Oil Free Bushings - Guide

Copper Alloy

Copper Alloy	Гуре		Part Number	Appearance	Features	Page
Straight	Standard	I.D. F7 I.D. E7 I.D. G6	MPBZ MPBZU MPBR MPBRU MPBPU C-MPBZ		Optimal for use in heavy load and low speed applications. Provides high friction resistance when oil film formation is discouraged by reciprocating motions or frequent starts and stops. Thin Wall version is also available. (C-VALUE Products are suitable for medium load and low speed applications)	P.381 P.382 P.385 P.386
Flanged	Standard	I.D. E7 I.D. F7	MPFZ MPFZU C-MPFZ			P.383 P.384 P.387
	Standard	I.D. E7	MPGZ		Lubricant is embedded in the flange so that one bushing can bear radial load and thrust load at the same time.	
Thrust	Countersunk Hole	I.D. F7	MPSZ			P.388
	Low Head Cap Screw Hole	I.D. F7	МРКZ			
	Standard	I.D. F7	MPTZ MPTSZ MPTNZ			P.389
Flange Integrated	Pilot	I.D. F7	MPIZ MPITZ	C B	Reduces the time of assembling. Requires less space compared to Flanged Copper Alloy Built-in Type.	P.390
	Center	I.D. F7	MPCZ MPCTZ			1.550
	Standard	Single	MF S MF S-S MF S-DS	C	Reduces the time of manufacturing and assembling the housing. Space-saving Compact Type is available in 2 types : Single and Double (Only for Standard and Pilot Flanged) ("-S" signifies Built-in Non-Contact Sealed Type. ("-DS" signifies Built-in Contact Sealed Type.	P.393
			MF W MF W-S MF W-DS	.C		
Flanged Housing Units Built-In Copper Alloy Bushings	Pilot	Single	MFI_S MFI_S-S			
		Double	MFI_W MFI_W-S	Č)		1.004
	Center	Double	MFC_W MFC_W-S			P.392
Housing Units - Blocks Built-In Copper Alloy Bushings	Tall Blocks	Single	MHUTS MHUTS-S MHCTS MHCTS-S	(()		
	Double	MHUTW MHUTW-S MHCTW MHCTW-S	C	Reduces the time of manufacturing and assembling the housing. Added Space-saving Compact Type to the lineup	P.395	
	Wide Blocks	Single	MHUAS MHUAS-S MHCAS MHCAS-S		of the conventional products compatible with the Linear Bushing Housing Units.	P.396
	Wide Blocks Double	MHUAW MHUAW-S MHCAW MHCAW-S				

Bronze						
1	Туре			Appearance	Features	Page
Straight	Standard	I.D. E7 I.D. F7	SHBZ SHBR		Porous bronze casting soaked in lubricant. You can use it as oil free, but much superior	P.391
Flanged	Standard	I.D. E7	SHFZ		abrasion and seizing resistance can be achieved when used with lubricant. Best suited for high-speed and low-load	F.331
Flange Integrated	Standard	I.D. F7	SHTZ SHTNZ		applications when used with lubricant. Lubrication frequency can be reduced.	P.392

Casting

	Гуре	Part Number	Appearance	Features	Page
Straight	Standard	SMZ			
Flanged	Standard	SMZF	0	Oil free, high performance in medium load and low speed applications.	
Housing Units	Short / Long	MHSR		The spirally embedded Molybdenum Disulfide lubricant enables a low friction coefficient in both reciprocal and oscillating motion.	
Flange Integrated	Standard	SMZH			

Multi-Layer LF

	Туре		Part Number	Appearance	Features	Page
Straight	Standard		MDZB		Thin Wall, Compact Type Excels in friction and chemical resistance. Low abrasion coefficient under heavy load and low speed conditions. When used with lubricant, it can be used in mid- to-high speed area at a high PV value.	
Flanged	Standard		MDZF	S		
Flanged Housing Units Built-In Multi-Layer LF Bushings	Standard	Single	MD		Flanged Housing Unit Type of the above. Flanged Housing Unit Type can reduce the time of manufacturing and assembling the housing.	P399
		Double	MD			F.399
Housing Units - Blocks Built-In Multi-Layer LF Bushings	Tall Blocks Double	Single	MDBA MDBAC	•		
		MDBAW	C '	Housing Unit Type of the above. Housing Unit Type can reduce the time of manufacturing and assembling the housing.	P.400	
	Wide Blocks	Single	MDWBA	•		

High Precision

Туре		Part Number	Appearance	Features	Page
Straight	Standard	BFLB		Thin wall, light weight and compact. Fine accuracy of 1.0./D.0. tolerances allows easy mounting. Maintains high abrasion resistance and low friction coefficient under high speed condition. Mild metals such as Aluminum can be used as mating shafts.	P.399

Polyacetal (Polyacetal Resin)

	Туре			Appearance	Features	Page
Straight	Stand	lard	JZB		Excels in load capacities and abrasion resistance. With low static friction coefficient, provides high	
Flanged	Stand	lard	JZF		velocity properties. Prevents stick-slips and rasping noise. Conforms to Food Sanitation Law.	
Flanged Housing Units Built-In Polyacetal Bushings	Standard	Single	JFMA JFRA	000	Built-in Polyacetal bushings can reduce the time	P.402
Housing Units - Blocks Built-In Polyacetal Bushings	Tall Blocks	Single	JFBA	•	of manufacturing and assembling the housing.	1.402

Polyacetal (PTFE)

Туре		Part Number	Appearance	Features	Page
Straight	Standard	TFZB		Low static friction coefficient on start-up and no stick slips during operation. Maintains high abrasion resistance and low friction coefficient under high speed condition.	
Flanged	Standard	TFZF		Excels in chemical resistance and conforms to Food Sanitation Law. Mild metals such as Aluminum can be used as mating shafts.	