



**DRILL BUSHING  
FIXTURE AND  
TOOLING  
COMPONENTS**



**UNI-AXIAL**

**WE MAKE WHAT YOU NEED**



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# WE ARE PIONEERS IN MANUFACTURING

and export of Drill Bushing, Tooling components, Alignment pins, Machinery parts to the Automotive industry, Aerospace and Engineering Industries.





## OUR EXPERTISE IS IN MANUFACTURING OF



**HEADLESS PRESS  
FIT DRILL BUSHING**



**RENEWABLE DRILL  
BUSHINGS**



**HANDLE BUSHINGS**



**ALIGNMENT PINS**



**DIN ISO DRILL  
BUSHINGS**



**DOWEL PINS**



**PULL DOWEL PINS**



**HEADED DRILL  
BUSHINGS**



**KNURLED DRILL  
BUSHINGS**



**METRIC DRILL  
BUSHINGS**



**LOCATION PINS**



**GUN DRILL BUSHINGS**



**ANSI DOWEL PINS**





# OUR COMPANY HAS BEEN SUPPLYING TO THE USA, CANADA AND AUSTRALIA

we are looking forward to expanding our customer base globally.

## FOR ENQUIRIES / ORDER

Please provide ANSI description and quantity or You can provide the dimension of the bush with tolerance and quantity.

## QUALITY STATEMENT

Uniaxial products committed to achieve ever increasing levels of customer satisfaction through continual improvement in quality and product services.



## OUR COMMITMENT :

In order to achieve above Uniaxial products is committed to :

- Comply with all customer requirements
- Continually strive to improve the connect Quality Management System (QMS) to improve effectiveness
- Establish the quality objective at relevant levels and functions within the organization
- Monitor, Review and analyze the quality objectives in planned intervals
- Take appropriate action based on constructive internal and external feedback.
- Six sigma and ISO tools are used for maintaining and improving the process and quality



## MATERIAL SPECIFICATION:

RAW MATERIAL: EN-31 / SAE 52100 Ball Bearing Steel

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HARDNESS: Minimum 650 HV for the items with bore sizes < 0.1181" (3.00 mm) and 60–65 HRC for the remaining items

FINISH: ID will be Ground / Honed and OD will be Ground

PPAP, FMEA, Quality Control plan, and Capacity details will be issued based on the request



# WE DO PROVIDE YOU FREE SAMPLES OF DRILL BUSHING AND FREE SHIPPING TO YOUR DOORSTEP.



## HONING

- Our Sunnen honing machines are purpose built machines which can internally hone a finish to the customer's specifications
- Honing sizes range from 1.5mm diameter right through to 75mm
- We use a variety of different honing stones to suit the type of material being honed and the required finish.
- Honing produces greater accuracy and a finer surface finish than internal grinding, and provides a stress-free base metal surface in the bore.
- We can achieve tolerances as low as +/-0.002mm.

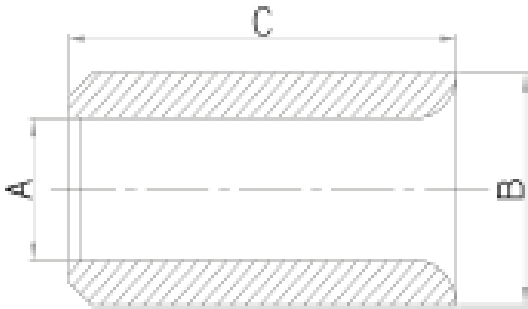


## GRINDING

- At Uni-Axial we have both centreless and cylindrical grinders.
- When making our standard precision finished bushings we firstly hone, then externally grind them on the cylindrical grinder to achieve complete concentricity.
- High accuracy and a superior finish is achieved when grinding. Whether a slide fit or a press fit tolerance is required we're able to achieve all customers requirements



