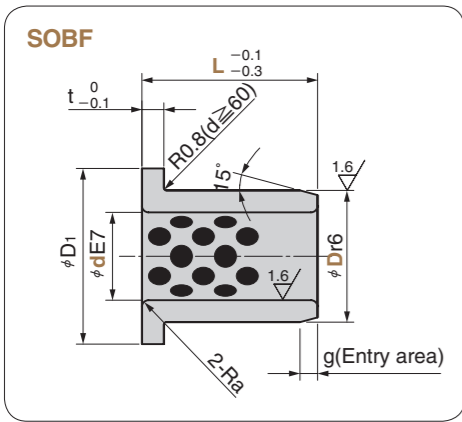


Oilless Bush Bronze · Flange Type SO#50SP2

RoHS



Order **Catalog No.** **SOBF** **d** - **D** - **L**
 90 - 110 - 60

d	E7	D	r6	D ₁	t	Ra	g	Tolerance d after press-fit	Catalog No.	d	D	L
60		75	+0.062 +0.043	90				+0.052 +0.021	SOBF	60	75	40
					7.5					75	80	50
70	+0.090 +0.060	85		105						80	100	60
								+0.045 +0.014		105	120	80
80		100	+0.073 +0.051	120		3	3			120	150	100
										150	170	120
90		110		130	10					170	200	150
								+0.059 +0.023		200	250	200
100	+0.107 +0.072	120	+0.076 +0.054	150						250	300	250
										300	350	300
120		140	+0.088 +0.063	170				+0.051 +0.015		350	400	350
										400	450	400

■ Operation Range (SO#50SP2)

Lubricant Type	Lubricating Condition	Environment Condition	Max. Allowable Load P N/mm ²	Max. Allowable Sliding Speed V m/min	Max. Allowable PV value N/mm ² ·m/min	Operation Range Temperature °C
GR-1	No lubrication	Atmosphere	100	15	150	-50~+300
	Regular lubrication(Grease)			30	200	-50~+150

■ Physical Properties (SO#50SP2)

Specific Gravity g/cm ³	Hardness HB	Elongation %	Tensile Strength N/mm ²	Linear Expansion Coefficient ×10 ⁻⁵ /°C
7.9	210 or more	12 or more	755 or more	1.9

Oilless Bush Bronze · Thin Flange Type SO#50SP2

RoHS

SOBFU

● Sliding Direction

- Mating post tolerance
 - d8: General use (high load)
 - e7: General use (light load)
 - f7: High precision
- Other operating conditions and characteristics
 - Can be used in the atmosphere and fresh water (on condition).
 - Good performance in operation under high load and at low speed.

⚠ Operation temperature is 150°C or less

Material
 Base Bronze with Graphite (SP2)
 Solid lubricant (GR-1)

d	E7	D	r6	D ₁	T	T ₁	Tolerance d after press-fit	Catalog No.	d	D	L
5		7		11				SOBFU	5	7	10
							+0.017 +0.005		7	12	10
6	+0.032 +0.020	8		12					8	12	15
			+0.028 +0.019						12	15	20
8		10		14	1	2	+0.023 +0.008		15	20	25
									20	25	30
10	+0.040 +0.025	12		16			+0.020 +0.004		25	30	35
									30	35	40
12		15		21					35	40	45
			+0.034 +0.023						40	45	50
13		16		22	1.5		+0.030 +0.011		45	50	55
						3			50	55	60
15	+0.050 +0.032	18		24				55	60	65	
								60	65	70	
16		20		26			+0.025 +0.006	65	70	75	
								70	75	80	
20		24	+0.041 +0.028	32	2			75	80	85	
							+0.036 +0.014	80	85	90	
25	+0.061 +0.040	29		37		4		85	90	95	
								90	95	100	
30		34	+0.050 +0.034	42			+0.031 +0.009	95	100	105	
								100	105	110	

Order **Catalog No.** **SOBFU** **d** - **D** - **L**
 20 - 24 - 30