



Stainless Steel Mounted Bearings, Shaft Couplings & Universal Joints





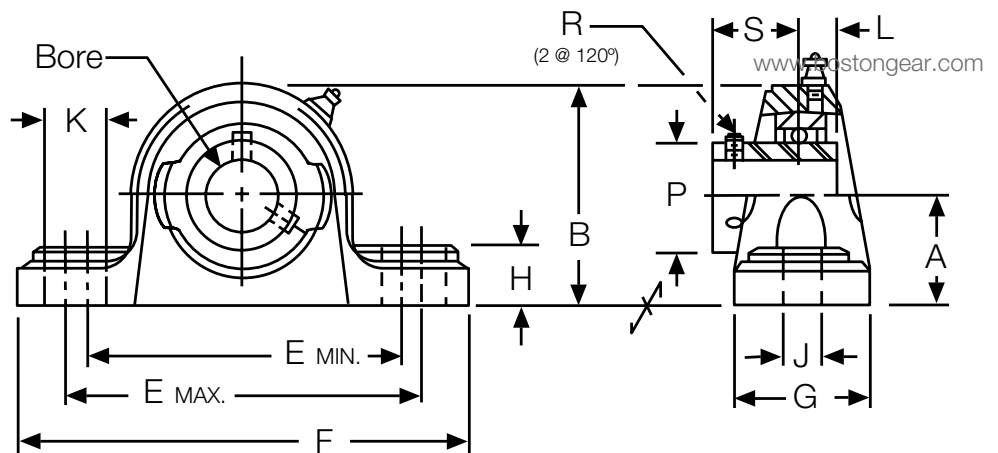
MOUNTED BEARINGS STAINLESS STEEL

Pillow Blocks Setscrew Locking

2 Bolt Pillow Block - Setscrew Locking Extended Inner Race



- Synthetic lip seal with stainless steel flinger provides superior protection for high pressure washdown conditions.
- Pre-filled with NSF H1 food grade grease.
- Cast stainless steel housing.
- Laser marked.
- M6 grease fitting.



Bore Size	Mounted Bearing		Bearing Insert	
	Catalog Number	Item Code	Catalog Number	Item Code
3/4	SSUP4-3/4	G01140	SSUC204-12	G01171
1	SSUP5-1	G01141	SSUC205-16	G01172
1-3/16	SSUP6-1-3/16	G01142	SSUC206-19	G01173
1-1/4	SSUP7-1-1/4	G01143	SSUC207-20	G01174
1-7/16	SSUP7-1-7/16	G01144	SSUC207-23	G01175
1-1/2	SSUP8-1-1/2	G05900	SSUC208-24	G05922
1-15/16	SSUP10-1-15/16	G05901	SSUC210-31	G05923

Stainless Steel Material	
AISI 304	AISI 440
Housing, cage, shield, setscrew, seal	Balls, inner/outer ring

Catalog Number	Bore Size	Dimensions (in)														Load Rating* (lbf)	
		A	B	E _{max}	E _{min}	F	G	H	J	K	L	P	R (UNF)	S	Bolt Size	C _R	C ₀
SSUP4-3/4	3/4	1-5/16	2-9/16	4-1/8	3-3/8	5	1-1/2	9/16	1/2	3/4	0.500	1.142	1/4-28	0.721	3/8	2,901	1,507
SSUP5-1	1	1-7/16	2-25/32	4-1/2	3-3/4	5-1/2	1-1/2	19/32	1/2	3/4	0.563	1.339	1/4-28	0.780	3/8	3,175	1,782
SSUP6-1-3/16	1-3/16	1-11/16	3-1/4	5-1/32	4-15/32	6-1/2	1-7/8	21/32	43/64	25/32	0.626	1.591	1/4-28	0.874	1/2	4,431	2,558
SSUP7-1-1/4	1-1/4	1-7/8	3-21/32	5-9/32	4-23/32	6-9/16	1-7/8	45/64	43/64	25/32	0.689	1.866	5/16-24	1.000	1/2	5,847	3,472
SSUP7-1-7/16	1-7/16	1-7/8	3-21/32	5-9/32	4-23/32	6-9/16	1-7/8	45/64	43/64	25/32	0.689	1.866	5/16-24	1.000	1/2	5,847	3,472
SSUP8-1-1/2	1-1/2	1-15/16	3-15/16	5-11/16	5-1/8	7-1/4	2-1/8	45/64	43/64	25/32	0.748	2.075	5/16-24	1.189	1/2	6,632	4,069
SSUP10-1-15/16	1-15/16	2-1/4	4-29/64	6-17/32	5-31/32	8-1/8	2-3/8	53/64	25/32	29/32	0.748	2.465	3/8-24	1.284	5/8	7,868	5,216

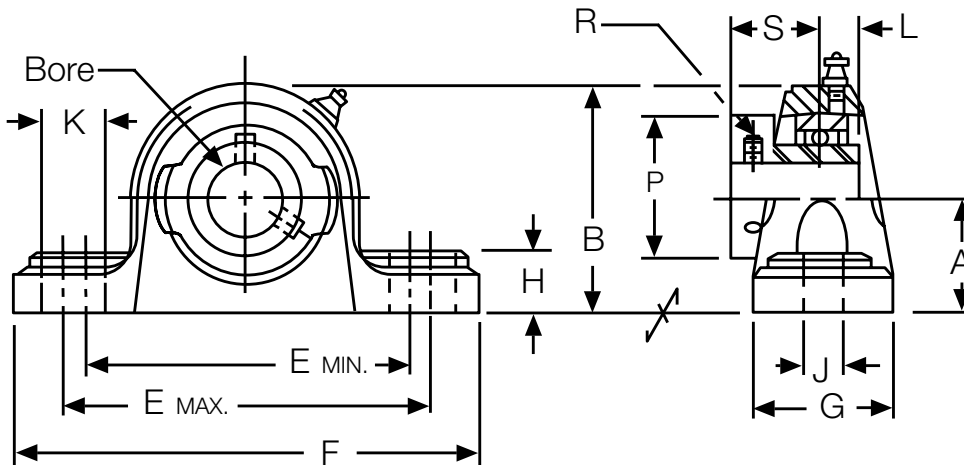
Notes: Bore tolerance: +.001"/-.000".
Recommended shaft tolerance: Nominal +.000"/-.001".
Max recommended speed is 5000 RPM.
*C_R=dynamic load rating, C₀=static load rating.



