

MAINTENANCE-FREE
HIGH WEAR RESISTANCE
ABOVE AVERAGE LOADS
DRY-RUNNING

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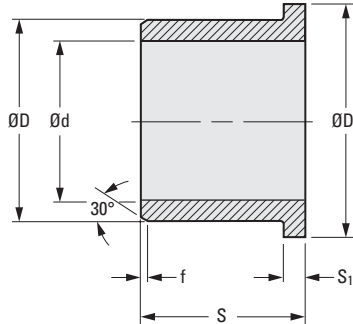
SDP/SI



➤ **MATERIAL:**
G300® Polymer

➤ **OPERATING TEMPERATURE:**
-40°C to +130°C

For additional information concerning the bearing material, see page 5-37.



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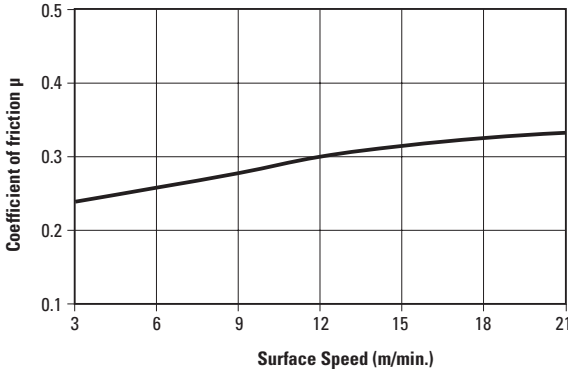
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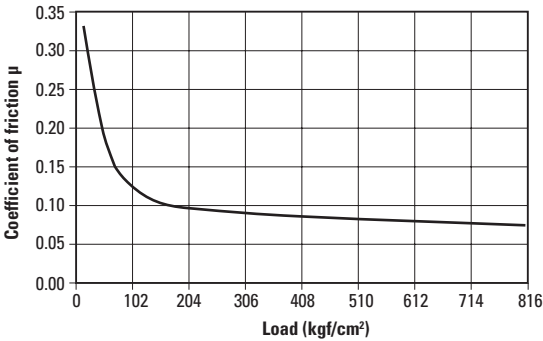
METRIC COMPONENT

Catalog Number	d Bore	d Tolerance	D Dia.	D ₁ Dia. d13	S h13	S ₁ 0 -0.14	I.D. After Pressfit	
							Max.	Min.
S99GGFM030503	3	+0.054/+0.014	4.5	7.5	3	0.75	3.054	3.014
S99GGFM040604	4	+0.068/+0.020	5.5	9.5	4		4.068	4.020
S99GGFM050605	5	+0.040/+0.010	6	10	5	0.5	5.040	5.010
S99GGFM060808	6	+0.068/+0.020	8	12	8		6.068	6.020
S99GGFM081010	8	+0.083/+0.025	10	15	10	1	8.083	8.025
S99GGFM101212	10		12	18	12		10.098	10.040
S99GGFM121415	12	+0.102/+0.032	14	20	15		12.102	12.032
S99GGFM161817	16		18	24	17		16.102	16.032
S99GGFM202120	20	+0.072/+0.020	21	25	20	0.5	20.072	20.020

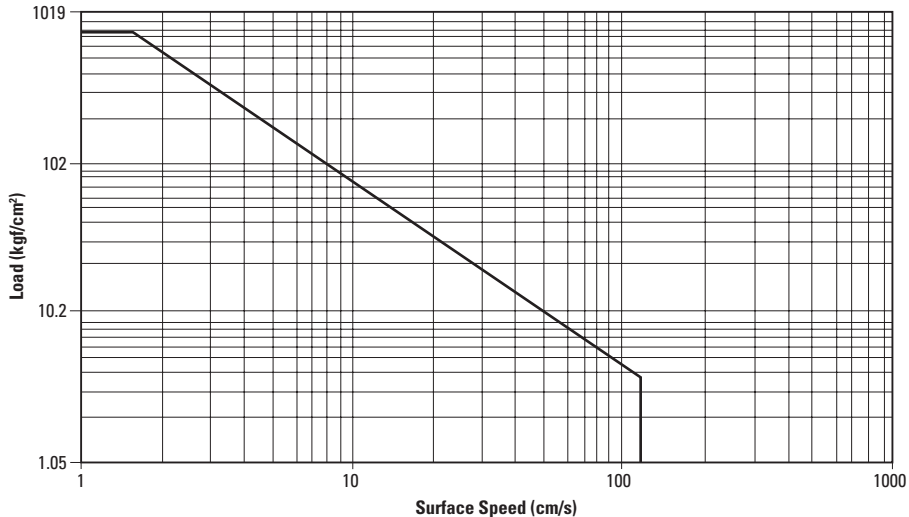
Catalog Number (Ref.)	Housing Bore		Shaft Size		f
	Max.	Min.	Max.	Min.	
S99GGFM030503	4.512	4.500	3.000	2.975	0.3
S99GGFM040604	5.512	5.500	4.000	3.970	
S99GGFM050605	6.012	6.000	5.000	4.970	
S99GGFM060808	8.015	8.000	6.000	5.970	
S99GGFM081010	10.015	10.000	8.000	7.964	0.5
S99GGFM101212	12.018	12.000	10.000	9.964	
S99GGFM121415	14.018	14.000	12.000	11.957	
S99GGFM161817	18.018	18.000	16.000	15.957	0.8
S99GGFM202120	21.021	21.000	20.000	19.948	



Surface Speed (m/min.)
Graph 1: Coefficient of friction of G300® as a result of the running speed; $p = 7.6 \text{ kgf/cm}^2$



Graph 2: Coefficient of friction of G300® as a result of the load; $v = 0.6 \text{ m/min.}$



Graph 3: Permissible $p \times v$ - values for G300® running dry against a steel shaft, at 20°C.



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