

TURNED & POLISHED

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Turn'ing Don't worry about hot roll scale and other surface imperfections, turning will take care of them! As well as give you the precision expected in a cold finished bar!

Polish'ing Additional processing smooths surface for a polished finish! Polishing also enhances the already precise tolerances of turning, perfecting shape and straightness!

BENEFITS

Any steel chemistry can be Turned & Polished.

Process has minimal effects on mechanical properties of the original hot roll metal.

Recommended surface removal is done for you, which reduces unnecessary machining for surface critical finished parts.

Provides dimensional tolerances less than half that of standard hot rolled bar product.

CAPABILITIES

| Size (inches) | Tolerance (inches) |
|--------------------|--------------------|
| 1.000 – 1.500 | (+0 / -0.002) |
| Over 1.500 – 2.500 | (+0 / -0.003) |
| Over 2.500 – 4.000 | (+0 / -0.004) |
| Over 4.000 – 4.500 | (+0 / -0.005) |

**Based on low carbon (1018) steel.
Additional (-0.001") for high carbon and alloy.**

Lengths: 10ft min. to 26ft max.
(+1" / -0") tolerance.

TYPICAL APPLICATIONS

Cold Forming / Forging: Diameter and straightness control will reduce waste and improve efficiency. Improved surface quality for cold forging, forming and even machined parts.

Pump & Motor Shafts: Tighter diameter and straightness tolerances for improved diameter control through heat treating processes.