# ORDERING INFORMATION



**Standard Size:**

**Bore Range (A):** From 0.0473 to 2.735

**Bore Tolerance:**

**P**

Bushing Type

**10**

OD in step of 1/64 of an inch Type

**8**

Length in step of 1/16 of an inch

**1/4**

Inside diameter

**Outside Diameter Rang (B):** From 5/32 to 2-3/4

**Outside Diameter Tolerance:** +/- 0.0003

**Overall Length Range (C):** 1/4 to 7/32

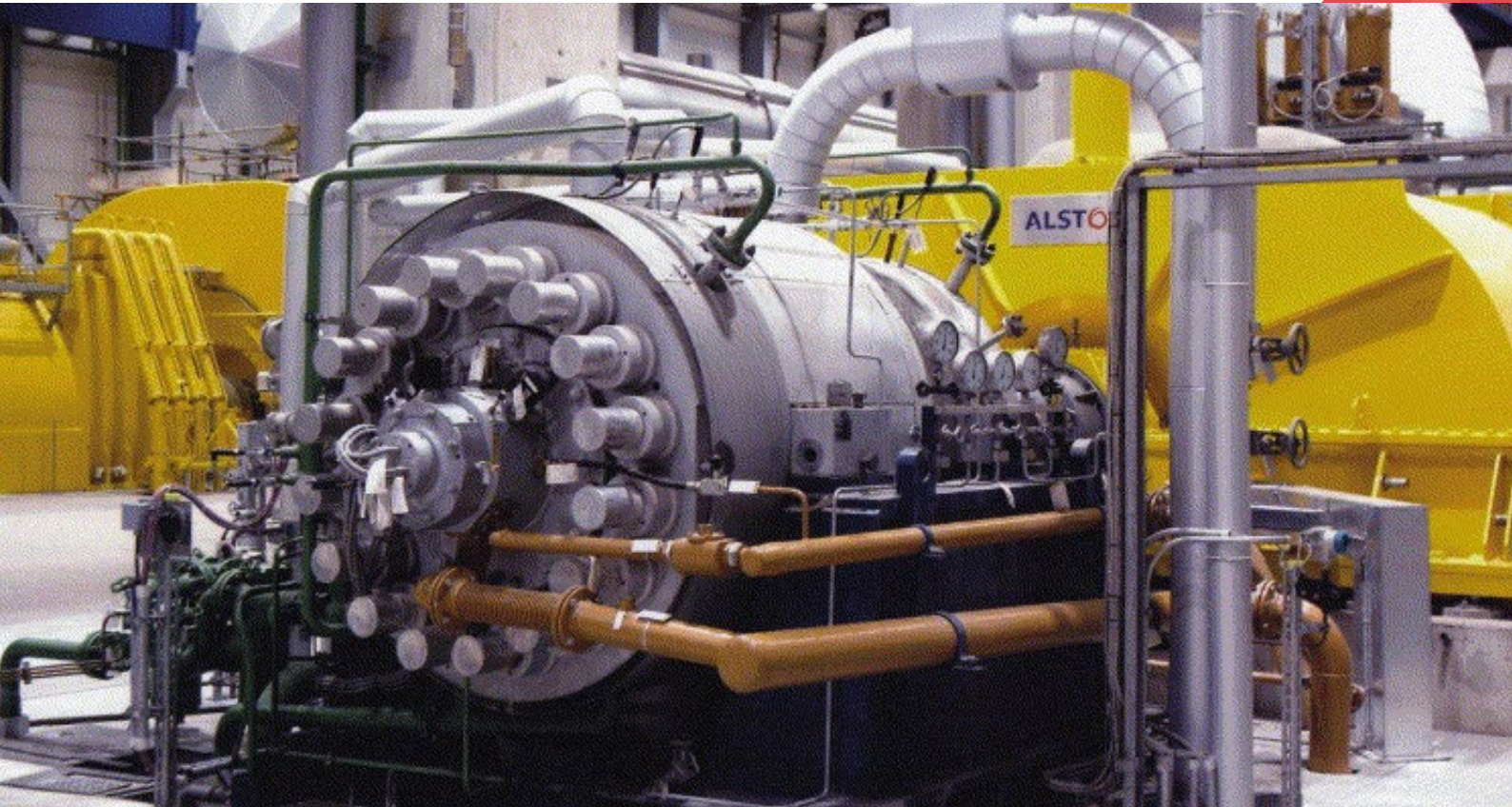
**Collar Diameter (D):** 1/4 to 7/32

Rang	Tolerance
From #80 to 1/4"	+0.0001 +/- 0.0004
Over 1/4" to 3/4"	+0.0001/+0.0005
Over 3/4" to 1-1/2"	+0.0002/+0.0006
Over 1-1/2" to 2-3/4"	+0.0002/+0.0006



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