

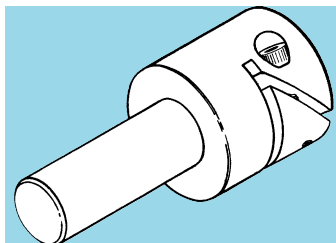
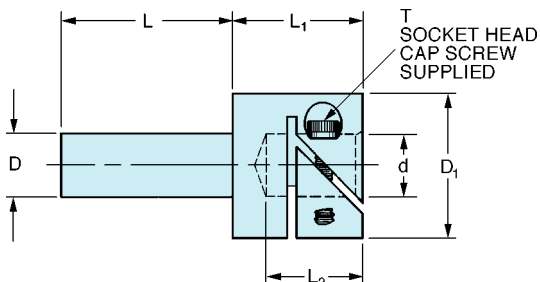
MATERIAL: 303 Stainless Steel

S Precision Component

Catalog Number	Shaft Size		O.D.	B +.0005 -.0000 Bore	C +.0000 -.0002 Diameter	D	F	Screw Size	Clear. Radius
	Female	Male							
S52FCY-120125 S52FCY-120187	.120	1/8 3/16	.437	.1200	.1247 .1872	.375	1/2	#2-56	.273
S52FCY-125125 S52FCY-125187 S52FCY-125250	1/8	1/8 3/16 1/4		.1248	.1247 .1872 .2497				
S52FCY-187125 S52FCY-187187 S52FCY-187250	3/16	1/8 3/16 1/4		.1873	.1247 .1872 .2497				
S52FCY-241125 S52FCY-241187 S52FCY-241250 S52FCY-241375	.2405	1/8 3/16 1/4 3/8		.2405	.1247 .1872 .2497 .3747				
S52FCY-250125 S52FCY-250187 S52FCY-250250 S52FCY-250375	1/4	1/8 3/16 1/4 3/8		.2498	.1247 .1872 .2497 .3747				
S52FCY-375250 S52FCY-375375 S52FCY-375500	3/8	1/4 3/8 1/2	.870	.3748	.2497 .3747 .4997	.563	3/4	#6-32	.495
S52FCY-500375 S52FCY-500500	1/2	3/8 1/2	1.000	.4998	.3747 .4997	.750	1		.552

NOTE: B and C dimensions concentric to within .001 T.I.R.

Fairloc® hubs require controlled shaft tolerances.
Suggested clearance fit between the bore and shaft is .0001/.0008.



MATERIAL: 303 Stainless Steel

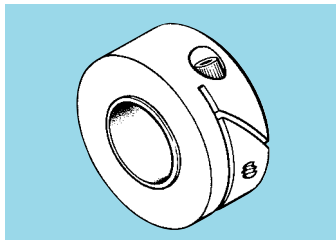
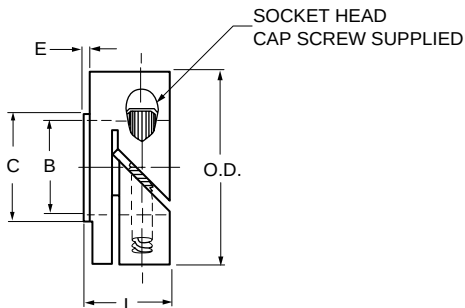
Catalog Number	d* H7	D* g6	D1	L	L1	L2	T	Clear. Radius	Max. Torque N • m
S52FCYM030030 S52FCYM030040 S52FCYM030050	3	3 4 5	11	25	15	9	M2	6.4	0.45
S52FCYM040030 S52FCYM040040 S52FCYM040050	4	3 4 5	14	25	15	9	M2.5	8.3	0.57
S52FCYM050030 S52FCYM050040 S52FCYM050050 S52FCYM050060	5	3 4 5 6	14	25	15	9	M2.5	8.3	0.9
S52FCYM060040 S52FCYM060050 S52FCYM060060 S52FCYM060080 S52FCYM060100	6	4 5 6 8 10	17	25	18	11	M3	11.3	1.3
S52FCYM080050 S52FCYM080060 S52FCYM080080 S52FCYM080100 S52FCYM080120	8	5 6 8 10 12	17	25	18	11	M3	11.3	2.6
S52FCYM100060 S52FCYM100080 S52FCYM100100 S52FCYM100120	10	6 8 10 12	24	30	23	15	M4	14	3.5
S52FCYM120080 S52FCYM120100 S52FCYM120120	12	8 10 12	26	30	26	18	M4	15.1	5.1

