



**ISOSTATIC**  
LEADERS IN BRONZE BEARINGS...and MORE

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## Item # 102085, Oilube® Powdered Metal Bronze SAE841 Flange Bearings - INCH

### Isostatic Oilube® Bearings / Bushings

- Standard stock products
- SAE 841-copper (87-90%), tin (8-9), carbon, other elements
- Powdered metal bronze providing interconnected reservoirs for oil
- Vacuum impregnated with SAE 30 oil during the manufacturing process (approx. 19% by vol.)
- Self-lubricating – when in motion oil rises to the surface for lubrication and restores itself when at rest
- Ideal for heavy loads at moderate speeds or light loads at high speeds – max Pv 50,000, P-Load 2,000, V-SFM-1,200
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[Description](#) | [Specifications](#) | [Dimensions](#) | [Tolerances](#) | [Performance Data](#)

### Description

#### Detailed Description

.625 IN I.D. x .815 IN O.D. x 1 IN Length x 1 IN Flange O.D. x 1/8 IN Flange Thick, SAE 841 Powdered Metal Bronze, Flange Bearing

### Specifications

|                          |   |
|--------------------------|---|
| <b>Catalog Number</b>    | FF-823-3                                |
| <b>Interchange #</b>     | FF082303<br>FF823-3                     |
| <b>Unit of Measure</b>   | Each                                    |
| <b>Material</b>          | Powdered Metal / Oil Impregnated Bronze |
| <b>Material Standard</b> | SAE 841                                 |

|                        |                |
|------------------------|----------------|
| <b>Avg Unit Weight</b> | 0.0573 lb      |
| <b>UPC Code</b>        | 00846802009205 |

### Dimensions

|                                      |          |
|--------------------------------------|----------|
| <b>Nominal Inner Diameter</b>        | 5/8 in   |
| <b>Nominal Outer Diameter</b>        | 13/16 in |
| <b>Nominal Length</b>                | 1 in     |
| <b>Flange Nominal Outer Diameter</b> | 1 in     |
| <b>Flange Nominal Thickness</b>      | 1/8 in   |

### Tolerances

|                                   |                  |
|-----------------------------------|------------------|
| <b>Inner Diameter Tolerance</b>   | +0.000, -.001 in |
| <b>Outside Diameter Tolerance</b> | +0.000, -.001 in |
| <b>Overall Length Tolerance</b>   | ±0.005 in        |
| <b>Flange Diameter Tolerance</b>  | ±0.005 in        |
| <b>Flange Thickness Tolerance</b> | ±0.005 in        |

### Performance Data

|   |                            |
|---|----------------------------|
| <b>Load - P Max Value</b>                             | 2,000 lb/in <sup>2</sup>   |
| <b>Speed - V Max Value</b>                            | 1,200 ft <sup>2</sup> /min |
| <b>Load at Speed - PV Max Value (P.S.I. / S.F.M.)</b> | 50,000                     |