



# Fluidline Bearings

LM76 Fluidline Bearings are an internally lubricated thermoplastic polyester which provides for enhanced wear and chemical inertness. Fluidline is a self-lubricating, low friction, lightweight, low wear material which excels in applications requiring FDA, USDA and 3A compliance. Fluidline is available in standard off-the-shelf sizes which are drop-in replacements for all inch (metric available upon request) linear ball bearings. Fluidline bearings feature excellent washdown resistance. Fluidline bearings exhibit a **stunning** operational smoothness when matched with our ceramic coated aluminum shafting (also FDA/USDA compliant). Standard pillow block and flange block assemblies are also available. NOTE: Bearings available in closed version only.

Part Number	ID	Shaft Class L RC60 300 SS Aluminum	OD	Length	Distance Between Snap-Ring Grooves	Distance Between O-Ring Grooves
FDL 4	1/4"	Class L	0.5000	0.750	0.437	0.018
FDL 6	3/8"	Class L	0.6250	0.875	0.562	0.260
FDL 8	1/2"	Class L	0.8750	1.250	0.625	0.490
FDL 10	5/8"	Class L	1.1250	1.500	0.940	0.550
FDL 12	3/4"	Class L	1.2500	1.625	1.062	0.612
FDL 16	1"	Class L	1.5625	2.250	1.625	1.180



FDA/USDA/3A	YES
Washdown	YES
Low Friction	YES
Low Wear	YES
Soft 300 SS Shafting	YES
Off-the-Shelf	YES

For more information, please contact  
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PV Pressure Velocity	Coefficient of Friction Dynamic (Steel)	Wear Factor "k" x "10"	Continuous Service Temp F	Water Absorption Immersion 24 Hours % by Weight	Hardness Durometer Shore "D" 73 F
12,000	.19	35	210	0.06	D80

K Factor or Wear Rate is expressed by a number. The lower the number, the better the wear rate. For instance, popular non-metallic bearing material, Delrin™ AF has a K Factor of 60.

Food Applications	Systems
Meat & Meat Byproducts	Packaging Machinery
Dairy ( Cheese, Milk, Ice Cream )	Food Process
Fruit Juices	Medical
Bakery Goods	Pharamceutical
Processed Foods	Washing



LM76 is a comprehensive designer and manufacturer of sleeve bearing products for the packaging machinery, food process, medical and pharmaceutical systems. Since 1938, we been at the forefront of plain bearing design and engineered solutions. If you have an application where bearings are at issue, please call us.

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