*Bore Tolerance (H7):
 3 mm + 0.01
 4, 5 & 6 mm + 0.012
 8 & 10 mm + 0.015
 12 mm + 0.018

Shaft Tolerance (g6):
 3 mm - 0.002/-0.008
 4, 5 & 6 mm - 0.004/-0.012
 8 & 10 mm - 0.005/-0.014
 12 mm - 0.006/-0.017

- NOTES:**
1. d bores and D shafts concentric to within 0.025 mm.
 2. Fairloc® hubs require controlled mating shaft tolerances: g6, h6 or h7.
 3. Metric to inch or inch to metric connections, other sizes and materials, available on special order.

■ WITH INTEGRAL BEARING SHIM SPACER



MATERIAL: Brass with Black Oxide Finish
303 Stainless Steel

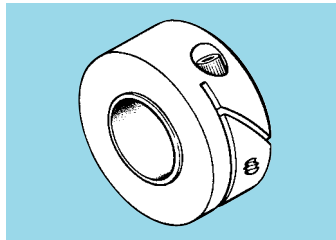
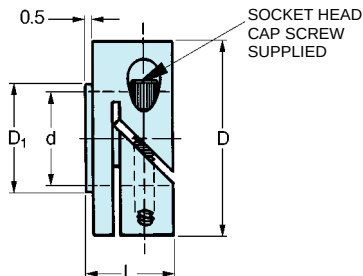
Catalog Number		Shaft Size	O.D.	B + .0010 Bore	C	E	L	Screw Size
Brass-Black Oxide	303 Stainless Steel							
S25FB9-PC12015	S25FY9-PC12015	.12	.433	.1200	.189	.020	.276	#2-56
S25FB9-PC12515	S25FY9-PC12515	1/8	.433	.1250	.189			
S25FB9-PC18715	S25FY9-PC18715	3/16	.495	.1875	.250			
S25FB9-PC25021	S25FY9-PC25021	1/4	.630	.2500	.315	.020	.354	#4-40
S25FB9-PC31227	S25FY9-PC31227	5/16	.870	.3125	.394	.020	.433	#6-32
S25FB9-PC37527	S25FY9-PC37527	3/8	.870	.3750	.438			
S25FB9-PC50031	S25FY9-PC50031	1/2	.984	.5000	.578			
S25FB9-PC62537	S25FY9-PC62537	5/8	1.181	.6250	.750	.030	.551	#8-32
S25FB9-PC75047	S25FY9-PC75047	3/4	1.496	.7500	.866		.630	#10-32

Did You Know?

...That we have a well-equipped modern machine shop with state-of-the-art production machinery?

We can handle catalog items as well as custom products made to your specifications.

■ WITH INTEGRAL BEARING SHIM SPACER



FEATURES:

- No shim spacers required
- Fairloc® eliminates marred shafts
- Used to preload bearing
- More holding strength than set screw collars

MATERIAL: Brass – Black Oxide Finish
303 Stainless Steel

Catalog Number		Shaft Size	d* H8	D	L	D1	Screw Size
Brass – Black Oxide	303 Stainless Steel						
S25FB9MPC0311	S25FY9MPC0311	3	3	11	7	5	M2
S25FB9MPC0412	S25FY9MPC0412	4	4	12.5	7	6	M2
S25FB9MPC0516	S25FY9MPC0516	5	5	16	9	7	M2.5
S25FB9MPC0616	S25FY9MPC0616	6	6	16	9	8	M2.5
S25FB9MPC0822	S25FY9MPC0822	8	8	22	11	10	M3
S25FB9MPC1025	S25FY9MPC1025	10	10	25	11	12	M3
S25FB9MPC1225	S25FY9MPC1225	12	12	25	11	14	M3
S25FB9MPC1530	S25FY9MPC1530	15	15	30	14	19	M4
S25FB9MPC2038	S25FY9MPC2038	20	20	38	16	22	M5

*Bore Tolerances:
 3 mm +0.014
 4, 5 & 6 mm +0.018
 8 & 10 mm +0.022
 12 & 15 mm +0.027
 20 mm +0.033

Did You Know?

That Fairloc® is a specially designed hub fastening device that has many unique advantages over set screw or keyway methods? See page 85 for a full explanation