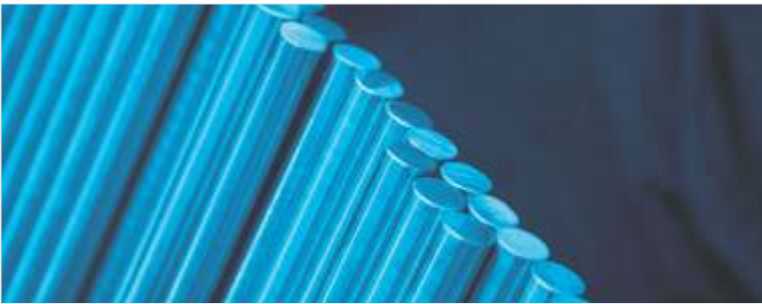


# BRIGHT BAR



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# BRIGHT BAR DIVISION

- Production capacity : 15000 MT p.a.
- Round, Hexagon & Square bars in various sizes
- In-house heat treatment, solution annealing, hardening and tempering, pickling, straightening, peeling, drawing, centerless grinding, polishing & buffing facilities

## PRODUCTS RANGE

### Cold Drawn Bars

Shapes	Size Range (mm)	Size Range (inch)	Tolerance
Round	2 to 25	3/32" to 1"	as per request
Hexagon	5 to 50	3/16" to 2"	H11
Square	4 to 50	3/16" to 2"	H11

### Smooth Turned & Polished

Shapes	Size Range (mm)	Size Range (inch)	Tolerance
Round	18 to 130	11/16" to 5"	as per request

### Centerless Ground

Shapes	Size Range (mm)	Size Range (inch)	Surface RMS
Round	6 to 130	1/4" to 5"	Ra 30-40 micro inch

### Centerless Ground & Polished

Shapes	Size Range (mm)	Size Range (inch)	Surface RMS
Round	6 to 130	1/4" to 5"	Ra 12-10 micro inch

## Grades

AISI : CSL01(Ni.1%), CSL 02(Ni.4%), 301, 302, 303, 304/304L, 316/316L, 309S, 310, 310S, 316Ti, 317, 347, 321, 321H, 410, 416, 420, 430, 430F, 431, 17-4PH, Duplex, 31803, 2205, F51,

DIN : WNR 1.4310, WNR 1.4319, WNR 1.4305, WNR 1.4301, WNR 1.4306, WNR 1.4307, WNR 1.4401, WNR 1.4404, WNR 1.4841, WNR 1.4845, WNR 1.4571, WNR 1.4449, WNR 1.4438, WNR 1.4550, WNR 1.4541, WNR 1.4878, WNR 1.4006, WNR 1.4005, WNR 1.4021, WNR 1.4016, WNR 1.4104, WNR 1.4362, WNR 1.4057, WNR 1.4542, WNR 1.4462

Materials also available in Special Calcium treated & high sulphur finished conditions for Improved Machining.

## Supply Conditions

- Annealed/Solution Annealed
- Hardened & Tempered
- Strain Hardened
- Centerless Ground
- Centerless Ground & Polished
- Cold Drawn
- Smooth Turned & Polished
- Forged & Rough Turned
- Buffed (Mirror finish)
- Ultrasonically tested

## Testing Facilities

- Ultrasonic testing machines with continuous bar feeding facility
- High precision digital laser micrometers
- Eddy current testing
- Surface roughness testing
- Radiation servo meter
- Tensile testing
- Impact testing
- Hardness testing
- Image analyzer microscope with micro photo facilities
- IGC testing
- PMI testing

## Specifications

- ASTM, ASME, AISI, AMS, AFNOR, QQS, B.S, JIS, DIN, MILS and NACE

## Certifications & Approvals

- ISO 9001-2000 , AD 2000 Merkblatt, Pressure Equipment Directive - PED 97/23/EC approved & certified

## Packing

- Products are packed in 500-1000 kgs bundles, wrapped in HDPE/Hessian cloth marked with specifications inserted / sea worthy packaging.

## Delivery Period

- Shipment in 8-10 weeks ( Ex-mill ) or as per special instructions by the customer.

