



What are the shaft specifications for bronze bushings?

The shaft diameter should be at nominal to .001 / .002 undersize.

As for hardness and surface finish, the rule is the harder and smoother the longer the bearing life. Cold roll with a light turn or polish to remove scale or other imperfections will work in applications for slow speeds and lighter loads but as you increase either item you will need a harder shaft and smoother. A shaft with a 16 micro finish and 35 Rockwell C or harder will supply you with maximum bearing life.

Recommended running clearance between shaft and bushing is:

Shaft Dia.	Running Clearance
0.050	.0005 / .002
1.00	.001 / .003
1.50	.0015 / .004
2.00	.002 / .005
2.50	.0025 / .006
3.00	.003 / .007
3.50	.0035 / .0075
4.00	.004 / .0085
4.50	.0045 / .009

Let us know if you need more information.

Compiled by Engineering Staff, Sheaves, Inc.

**Sheaves, Inc. 195 Leonard Drive, #5, Groton, CT, 06340
Tel: 8663446774, Fax: 8885440168, sales@eSheaves.com**

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