Pillow Blocks Eccentric Locking Collar

2 Bolt Pillow Block - Eccentric Locking Collar

For Superior Shaft Holding Power



- Synthetic lip seal with stainless steel flinger provides superior protection for high pressure washdown conditions.
- Pre-filled with NSF H1 food grade grease.
- Cast stainless steel housing.
- Laser marked.
- M6 grease fitting.

Bore Size	Mounted Bearing		Bearing Insert	
	Catalog Number	Item Code	Catalog Number	Item Code
3/4	SSHP4-3/4	G01145	SSHC204-12	G01176
1	SSHP5-1	G01146	SSHC205-16	G01177
1-3/16	SSHP6-1-3/16	G01147	SSHC206-19	G01178
1-1/4	SSHP7-1-1/4	G01148	SSHC207-20	G01179
1-7/16	SSHP7-1-7/16	G01149	SSHC207-23	G01180
1-1/2	SSHP8-1-1/2	G05902	SSHC208-24	G05924
1-15/16	SSHP10-1-15/16	G05903	SSHC210-31	G05925

Stainless Steel Material	
AISI 304	AISI 440
Housing, cage, shield, setscrew, seal, collar	Balls, inner/outer ring

		Dimensions (in)													Load Rating* (lbf)		
Catalog Number	Bore Size	A	B	E _{max}	E _{min}	F	G	H	J	K	L	P	R (UNF)	S	Bolt Size	C _R	C _O
SSHP4-3/4	3/4	1-5/16	2-9/16	4-1/8	3-3/8	5	1-1/2	9/16	1/2	3/4	0.673	1.311	1/4-28	1.047	3/8	2,901	1,507
SSHP5-1	1	1-7/16	2-25/32	4-1/2	3-3/4	5-1/2	1-1/2	19/32	1/2	3/4	0.689	1.500	1/4-28	1.059	3/8	3,175	1,782
SSHP6-1-3/16	1-3/16	1-11/16	3-1/4	5-1/32	4-15/32	6-1/2	1-7/8	21/32	43/64	25/32	0.720	1.713	1/4-28	1.186	1/2	4,431	2,558
SSHP7-1-1/4	1-1/4	1-7/8	3-21/32	5-9/32	4-23/32	6-9/16	1-7/8	45/64	43/64	25/32	0.740	2.087	5/16-24	1.272	1/2	5,847	3,472
SSHP7-1-7/16	1-7/16	1-7/8	3-21/32	5-9/32	4-23/32	6-9/16	1-7/8	45/64	43/64	25/32	0.740	2.087	5/16-24	1.272	1/2	5,847	3,472
SSHP8-1-1/2	1-1/2	1-15/16	3-15/16	5-11/16	5-1/8	7-1/4	2-1/8	45/64	43/64	25/32	0.748	2.283	5/16-24	1.378	1/2	6,632	4,069
SSHP10-1-15/16	1-15/16	2-1/4	4-29/64	6-17/32	5-31/32	8-1/8	2-3/8	53/64	25/32	29/32	0.969	2.697	3/8-24	1.500	5/8	7,868	5,216

Notes: Bore tolerance: $+.001"/-.000"$.
Recommended shaft tolerance: Nominal $+.000"/-.001"$.
Max recommended speed is 5000 RPM.
*Cr=dynamic load rating, Co=static load rating.



MOUNTED BEARINGS STAINLESS STEEL

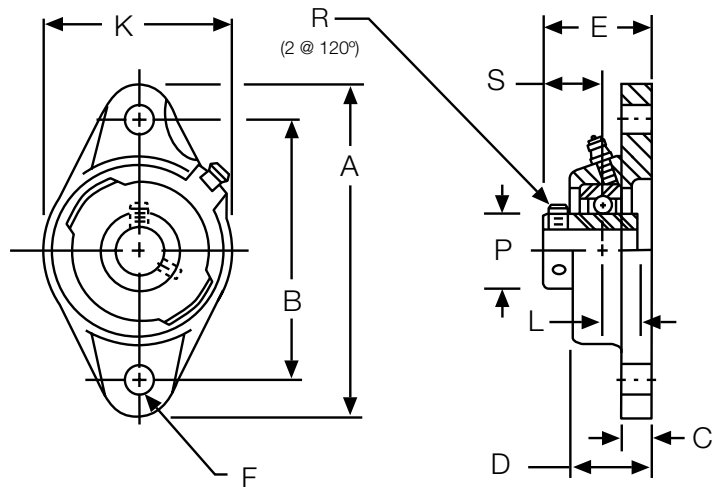
Flanged Units Setscrew Locking

2 Bolt Flange - Setscrew Locking

Extended Inner Race



- Synthetic lip seal with stainless steel flinger provides superior protection for high pressure washdown conditions.
- Pre-filled with NSF H1 food grade grease.
- Cast stainless steel housing.
- Laser marked.
- M6 grease fitting.



