries are available to best suit your applications.

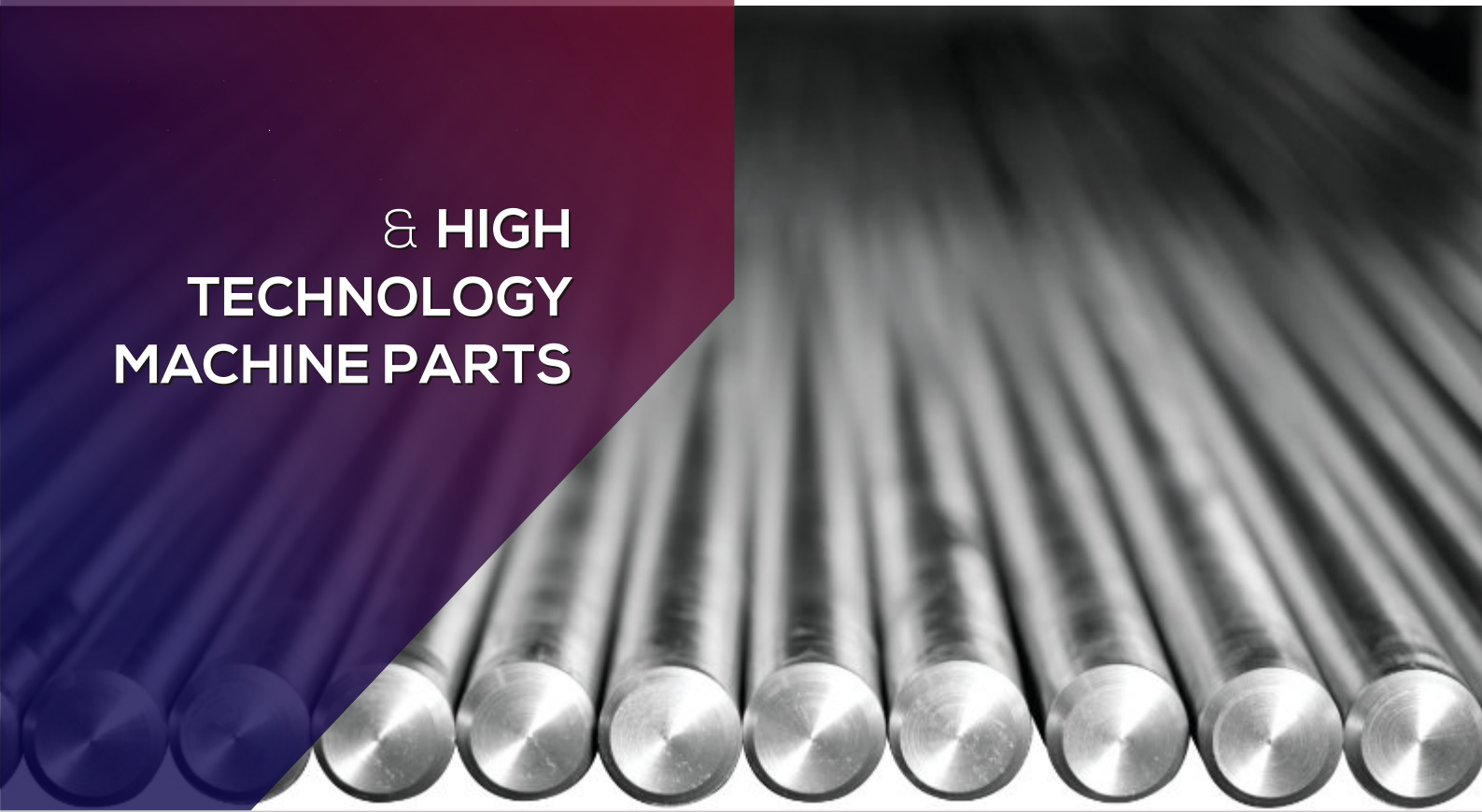
### Accuracy Stock & Bearing Size

Precision straightened,  
close tolerance ground & polished bars  
Packed in fiber tubes ENet packing to protect finish  
Close length tolerance  
Mirror finish

### Features

Empowered  
by innovation  
Longer tool life  
Higher cutting speed  
Excellent surface finish

& HIGH  
TECHNOLOGY  
MACHINE PARTS



Exports  
Worldwide



Your Premier Partner in Stainless and Duplex Steel Solutions.

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