

# Tapered Rollers

A tapered roller is a conical-shaped bearing that can handle both radial and axial loads, offering high load capacity. Its apex is centered in the bearing and guided by the inner ring to distribute the load. These rollers are commonly used in automobiles, wind turbines, railways, and machinery.



## Size

Outer Diameter(mm) :  $\varnothing 20 \sim \varnothing 35$

Length(mm) : 20~70

Cone Angle ( $^{\circ}$ ) :  $2^{\circ} \sim 8^{\circ}$

(Sizes beyond the range require discussion.)

## Precision

Outer Diameter Tolerance(mm) :  $\pm 0.05$

Diameter Roundness(mm) : 0.05~0.06

Radius Roundness(mm) : 0.03

Surface Roughness S(mm) : 15~25

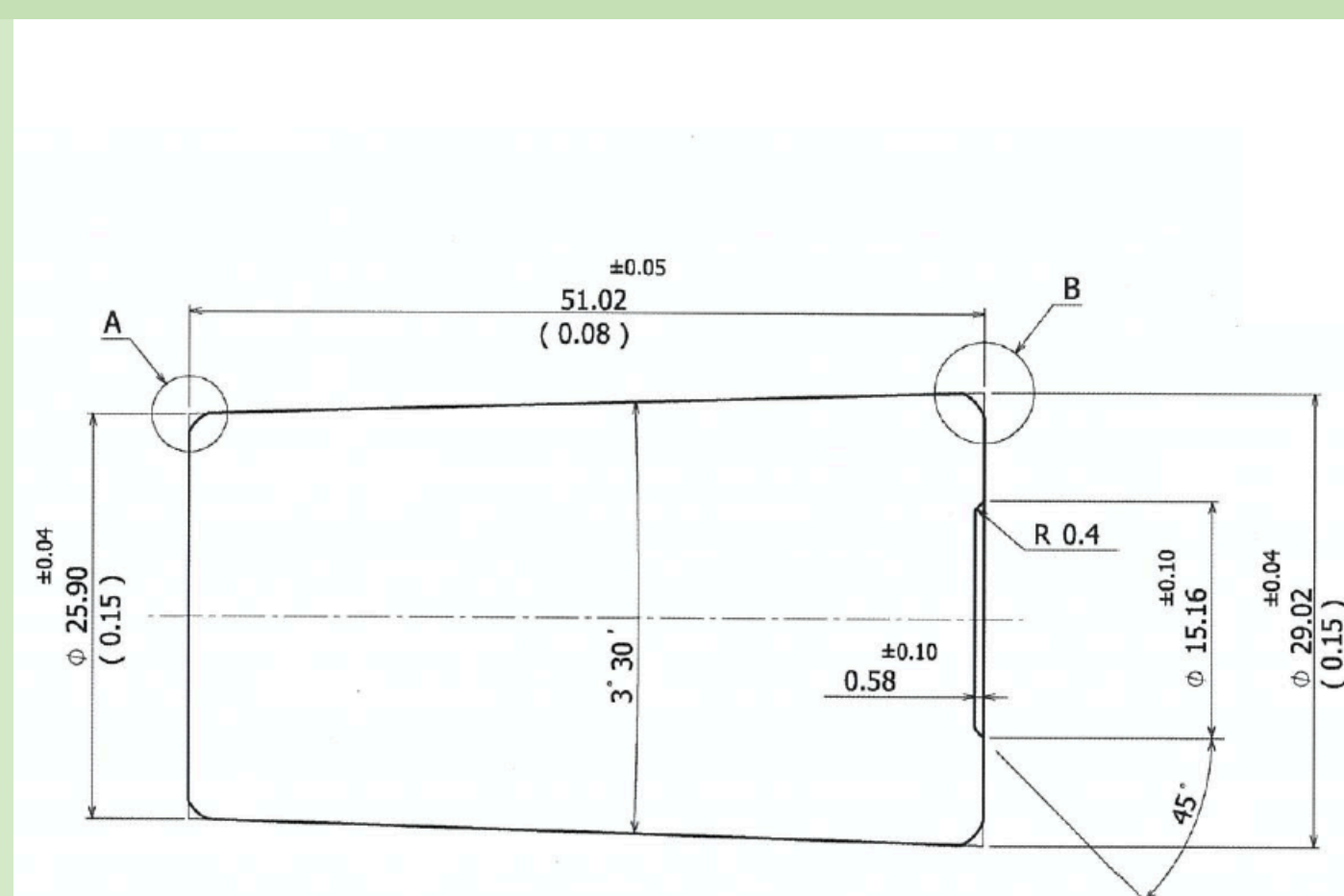
## Materials & Process

Materials : SUJ-2•3, Carburizing

Process : Milling

Production: 200K/month

Certification: ISO 9001 Certified





# Manufacturing Process — Milling

## MATERIAL MANAGEMENT

Organize and manage materials per each spec to ensure sufficient supply.



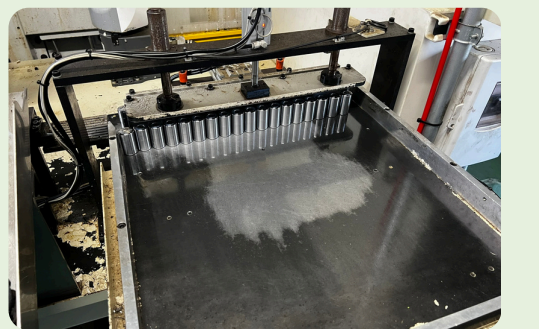
## BAR CUTTING

Cut metal bars to required lengths with clean, even surfaces.



## NC MILLING

Cut and shape materials into spheres, cylinders, or cones using an automatic milling machine, ensuring dimensions meet specifications.



## APPEARANCE INSPECTION

Perform a visual check for defects and package products appropriately.



## SHIPPING INSPECTION

Conduct final checks and prepare products for shipment.