Bore Size	Mounted Bearing		Bearing Insert	
	Catalog Number	Item Code	Catalog Number	Item Code
3/4	SSUFL4-3/4	G01150	SSUC204-12	G01171
1	SSUFL5-1	G01151	SSUC205-16	G01172
1	SSUFL5-1A	G05970	SSUC205-16	G01172
1-3/16	SSUFL6-1-3/16	G01152	SSUC206-19	G01173
1-1/4	SSUFL7-1-1/4	G01153	SSUC207-20	G01174
1-7/16	SSUFL7-1-7/16	G01154	SSUC207-23	G01175
1-1/2	SSUFL8-1-1/2	G05904	SSUC208-24	G05922
1-15/16	SSUFL10-1-15/16	G05905	SSUC210-31	G05923

Stainless Steel Material	
AISI 304	AISI 440
Flange, cage, shield, setscrew, seal	Balls, inner/outer ring

		Dimensions (in)											Load Rating* (lbf)	
Catalog Number	Bore Size	A	B	C	D	E	Bolt Size F**	K	L	P	R (UNF)	S	Cr	Co
SSUFL4-3/4	3/4	4-7/16	3-35/64	7/16	1.000	1-5/16	3/8	2-3/8	0.500	1.142	1/4-28	0.721	2,901	1,507
SSUFL5-1	1	5-1/8	3-57/64	1/2	1.063	1-13/32	1/2	2-11/16	0.563	1.339	1/4-28	0.780	3,175	1,782
SSUFL5-1A	1	5-1/8	3-57/64	1/2	1.063	1-13/32	3/8	2-11/16	0.563	1.339	1/4-28	0.780	3,175	1,782
SSUFL6-1-3/16	1-3/16	5-13/16	4-39/64	1/2	1.219	1-19/32	1/2	3-5/32	0.626	1.591	1/4-28	0.874	4,431	2,558
SSUFL7-1-1/4	1-1/4	6-11/32	5-1/8	35/64	1.344	1-3/4	1/2	3-35/64	0.689	1.866	5/16-24	1.000	5,847	3,472
SSUFL7-1-7/16	1-7/16	6-11/32	5-1/8	35/64	1.344	1-3/4	1/2	3-35/64	0.689	1.866	5/16-24	1.000	5,847	3,472
SSUFL8-1-1/2	1-1/2	6-7/8	5-43/64	35/64	1.422	2-1/64	1/2	3-15/16	0.748	2.075	5/16-24	1.189	6,632	4,069
SSUFL10-1-15/16	1-15/16	7-3/4	6-3/16	19/32	1.578	2-5/32	5/8	4-17/32	0.748	2.465	3/8-24	1.284	7,868	5,216

Notes: Bore tolerance: +.001"/-.000".
Recommended shaft tolerance: Nominal +.000"/-.001".
Max recommended speed is 5000 RPM.

*Cr=dynamic load rating, Co=static load rating.

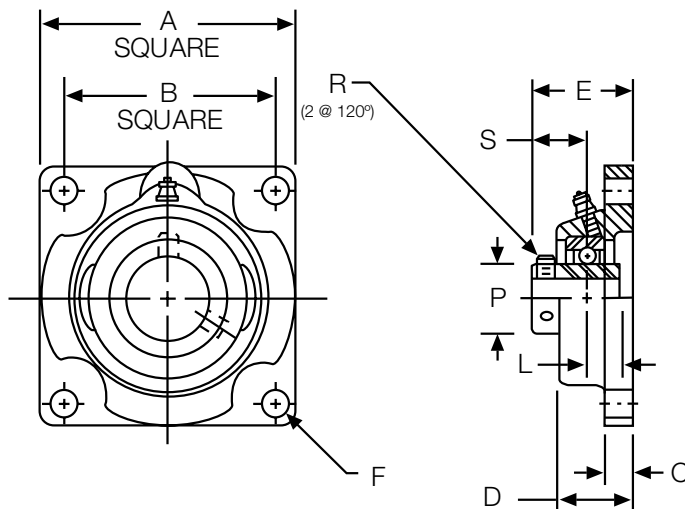
** Smaller bolt sizes are acceptable with the use of flat washers



Flanged Units Setscrew Locking

4 Bolt Flange - Setscrew Locking

Extended Inner Race



MOUNTED BEARINGS STAINLESS STEEL



- Synthetic lip seal with stainless steel flinger provides superior protection for high pressure washdown conditions.
- Pre-filled with NSF H1 food grade grease.
- Cast stainless steel housing.
- Laser marked.
- M6 grease fitting.

Bore Size	Mounted Bearing		Bearing Insert	
	Catalog Number	Item Code	Catalog Number	Item Code
3/4	SSUF4-3/4	G01155	SSUC204-12	G01171
1	SSUF5-1	G01156	SSUC205-16	G01172
1-3/16	SSUF6-1-3/16	G01157	SSUC206-19	G01173
1-1/4	SSUF7-1-1/4	G01158	SSUC207-20	G01174
1-7/16	SSUF7-1-7/16	G01159	SSUC207-23	G01175
1-1/2	SSUF8-1-1/2	G05906	SSUC208-24	G05922
1-15/16	SSUF10-1-15/16	G05907	SSUC210-31	G05923

Stainless Steel Material	
AISI 304	AISI 440
Flange, cage, shield, setscrew, seal	Balls, inner/outer ring

