

WELKER SPA BEARINGS

Developed for high load, low speed applications where lubrication is difficult or impossible. By combining the strength and wear resistance of a high performance bronze alloy with solid lubrication, SPA bearings provide exceptional performance under the most demanding load conditions.

Physical Properties	
Tensile Strength Yield	100,000 PSI
Strength Elongation	55,000 PSI
(% in 2 inches) Brinell	8
Hardness	200
Recommended Shaft Hardness	Rc 50 Min.
Recommended Shaft Finish	8-32 RMS

LUBRICATION

SPA Bearings are designed to reduce or eliminate dependence on wet lubrication. In most high load applications, oil or grease is squeezed out of the area where it is most needed. SPA Bearings contain solid lubricants which remain effective under high load conditions.

It is beneficial to lubricate SPA Bearings at assembly with a lithium based grease to help with break-in. Periodic re-lubrication can help prolong both bearing and shaft life.

PART NUMBER DESIGNATION						
SPA	-	XX	XX	XX	SGG	/ 9C - HT
Bearing Designation		I.D. in 1/16"	O.D. in 1/16"	Length In 1/8"	Solid Lube	Material Designation

I.D. Tolerance: + .0020 to .0030 *over* nominal
 O.D. Tolerance: + .0020 to .0015 *over* nominal
 Minimum wall thickness: 1/8"

TYPICAL APPLICATIONS

TOGGLE MECHANISMS
 DIE COMPONENTS
 PRESS ROOM EQUIPMENT