

Recommended Fits

Table of Recommended Fits*

TYPICAL APPLICATIONS	SHAFT FIT \diamond	SHAFT DIAMETER \diamond	HOUSING FIT \diamond	HOUSING DIAMETER \diamond
Tape guide roller, pulley, cam follower, outer ring rotation	.0000 – .0004L	d – .0002 d – .0004	.0001L – .0003T	D – .0001 D – .0003
Drive motor (spring preload)	.0001T – .0003L	d – .0001 d – .0003	.0000 – .0004L	D +.0002 D – .0000
Precision synchro or servo	.0000 – .0002L*	d – .0001 d – .0003	.0000 – .0002L*	D +.0001 D – .0001
Potentiometer	.0001T – .0003L	d – .0001 d – .0003	.0000 – .0004L	D +.0002 D – .0000
Encoder spindle	.0000 – .0002L*	d – .0001 d – .0003	.0000 – .0002T*	D – .0001 D – .0003

* For Radial Play .0002 to .0005

\diamond Measurement in inches.

L = Loose Fit.

D = Bearing O.D. as listed.

T = Tight Fit.

+ Bearings must be purchased

d = Bearing Bore as listed.

with bore and O.D. coding.

EXAMPLE: To use SSR-2 bearing in a potentiometer, the shaft diameter should be .1250 – .0001 to .1250 – .0003 or .1249 to .1247. The housing should be .3750 +.0002 to .3750 – .0000 or .3752 to .3750.

Table of Recommended Shoulder Diameter*

BASIC SIZE	MINIMUM SHAFT SHOULDER DIAMETER	MAXIMUM HOUSING SHOULDER DIAMETER
SSRI-2	.060	.105
SSRI-2 1/2	.071	.132
SSRI-3	.079	.164
SSRI-4	.102	.226
SSRI-3332	.114	.168
SSRI-5	.122	.284
SSRI-418	.148	.226
SSRI-518	.153	.284
SSRI-618	.153	.347
SSR-2	.179	.325
SSR-2A	.179	.446
SSRI-5532	.180	.288
SSR-1640X	.210	.580
SSRI-5632	.210	.288
SSRI-6632	.216	.347
SSR-3	.244	.446
SSR-1650X	.250	.580
SSR-1950	.250	.700
SSR-1960	.290	.700
SSRI-614	.272	.352

*Measurement in inches.

BASIC SIZE	MINIMUM SHAFT SHOULDER DIAMETER	MAXIMUM HOUSING SHOULDER DIAMETER
SSRI-814	.284	.466
SSR-4	.310	.565
SSRI-1214	.322	.678
SSR-2270	.325	.810
SSR-2280	.370	.810
SSR-2690	.420	.950
SSRI-8516	.347	.466
SSRI-1038	.435	.565
SSRI-1438	.451	.799
SSR-100	.450	.949
SSRI-1212	.560	.690
SSRI-1812	.625	1.025
SSRI-1458	.665	.835
SSRI-1634	.790	.960