

Duralon® Composite Spherical Bearings For Corrosive Environments

- Self aligning — take dynamic misalignment, oscillating, and linear motion and high load, slow speed full rotation
- Available in cylindrical, hexagonal, and square bore configurations to transmit torque or stop rotation
- Designed to fit ball bearing, flange and pillow blocks or cylindrical housings
- Self-lubricating corrosion resistant for contaminant free and maintenance free operation
- No special tools required for installation



DURALON® COMPOSITE

DURALON COMPOSITE SPHERICAL BEARINGS are designed for a wide variety of applications in hostile environments. Their unique corrosion resistance makes them ideal for use in food and beverage processing equipment, packaging machinery, any mechanisms that are habitually immersed in liquids, are exposed to high humidity, or that must operate in dusty, dirty conditions. Perfect for oceanic and fresh water use because they eliminate galvanic and fretting corrosion.

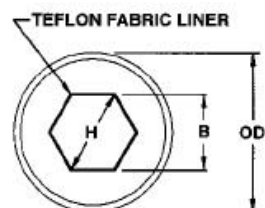
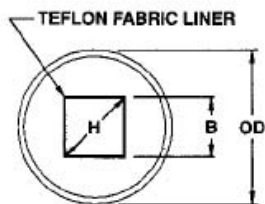
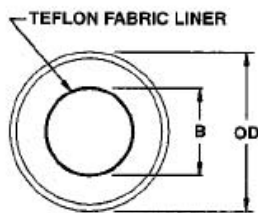
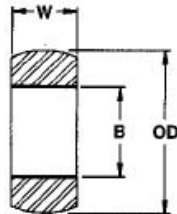
They are constructed of Teflon® and polyester fiber woven into a self-lubricating bondable fabric supported by a filament-wound fiberglass epoxy shell and are available with or without the Teflon® fabric on the outside spherical surface.

A full range of sizes is available in made-to-order assemblies, to 30 inch diameter or metric sizes, with or without loader slots. Self-lubricating surfaces and high capacities to 20,000 psi dynamic loading and low wear rates. Operating temperatures from -65° to 325° F. Supplied in standard pillow or flange blocks, with or without electroless nickel plating. Flange blocks are also available in polyamide.



SPHERICAL

ID SIZE	B	*OD	W	H
.500 and .625				
711-01008-016	.504/.503	1.575	.510/.490	
711-70008-016	.505/.503 Square	1.575	.510/.490	.687/.667
711-90008-016	.506/.503 Hex	1.575	.510/.490	.557/.537
711-01010-016	.629/.628	1.575	.510/.490	
711-70010-016	.630/.628 Square	1.575	.510/.490	.863/.843
711-90010-016	.631/.628 Hex	1.575	.510/.490	.701/.681
.750				
711-02012-019	.754/.753	1.850	.590/.570	
711-70012-019	.755/.753 Square	1.850	.590/.570	1.040/1.020
711-90012-019	.756/.753 Hex	1.850	.590/.570	.845/.825
.875, 1.000, 1.125, and 1.250				
711-01014-019	.879/.878	2.047	.590/.570	
711-70014-019	.880/.878 Square	2.047	.590/.570	1.217/1.197
711-90014-019	.881/.878 Hex	2.047	.590/.570	.990/.970
711-01016-019	1.004/1.003	2.047	.590/.570	
711-70016-019	1.005/1.003 Square	2.047	.590/.570	1.394/1.374
711-90016-019	1.006/1.003 Hex	2.047	.590/.570	1.134/1.114
711-02018-019	1.129/1.128	2.047	.590/.570	
711-70018-019	1.130/1.128 Square	2.047	.590/.570	1.571/1.551
711-90018-019	1.132/1.128 Hex	2.047	.590/.570	1.279/1.259
711-03020-019	1.254/1.253	2.047	.590/.570	
711-70020-019	1.255/1.253 Square	2.047	.590/.570	1.747/1.727
711-90020-019	1.257/1.253 Hex	2.047	.590/.570	1.423/1.403
1.375 and 1.500				
711-02022-023	1.379/1.378	2.441	.708/.688	
711-70022-023	1.380/1.378 Square	2.441	.708/.688	1.924/1.904
711-90022-023	1.382/1.378 Hex	2.441	.708/.688	1.567/1.547
711-02024-023	1.504/1.503	2.441	.708/.688	
711-70024-023	1.505/1.503 Square	2.441	.708/.688	2.101/2.081
711-90024-023	1.507/1.503 Hex	2.441	.708/.688	1.712/1.692

