

Technical drawing of a shaft assembly. The drawing shows a shaft with a threaded section (4-40) and a 45° chamfer. Dimensions and tolerances are specified as follows:

- Top diameter:  $.079$  with tolerances  $+ .000$  and  $- .010$ .
- Threaded section: 4-40.
- Threaded section length:  $.078 \pm .005$ .
- Threaded section diameter:  $3/16$  with tolerances  $+ .010$  and  $- .010$ .
- Chamfer: 45° CHAMFER.
- Shaft length:  $L$ .
- Distance from left end to threaded section:  $SL$ .
- Distance from left end to threaded section:  $.048$ .
- Distance from left end to threaded section:  $.107$  with tolerances  $+ .000$  and  $- .015$ .
- Distance from left end to threaded section:  $.039$  with tolerances  $+ .000$  and  $- .010$ .
- Distance from left end to threaded section:  $\pm .005$  and  $11/64$ .

| Create a part number:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |          |  |        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------|--|--------|
| Length                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  | Material |  | Finish |
| FCXXXX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  | XX       |  | XX     |
| <div style="border-bottom: 1px solid black; height: 20px; margin-bottom: 5px;"></div> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border-bottom: 1px solid black; height: 20px; width: 20%;"></div> <div style="width: 2%;"></div> <div style="border-bottom: 1px solid black; height: 20px; width: 20%;"></div> <div style="width: 2%;"></div> <div style="border-bottom: 1px solid black; height: 20px; width: 20%;"></div> <div style="width: 2%;"></div> <div style="border-bottom: 1px solid black; height: 20px; width: 20%;"></div> </div> |  |          |  |        |

| Material           |    |                 |
|--------------------|----|-----------------|
| Material Code (XX) |    |                 |
|                    | B  | Brass           |
|                    | S  | Steel           |
|                    | SS | Stainless Steel |

**Tolerances**  
**Unless otherwise Specified**  
 .xxx +/- .005  
 .xx +/- .010  
 Angular +/- 1 Degree  
 Linear +/- .005  
**Break all sharp edges**



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