ROYAL CUSTOM ID WORKHOLDING

Many common ID workholding applications are easily handled by Royal's large inventory of off-the-shelf expanding mandrels and sleeves. However, sometimes the parameters of the workpiece and/or process are such that a custom ID workholding system is a better choice.

In order for Royal's engineering team to make the best recommendation for your specific application, a number of parameters must be considered. If you would like our input on an ID workholding system that is optimized for your needs, please take a minute to consider the information outlined below and provide a solid model or drawing of your part that visually identifies these parameters.

Company Name _____

Contact Name _____

Contact Email _____

Contact Phone _____

Description or Ref Number of Part to be Gripped _____

Typical Run Size _____

Workpiece Material _____

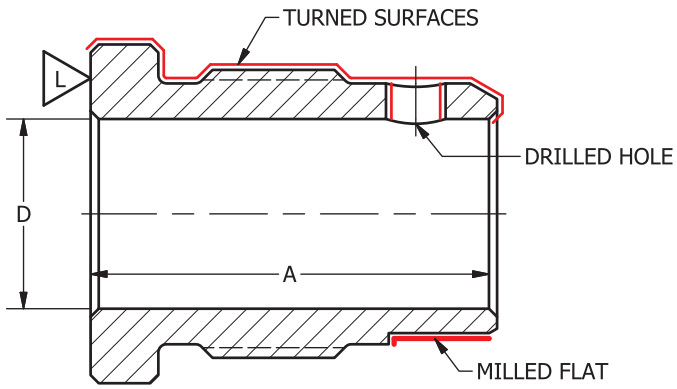
How is part Loaded? _____

Machine Make and Model _____

Orientation – vertical or horizontal? _____

Be sure that your drawing includes the parameters listed below.
The more info you supply – the better we will be able to help you.

Example:



Note that in this example, a cross-drilled hole breaks into the gripping area. Some might assume that this would require the use of a short sleeve. However, an alternative solution could be a full-length sleeve with a clearance hole or slot machined into it.

We've seen it all – give us a call!

_____ Diameter to be gripped, including tolerance (D).

_____ Max bore length available to grip (A).

_____ Blind bore (Y/N)?

_____ Locating surface (L) - if applicable.

_____ Max diameter of machined surfaces.

_____ Max depth of cut.

_____ Max rpm.

Description of machining processes to be performed, tooling clearance requirements, etc.:

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Email this form and your part drawing to orders@royalproducts.com