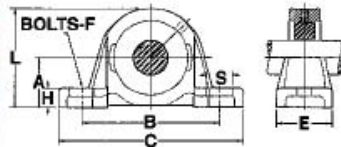


*Available with woven fabric on OD for dynamic misalignment
Bearing number changes from 711 to 718

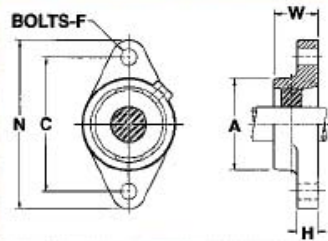
SPHERICAL BEARINGS

PILLOW BLOCK**

Refer to page 2 for proper insert designation

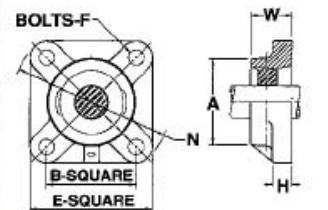


	SHAFT SIZES	A	B	C	E	F	H	L	N	S	W
P3-2110	.500 and .625	1.1875	3.5000	4.6250	1.5000	0.3750	0.5000	2.3438	—	0.7500	—
P3-2120	.750	1.3125	3.8750	5.1250	1.5000	0.3750	0.5000	2.5938	—	0.6875	—
P3-2160	.875 thru 1.250	1.4375	4.0000	5.3750	1.6250	0.3750	0.5625	2.8750	—	0.6875	—
P3-2190	1.375 and 1.500	1.6875	4.6250	6.3125	1.7500	0.5000	0.6875	3.3125	—	0.9375	—



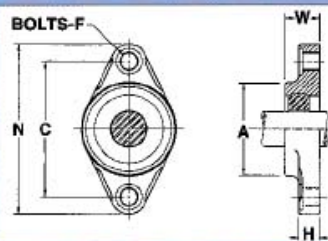
2 BOLT FLANGE**

	SHAFT SIZES	A	B	C	E	F	H	L	N	S	W
FX3-2110	.500 and .625	2.1250	—	3.0000	—	0.3750	0.5000	—	3.8750	—	0.9375
FX3-2120	.750	2.4375	—	3.5312	—	0.3750	0.5625	—	4.4062	—	1.9038
FX3-2160	.875 thru 1.250	2.6875	—	3.8906	—	0.4375	0.5938	—	4.9062	—	1.1563
FX3-2190	1.375 and 1.500	3.1875	—	4.5938	—	0.4375	0.5938	—	5.5938	—	1.2344



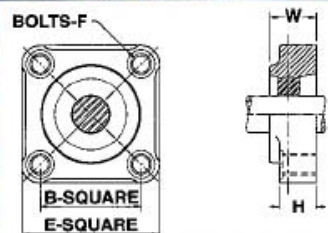
4 BOLT FLANGE**

	SHAFT SIZES	A	B	C	E	F	H	L	N	S	W
F3-2110	.500 and .625	2.1250	2.1250	—	3.0000	0.3750	0.4375	—	3.8750	—	0.9375
F3-2120	.750	2.4375	2.5000	—	3.3750	0.3750	0.4375	—	4.4062	—	1.9038
F3-2160	.875 thru 1.250	2.6875	2.7500	—	3.7500	0.4375	0.5000	—	4.9062	—	1.1563
F3-2190	1.375 and 1.500	3.1875	3.2500	—	4.2500	0.4375	0.5000	—	5.5938	—	1.2344



2 BOLT FLANGE*

	SHAFT SIZES	A	B	C	E	F	H	L	N	S	W
KFX-S212	.750	2.44	—	3.543	—	0.4375	0.79	—	4.56	—	0.98
KFX-S216	.875 thru 1.250	2.80	—	3.898	—	0.4375	0.88	—	5.12	—	1.08



4 BOLT FLANGE*

	SHAFT SIZES	A	B	C	E	F	H	L	N	S	W
KF-S216	.875 thru 1.250	—	2.756	—	3.86	0.4375	0.88	—	—	—	1.08
KF-S2E20	1.375 and 1.500	—	3.268	—	4.33	0.4375	1.02	—	—	—	1.24

** Now available with electroless nickel plating - Add "N" at end of Part No.
* Polyamide housing