



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

**Isostatic Industries, Inc.**  
4153 North Kostner Avenue  
Chicago, IL 60641  
**Toll Free:** 800.621.5500  
**Phone:** 773.286.3444  
**Fax:** 773.282.3323  
**Email:** [info@isostatic.com](mailto:info@isostatic.com)

## Item # 602313, Oilube® Powdered Metal Bronze SAE841 Flange Bearings - METRIC

### 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

#### Detailed Description

50 MM I.D. x 60 MM O.D. x 40 MM Length x 70 MM Flange O.D. x 5 MM Flange Thick, SAE 841 Powdered Metal Bronze, Flange Bearing, Metric

### Specifications

|                          |                                         |
|--------------------------|-----------------------------------------|
| <b>Catalog Number</b>    | FM-5060-40                              |
| <b>Interchange #</b>     | 50-60x40-70X5                           |
| <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> | 0.5771 lb      |
| <b>UPC Code</b>        | 00846802067526 |

## Dimensions

|                                      |       |
|--------------------------------------|-------|
| <b>Nominal Inner Diameter</b>        | 50 mm |
| <b>Nominal Outer Diameter</b>        | 60 mm |
| <b>Nominal Length</b>                | 40 mm |
| <b>Flange Nominal Outer Diameter</b> | 70 mm |
| <b>Flange Nominal Thickness</b>      | 5 mm  |

## Tolerances

|                                   |                    |
|-----------------------------------|--------------------|
| <b>Inner Diameter Tolerance</b>   | +0.01 to +0.04 mm  |
| <b>Outside Diameter Tolerance</b> | +0.05 to +0.083 mm |
| <b>Overall Length Tolerance</b>   | ±0.19 mm           |
| <b>Flange Diameter Tolerance</b>  | ±0.25 mm           |
| <b>Flange Thickness Tolerance</b> | ±0.13 mm           |

## 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                     |