Graphiting

Any of the standard stock sizes of sleeve (plane) type bronze bearings listed in this catalog are adaptable to grooving and graphiting. A great many different styles of graphiting are available of which the six styles illustrated are the most popular. The depth and width of the groove depend upon the wall thickness, bearing diameter and other factors that may vary with the individual application. Graphite is mechanically forced into the groove under extreme pressure. A film of lubricant is transferred to the shaft as it starts to turn. Graphited bearings are free reaming. Generally speaking, a graphited bearing should be ordered or reamed at assembly, so the I.D. is from .001 to .002" greater than would be needed if ungraphited bearings were being used.

The SKR style graphited bearing is excellent for high temperature applications.

SKR style bearings are available in bore sizes from 5/16" through 3" with tolerances to meet standard or special applications.

Slightly greater than normal running clearances are also required for SKR bearings. When it is necessary to finish the bearing at assembly, total stock removal should not exceed .005". Contact Bunting or your local Authorized Distributor for additional information.

Style 9

Style 5G

Style SKR

Style 7A

Style 10

Plug

Drilling and Oil Grooving
Standard Bearings

Any of the standard bearings or bar stock listed in this catalog can be machined, grooved, graphited, drilled or re-machined in many ways to handle a variety of needs.

Unless otherwise specified, the width and depth of oil grooves will be proportional to the wall thickness and size of bearing, contained within the bearing. Special designs or a combination of standard styles, illustrated below, may be furnished if desired.

In order to form a more perfect oil film between the bearing and shaft, we recommend a V-shaped groove whenever the design permits, as it allows full flow of the lubricant across the bearing surface.

Straight   **Circular**   **Style 1**

Style 2   **Style 3**

Style 4   **Style 5**   **Style 11**