		Dimensions (in)										Load Rating* (lbf)	
Catalog Number	Bore Size	A	B	C	D	E	Bolt Size F**	L	P	R (UNF)	S	Cr	Co
SSUF4-3/4	3/4	3-3/8	2-33/64	15/32	1.000	1-5/16	3/8	0.500	1.142	1/4-28	0.721	2,901	1,507
SSUF5-1	1	3-3/4	2-3/4	35/64	1.063	1-13/32	3/8	0.563	1.339	1/4-28	0.780	3,175	1,782
SSUF6-1-3/16	1-3/16	4-1/4	3-17/64	35/64	1.219	1-19/32	3/8	0.626	1.591	1/4-28	0.874	4,431	2,558
SSUF7-1-1/4	1-1/4	4-39/64	3-5/8	5/8	1.344	1-3/4	7/16	0.689	1.866	5/16-24	1.000	5,847	3,472
SSUF7-1-7/16	1-7/16	4-39/64	3-5/8	5/8	1.344	1-3/4	7/16	0.689	1.866	5/16-24	1.000	5,847	3,472
SSUF8-1-1/2	1-1/2	5-1/8	4-1/64	5/8	1.422	2-1/64	1/2	0.748	2.075	5/16-24	1.189	6,632	4,069
SSUF10-1-15/16	1-15/16	5-13/32	4-3/8	23/32	1.578	2-5/32	1/2	0.748	2.465	3/8-24	1.284	7,868	5,216

Notes: Bore tolerance: +.001"/-.000".
Recommended shaft tolerance: Nominal +.000"/-.001".
Max recommended speed is 5000 RPM.
*Cr=dynamic load rating, Co=static load rating.
** Smaller bolt sizes are acceptable with the use of flat washers



MOUNTED BEARINGS STAINLESS STEEL

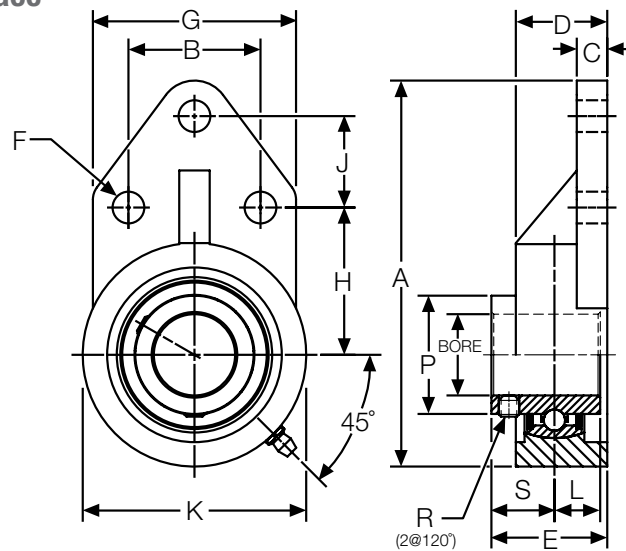
Flanged Units Setscrew Locking

3 Bolt Flange - Setscrew Locking

Extended Inner Race



- Synthetic lip seal with stainless steel flinger provides superior protection for high pressure washdown conditions.
- Pre-filled with NSF H1 food grade grease.
- Cast stainless steel housing.
- Laser marked.
- M6 grease fitting.



Bore Size	Mounted Bearing		Bearing Insert	
	Catalog Number	Item Code	Catalog Number	Item Code
3/4	SSUFB4-3/4	G05908	SSUC204-12	G01171
1	SSUFB5-1	G05909	SSUC205-16	G01172
1-3/16	SSUFB6-1-3/16	G05910	SSUC206-19	G01173
1-1/4	SSUFB7-1-1/4	G05911	SSUC207-20	G01174
1-7/16	SSUFB7-1-7/16	G05912	SSUC207-23	G01175
1-1/2	SSUFB8-1-1/2	G05913	SSUC208-24	G05922
1-15/16	SSUFB10-1-15/16	G05914	SSUC210-31	G05923

Stainless Steel Material	
AISI 304	AISI 440
Flange, cage, shield, setscrew, seal	Balls, inner/outer ring

Catalog Number	Bore Size	Dimensions (in)														Load Rating* (lbf)	
		A	B	C	D	E	Bolt Size F**	G	H	J	K	L	P	R (UNF)	S	Cr	Co
SSUFB4-3/4	3/4	4-1/4	1-1/2	5/16	1	1.35	5/16	2-3/8	1-11/16	7/8	2-1/2	0.500	1.142	1/4-28	0.850	2,901	1,507
SSUFB5-1	1	4-3/4	1-5/8	3/8	1-5/64	1.43	5/16	2-1/2	1-13/16	1-1/8	2-3/4	0.563	1.339	1/4-28	0.867	3,175	1,782
SSUFB6-1-3/16	1-3/16	5-3/8	1-7/8	3/8	1-7/64	1-19/32	5/16	2-3/4	2-1/16	1-1/4	3-1/4	0.626	1.591	1/4-28	0.968	4,431	2,558
SSUFB7-1-1/4	1-1/4	6-1/8	2	1/2	1-1/4	1-3/4	7/16	3-1/4	2-3/8	1-1/4	3-3/4	0.689	1.866	5/16-24	1.061	5,847	3,472
SSUFB7-1-7/16	1-7/16	6-1/8	2	1/2	1-1/4	1-3/4	7/16	3-1/4	2-3/8	1-1/4	3-3/4	0.689	1.866	5/16-24	1.061	5,847	3,472
SSUFB8-1-1/2	1-1/2	6-15/32	1-31/32	5/8	1-13/32	2-1/64	3/8	3-1/16	2-3/8	1-5/8	3-15/16	0.748	2.075	5/16-24	1.267	6,632	4,069
SSUFB10-1-15/16	1-15/16	7-1/2	2-3/4	1/2	1-1/2	2-5/32	7/16	4	2-15/16	1-5/8	4-5/8	0.748	2.465	3/8-24	1.408	7,868	5,216

