

**SB-450 Metal Backed Bronze Powder with Graphite**

**Structure**

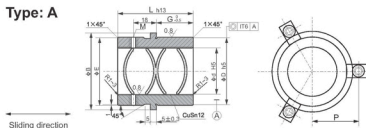
SB-450 is the Steel backed bronze alloy lined bearing material, the work surface can be produced the oil groove if requested which can improve the oil giving system. Characteristic compare with the traditional steel bushes this structure provides the material have lower friction, excellent wear resistance, higher temp. can bear etc. . Now the bearings have been succeed in the high speed mold & Die industries.

**Tech. Data**

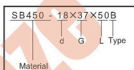
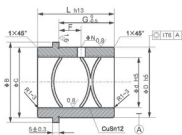
SB Standard	SB-450
Steel	≥45HRC
Bronze alloy	≥80HB
Max. Static load	50N/mm <sup>2</sup>
Max. Dynamic load	30N/mm <sup>2</sup>
Max. Speed	1.2m/s
Max. PV	1.2N/mm <sup>2</sup> *m/s
Friction coefficient	0.05~+0.20
Temp. ( °C )	-50~+250

## SB-450 Cylindrical Bushing, Metric Size List

### Type: A



### Type: B



Unit:mm

Type	d	D	B	C	E	F	G	L	M	N	P	Housing
B	18-19	28	34	29	—	8	18	31	—	5	20.5	28 <sup>+0.013</sup> <sub>0</sub>
A				—	31	—	27	18	50	M6X1		
B	24-25	38	44	39	—	12	23	36	—	5	25.5	38 <sup>+0.016</sup> <sub>0</sub>
A				—	41	—	32	23	55	M10X1		
B	30-32	45	53	48	—	16	30	43	—	5	31.5	45 <sup>+0.016</sup> <sub>0</sub>
A				—	50	—	26	37	60	M10X1		
B	40-42	54	63	58	—	19	38	51	—	8	36.5	54 <sup>+0.019</sup> <sub>0</sub>
A				—	60	—	30	47	67	M10X1		
B	50-52	65	79	74	—	19	48	61	—	8	44.5	65 <sup>+0.019</sup> <sub>0</sub>
A				—	76	—	35	57	75	M10X1		
B	63	81	92	87	—	19	61	74	—	8	51	81 <sup>+0.022</sup> <sub>0</sub>
A				—	89	—	48	67	90	M10X1		
B	80	100	111	106	—	19	76	91	—	8	60.5	100 <sup>+0.022</sup> <sub>0</sub>
A				—	108	—	48	77	100	M10X1		

● The above mentioned sizes are only for reference, SinoBronze can produce the parts according to the customers drawings.