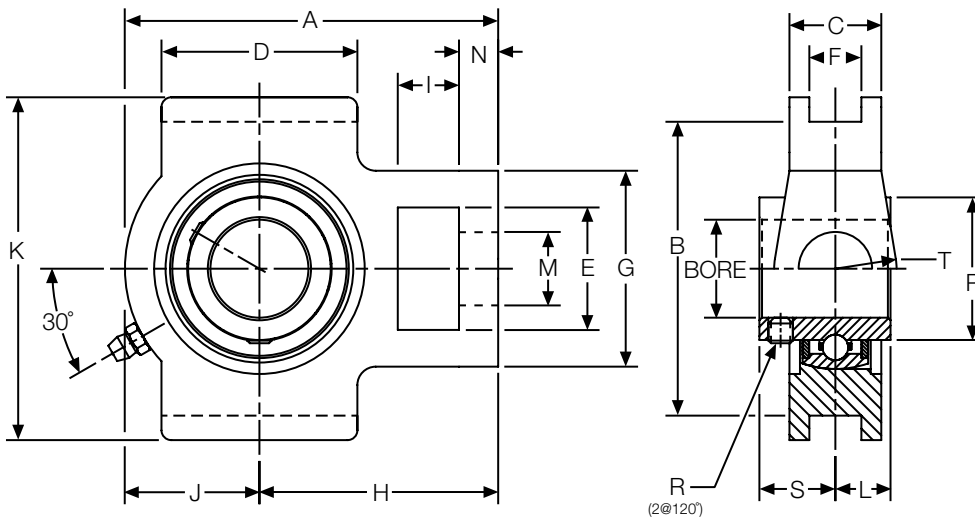
Notes: Bore tolerance: $+0.001"/-0.000"$.
Recommended shaft tolerance: Nominal $+0.000"/-0.001"$.
Max recommended speed is 5000 RPM.
*Cr=dynamic load rating, Co=static load rating.
** Smaller bolt sizes are acceptable with the use of flat washers



Take Up Units Setscrew Locking

Wide Slot Take Up Unit - Setscrew Locking

Extended Inner Race



Bore Size	Mounted Bearing		Bearing Insert	
	Catalog Number	Item Code	Catalog Number	Item Code
3/4	SSUT4-3/4	G05915	SSUC204-12	G01171
1	SSUT5-1	G05916	SSUC205-16	G01172
1-3/16	SSUT6-1-3/16	G05917	SSUC206-19	G01173
1-1/4	SSUT7-1-1/4	G05918	SSUC207-20	G01174
1-7/16	SSUT7-1-7/16	G05919	SSUC207-23	G01175
1-1/2	SSUT8-1-1/2	G05920	SSUC208-24	G05922
1-15/16	SSUT10-1-15/16	G05921	SSUC210-31	G05923

Stainless Steel Material	
AISI 304	AISI 440
Flange, cage, shield, setscrew, seal	Balls, inner/outer ring

MOUNTED BEARINGS STAINLESS STEEL



- Synthetic lip seal with stainless steel flinger provides superior protection for high pressure washdown conditions.
- Pre-filled with NSF H1 food grade grease.
- Cast stainless steel housing.
- Laser marked.
- M6 grease fitting.

Catalog Number	Bore Size	Dimensions (in)																	Load Rating* (lbf)	
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	P	R (UNF)	S	Cr	Co
SSUT4-3/4	3/4	3-11/16	2-63/64	13/16	2-1/64	1.250	0.469	2-1/64	2-13/32	0.625	1-9/32	3-1/2	0.500	0.750	0.391	1.142	1/4-28	0.721	2,901	1,507
SSUT5-1	1	3-13/16	2-63/64	15/16	2-1/64	1.250	0.469	2-1/64	2-7/16	0.625	1-3/8	3-1/2	0.563	0.750	0.391	1.339	1/4-28	0.780	3,175	1,782
SSUT6-1-3/16	1-3/16	4-29/64	3-1/2	1-3/32	2-1/4	1.453	0.469	2-7/32	2-3/4	0.625	1-45/64	4-1/64	0.626	0.859	0.391	1.591	1/4-28	0.874	4,431	2,558
SSUT7-1-1/4	1-1/4	5-5/64	3-1/2	1-3/16	2-33/64	1.453	0.469	2-33/64	3-5/64	0.625	2	4-1/64	0.689	0.859	0.516	1.866	5/16-24	1.000	5,847	3,472
SSUT7-1-7/16	1-7/16	5-5/64	3-1/2	1-3/16	2-33/64	1.453	0.469	2-33/64	3-5/64	0.625	2	4-1/64	0.689	0.859	0.516	1.866	5/16-24	1.000	5,847	3,472
SSUT8-1-1/2	1-1/2	5-43/64	4-1/64	1-5/16	3-17/64	1.938	0.625	3-17/64	3-1/2	0.750	2-11/64	4-31/64	0.748	1.141	0.625	2.075	5/16-24	1.189	6,632	4,069
SSUT10-1-15/16	1-15/16	5-55/64	4-1/64	1-15/32	3-17/64	1.938	0.625	3-17/64	3-35/64	0.750	2-5/16	4-39/64	0.748	1.141	0.625	2.465	3/8-24	1.284	7,868	5,216

Notes: Bore tolerance: +.001"/-.000".
Recommended shaft tolerance: Nominal +.000"/-.001".
Max recommended speed is 5000 RPM.
*Cr=dynamic load rating, Co=static load rating.



SHAFT COUPLINGS – STAINLESS STEEL

SSFC Series – Insert (3 jaw) type

- 316 stainless steel with passivated finish.
- Precision machined bore or solid hubs.
- Three types of inserts for different service requirements.
- No lubrication needed.
- Stocked bores complete with keyway and stainless setscrew.
- Custom bore sizes available on request.



ALL DIMENSIONS IN INCHES

ORDER BY CATALOG NUMBER OR ITEM CODE

To order complete coupling order two coupling halves and one coupling insert

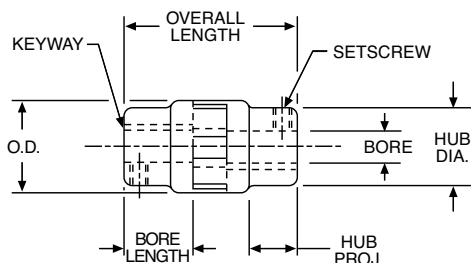
			Dimensions (in)								Coupling Halves		Insert					
Coupling Size	Bore	Max. Bore	Bore Length *	OD	Overall Length **	Hub		Assy. Clearance	Standard Keyway Size	Standard Setscrew Size	Catalog Number	Item Code	Bost-Bronz		Rubber		Polyurethane	
						Dia.	Proj.						Catalog Number	Item Code	Catalog Number	Item Code	Catalog Number	Item Code
SSFC12	SOLID	5/8	N/A	1-1/4	2-5/16	1	5/8	3-3/16	N/A	N/A	SSFC12 SOLID	G89785	XFCBB12	08064	XFCR12	08078	XFCA12	08050
	3/8		27/32						3/32 × 3/64	10-32	SSFC12-3/8	G89783						
	1/2		N/A						1/8 × 1/16	1/4-20	SSFC12-1/2	G89784						
SSFC15	SOLID	7/8	N/A	1-1/2	2-3/4	1-1/4	3/4	3-3/4	N/A	N/A	SSFC15 SOLID	G89789	XFCBB15	08066	XFCR15	08080	XFCA15	08052
	1/2		1-1/32						1/8 × 1/16	1/4-20	SSFC15-1/2	G89786						
	5/8		1-1/32						3/16 × 3/32	5/16-18	SSFC15-5/8	G89787						
	3/4		1-1/32						3/16 × 3/32	5/16-18	SSFC15-3/4	G89788						
SSFC20	SOLID	1-1/8	N/A	2	3-11/16	1-3/4	1-1/8	4-13/16	N/A	N/A	SSFC20 SOLID	G89794	XFCBB20	08068	XFCR20	08082	XFCA20	08054
	5/8		1-7/16						3/16 × 3/32	5/16-18	SSFC20-5/8	G89790						
	3/4		1-7/16						3/16 × 3/32	5/16-18	SSFC20-3/4	G89791						
	7/8		1-7/16						3/16 × 3/32	5/16-18	SSFC20-7/8	G89792						
	1		1-7/16						1/4 × 1/8	3/8-16	SSFC20-1	G89793						
SSFC25	SOLID	1-3/8	N/A	2-1/2	4-1/8	2-1/4	1-1/4	5-3/8	N/A	N/A	SSFC25 SOLID	G89798	XFCBB25	08070	XFCR25	08084	XFCA25	08056
	3/4		1-19/32						3/16 × 3/32	5/16-18	SSFC25-3/4	G89795						
	1		1-19/32						1/4 × 1/8	3/8-16	SSFC25-1	G89796						
	1-1/4		1-19/32						1/4 × 1/8	3/8-16	SSFC25-1-1/4	G89797						
SSFC30	SOLID	1-5/8	N/A	3	5-15/32	2-3/4	1-11/16	7	N/A	N/A	SSFC30 SOLID	G89802	XFCBB30	08072	XFCR30	08086	XFCA30	08058
	1		2-5/32						1/4 × 1/8	3/8-16	SSFC30-1	G89799						
	1-1/4		2-5/32						1/4 × 1/8	3/8-16	SSFC30-1-1/4	G89800						
	1-3/8		2-5/32						5/16 × 5/32	7/16-14	SSFC30-1-3/8	G89801						
SSFC38	SOLID	1-7/8	N/A	3-3/4	6-5/16	3-1/2	1-7/8	8-3/16	N/A	N/A	SSFC38 SOLID	G89809	XFCBB38	08074	XFCR38	08088	XFCA38	08060
SSFC45	SOLID	2-1/8	N/A	4-1/2	7-3/16	4	2-1/8	9-5/16	N/A	N/A	SSFC45 SOLID	G89810	XFCBB45	08076	XFCR45	08090	XFCA45	08062

*Length of hole in each half. **Total length of assembled coupling with jaws engaged to full depth.

Notes:

Bore tolerance: +.001"/-.000".

Recommended shaft tolerance: Nominal +.000"/-.001".



Contact the factory for bore sizes not listed above. Inch and metric options available.



SHAFT COUPLINGS – STAINLESS STEEL

SSFC Series – Insert (3 jaw) type

- Oil-Impregnated Bost-Bronz – recommended for high torque loads, particularly at slower speeds.
- Oil-Resistant Synthetic Rubber – recommended when quietness is desired, particularly at motor speeds.
- Polyurethane – recommended where moderate to heavy shock loads are encountered.

Load Rating Table

Coupling Size	Maximum Horsepower Rating at RPM*								Misalignment Tolerances		Max Torque (lb-in)
	50	100	300	690	870	1150	1750	3450	Lateral/Parallel	Angular	
XFCBB BOST-BRONZ INSERTS											
SSFC12	0.16	0.32	0.95	2.2	2.8	3.6	5.6	—	.001	.011	200
SSFC15	0.40	0.79	2.4	5.5	6.9	9.1	13.9	—		.013	500
SSFC20	0.79	1.6	4.8	10.9	13.8	18.2	—	—		.018	1000
SSFC25	1.4	2.9	8.6	19.7	24.8	—	—	—		.022	1800
SSFC30	2.5	5.1	15.2	35.0	—	—	—	—		.026	3200
SSFC38	5.6	11.1	33.3	—	—	—	—	—		.032	7000
SSFC45	8.7	17.5	—	—	—	—	—	—		.039	11000
XFCR RUBBER INSERTS											
SSFC12	—	0.10	0.31	0.71	0.90	1.2	1.8	3.6	.002	.033	65
SSFC15	—	0.20	0.60	1.4	1.7	2.3	3.5	56.8		.039	125
SSFC20	—	0.40	1.2	2.7	3.5	4.6	6.9	13.7		.053	250
SSFC25	—	0.71	2.1	4.9	6.2	8.2	12.5	24.6		.066	450
SSFC30	—	1.3	3.8	8.8	11.0	14.6	22.2	43.8		.078	800
SSFC38	—	2.5	7.6	17.5	22.1	29.2	44.4	—		.097	1600
SSFC45	—	4.4	13.3	30.7	38.7	51.1	77.7	—		.117	2800
XFCA POLYURETHANE INSERTS											
SSFC12	0.09	0.19	0.56	1.2	1.6	2.0	3.0	5.7	.002	.022	125
SSFC15	0.18	0.37	1.1	2.5	3.1	4.0	6.0	11.3		.026	250
SSFC20	0.35	0.70	2.1	4.6	5.7	7.5	11.1	20.7		.035	470
SSFC25	0.62	1.2	3.7	8.1	10.1	13.1	19.3	35.8		.044	845
SSFC30	1.1	2.2	6.5	14.4	17.9	23.3	34.3	63.6		.052	1500
SSFC38	2.2	4.3	12.9	28.4	35.3	45.8	67.3	—		.065	3000
SSFC45	3.7	7.5	22.4	49.2	61.0	79.0	115.9	—		.078	5250

*For uniform load.

Selection Procedure

1. From Table select Service Factor.
2. Determine Design Load
Design HP = Application HP × S.F.
or
Design Torque = Application Torque × S.F.
3. Select coupling size from Load Rating Table which has a rating equal to or greater than the design load

COUPLING SERVICE FACTOR

Load Classification	Service Factor
Uniform	1
Moderate Shock	1.75
Heavy Shock	2.5



UNIVERSAL JOINTS – STAINLESS STEEL

JS Series – Pin and Block Type

- 303 stainless steel.
- Precision machined bore or solid hubs.
- Made-to-order bore and keyways available on request.
- Designed for connecting shafts at angles up to 30 degrees and speeds up to 2000RPM.

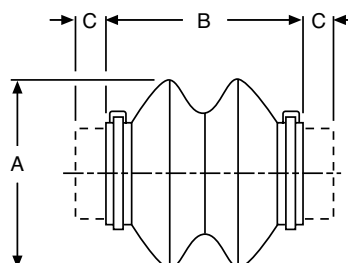
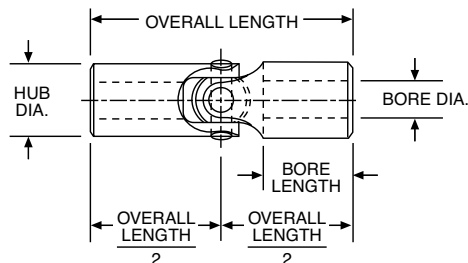


ALL DIMENSIONS IN INCHES
ORDER BY CATALOG NUMBER OR ITEM CODE

Stainless Steel		Universal Joints Dimensions					Book Kit Dimensions				
Catalog Number	Item Code	Bore **	Bore Length *	Hub Dia.	Overall Length	Approx. Weight Lb.	A	B	C	Catalog Number	Item Code
JS37B JS37	08472 08452	3/16 -	11/16 -	3/8 3/8	1-3/4 1-3/4	.04 .05	1-1/32	1-1/32	9/32	UB37	47602
JS50B JS50	08474 08454	1/4 -	3/4 -	1/2 1/2	2 2	.08 .10	1-1/4	1-5/16	11/32	UB50	47603
JS62B JS62	08476 08456	5/16 -	13/16 -	5/8 5/8	2-1/4 2-1/4	.14 .18	1-1/2	1-7/16	13/16	UB62	47604
JS75B JS75	08478 08458	3/8 -	31/32 -	3/4 3/4	2-11/16 2-11/16	.24 .30	1-3/4	1-9/16	9/16	UB75	47605
JS87B JS87	08480 08460	7/16 -	1-1/32 -	7/8 7/8	3 3	.31 .45	2	1-13/16	19/32	UB87	47606
JS100B JS100	08482 08462	1/2 -	1-3/16 -	1 1	3-3/8 3-3/8	.50 .66	2-1/4	2-1/8	5/8	UB100	47607
JS112B JS112	72483 72484	9/16 -	1-7/32 -	1-1/8 1-1/8	3-1/2 3-1/2	.69 .88	2-9/16	2-7/16	17/32	UB112	72491
JS125B JS125	08484 08464	5/8 -	1-1/4 -	1-1/4 1-1/4	3-3/4 3-3/4	.88 1.15	2-7/8	2-3/4	1/2	UB125	47608
JS150B JS150	08486 08466	3/4 -	1-11/32 -	1-1/2 1-1/2	4-1/4 4-1/4	1.44 1.81	3-1/4	3-1/4	1/2	UB150	47609
JS175B JS175	08488 08468	7/8 -	1-9/16 -	1-3/4 1-3/4	5 5	2.31 2.86	3-5/8	3-3/4	5/8	UB175	47610
JS200B JS200	08490 08470	1 -	1-5/8 -	2 2	5-1/2 5-1/2	3.31 4.06	4-1/2	4-3/16	5/8	UB200	47611
JS250B JS250	72485 72486	1-1/4 -	2-3/32 -	2-1/2 2-1/2	7 7	6.81 8.25	5-1/2	4-7/8	1-1/16	UB250	47612
JS300B JS300	72487 72488	1-1/2 -	2-27/32 -	3 3	9 9	12.50 15.25	6	5-5/8	1-11/16	UB300	47613
JS400B JS400	72489 72490	2 -	3-1/8 -	4 4	10-5/8 10-5/8	25.8 31.3	6-7/8	6-5/8	2	UB400	47614

* Approximate hub projection.

** Style B includes bore only. Unit without B letter have a solid bore.



STANDARD TOLERANCES

Dimension	Tolerance
Bore	All
Hub Dia.	All
Bore Length	All
Overall Length	1-3/4 - 4-1/4 5 - 10-5/8
	+/- .001 +/- .020 +/- 1/64 +/- 1/64 +/- 1/32



Contact the factory for bore or keyway sizes not listed above. Inch and metric options available.



UNIVERSAL JOINTS – STAINLESS STEEL

JS Series – Pin and Block Type

Selection

- Torque ratings may be calculated from data in tables. The tables indicate the Rated Static Torque (Lb-in) of alloy and stainless steel joints and Speed-Angle factors suggested for various operating conditions.
- The approximate service torque rating of a particular joint can be obtained by dividing the Rated Static Torque by the appropriate Speed-Angle factor.
- Selecting a universal to satisfy a specified torque requirement is also made convenient with the data provided. The transmitted torque load should be multiplied by the appropriate Speed-Angle factor to obtain an equivalent static torque load. A universal joint with a rated static torque equal to or greater than the calculated torque load would then be selected.

Example: 36 lb-in x 2.8 = 100.8 lb-in
JS87 would be the minimum selection.

Rated Static Torque (lb-in) at Straight Line

Catalog Number	JS37	JS50	JS62	JS75	JS87	JS100	JS112	JS125	JS150	JS175	JS200	JS250	JS300	JS400
Torque - lb-in	6	24	50	96	110	180	200	310	500	750	1320	1900	3100	7360

Speed-Angle Factors

Speed in RPM	Operating Angle - Degrees (Deviation From Straight Line)														
	0	1/2	1	2	3	4	5	6	8	10	12	15	20	25	30
2000	21	22	23.2	25.2	27.4	29.4	31.6	-	-	-	-	-	-	-	-
1800	19	20	21.0	22.8	24.8	26.6	28.6	30.4	-	-	-	-	-	-	-
1600	17	17.8	18.8	20.4	22.2	23.8	25.6	27.2	-	-	-	-	-	-	-
1400	15	15.8	16.6	18.0	19.6	21.0	22.6	24.0	27	-	-	-	-	-	-
1200	13	13.6	14.4	15.6	17.0	18.2	19.6	20.8	23.4	-	-	-	-	-	-
1000	11	11.6	12.2	13.2	14.4	15.4	16.6	17.6	19.8	22	-	-	-	-	-
900	10	10.6	11.0	12.0	13.0	14.0	15.0	16.0	18.0	20	22	-	-	-	-
800	9.0	9.4	10.0	10.8	11.8	12.6	13.6	14.4	16.2	18	19.8	-	-	-	-
700	8.0	8.4	8.8	9.6	10.4	11.2	12.0	12.8	14.4	16	17.6	20	-	-	-
600	7.0	7.4	7.8	8.4	9.2	9.8	10.6	11.2	12.6	14	15.4	17.6	-	-	-
500	6.0	6.4	6.6	7.2	7.8	8.4	9.0	9.6	10.8	12	13.2	15.0	18	-	-
400	5.0	5.2	5.6	6.0	6.6	7.0	7.6	8.0	9.0	10	11.0	12.6	15	17.6	-
300	4.0	4.2	4.4	4.8	5.2	5.6	6.0	6.4	7.2	8.0	8.8	10.0	12	14.0	16
200	3.0	3.2	3.4	3.6	4.0	4.2	4.6	4.8	5.4	6.0	6.6	7.6	9.0	10.6	12
100	2.0	2.2	2.2	2.4	2.6	2.8	3.0	3.2	3.6	4.0	4.4	5.0	6.0	7.0	8.0
50	1.5	1.6	1.7	1.8	2.0	2.2	2.2	2.4	2.8	3.0	3.4	3.8	4.6	5.2	6.0
25	1.3	1.3	1.4	1.5	1.6	1.8	1.9	2.0	2.2	2.6	2.8	3.2	3.8	4.4	5.0
10	1.1	1.2	1.2	1.3	1.4	1.5	1.7	1.8	2.0	2.2	2.4	2.8	3.4	3.8	4.4
0	1.0	1.1	1.1	1.2	1.3	1.4	1.5	1.6	1.8	2.0	2.2	2.6	3.0	3.6	4.0

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