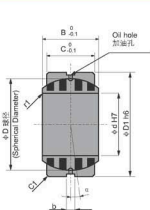


## SPS / SB-SOBS Oilless Spherical Plain Bearing 自润滑关节轴承



Spherical bushing assembly  
关节轴承的装配

• Bore (D) = 15 ~ 90 mm



• Bore (D) = 100 mm



**Material Specifications 材料**

内圈材料: 高力黄铜+固体润滑剂  
Inner Ring: CuZn35Sn5Pb+Graphite  
外圈材料: S45C 硬度: HRC25~30  
Outer Ring: S45C Hardness: HRC25~30  
Shaft & Housing: 轴和轴孔公差

Housing: H7 轴孔  
Shaft: g6 轴

**How To Order 订单方式**

Code d Code d  
● SPS 015 ● SOBS 020

Unit(单位): mm

SinoBronze Standard No.	d	H7	D1	h6	B	C	D	b	Alignment Angle α° 调整角度	Allowable Radial Load (kN) 径向承载	Allowable Thrust Load (kN) 轴向载荷
● SPS-015	SOBS-015	15	<sup>+0.018</sup> / <sub>0</sub>	26	<sup>0</sup> / <sub>-0.013</sub>	12	9	22	8	6.5	0.5
SPS-020	● SOBS-020	20	<sup>+0.021</sup> / <sub>0</sub>	32	<sup>0</sup> / <sub>-0.016</sub>	16	14	28	4	12.6	1.4
SPS-025	SOBS-025	25	<sup>+0.021</sup> / <sub>0</sub>	42	<sup>0</sup> / <sub>-0.016</sub>	21	18	36	5	21.8	2.5
SPS-030	SOBS-030	30	<sup>+0.025</sup> / <sub>0</sub>	50	<sup>0</sup> / <sub>-0.019</sub>	27	23	44	6	32.0	3.5
SPS-035	SOBS-035	35	<sup>+0.025</sup> / <sub>0</sub>	65	<sup>0</sup> / <sub>-0.019</sub>	30	26	49	5	43.7	4.8
SPS-040	SOBS-040	40	<sup>+0.030</sup> / <sub>0</sub>	80	<sup>0</sup> / <sub>-0.022</sub>	33	28	55	6	54.7	5.7
SPS-045	SOBS-045	45	<sup>+0.030</sup> / <sub>0</sub>	72	<sup>0</sup> / <sub>-0.022</sub>	36	31	62	4	69.7	7.2
SPS-050	SOBS-050	50	<sup>+0.030</sup> / <sub>0</sub>	80	<sup>0</sup> / <sub>-0.022</sub>	42	36	70	5	92.4	10
SPS-060	SOBS-060	60	<sup>+0.030</sup> / <sub>0</sub>	100	<sup>0</sup> / <sub>-0.025</sub>	53	45	90	6	143	16
SPS-070	SOBS-070	70	<sup>+0.030</sup> / <sub>0</sub>	110	<sup>0</sup> / <sub>-0.022</sub>	58	50	99	5	181	20
SPS-080	SOBS-080	80	<sup>+0.030</sup> / <sub>0</sub>	130	<sup>0</sup> / <sub>-0.025</sub>	70	60	115		254	30
SPS-090	SOBS-090	90	<sup>+0.030</sup> / <sub>0</sub>	140	<sup>0</sup> / <sub>-0.025</sub>	76	65	125	6	313	36
SPS-100	SOBS-100	100	<sup>+0.030</sup> / <sub>0</sub>	160	<sup>0</sup> / <sub>-0.025</sub>	88	75	145		544	64
SPS-110	SOBS-110	110	<sup>+0.040</sup> / <sub>0</sub>	170	<sup>0</sup> / <sub>-0.029</sub>	93	80	155	5	642	73
SPS-120	SOBS-120	120	<sup>+0.040</sup> / <sub>0</sub>	190	<sup>0</sup> / <sub>-0.029</sub>	105	90	170	6	797	94
SPS-120	SOBS-120	130	<sup>+0.040</sup> / <sub>0</sub>	200	<sup>0</sup> / <sub>-0.029</sub>	110	95	180	5	880	105
SPS-140	SOBS-140	140	<sup>+0.040</sup> / <sub>0</sub>	210	<sup>0</sup> / <sub>-0.029</sub>	90	70	180	7	668	56
SPS-150	SOBS-150	150	<sup>+0.040</sup> / <sub>0</sub>	220	<sup>0</sup> / <sub>-0.032</sub>	120	105	200	5	1135	129
SPS-160	SOBS-160	160	<sup>+0.040</sup> / <sub>0</sub>	230	<sup>0</sup> / <sub>-0.032</sub>	105	80	200	8	891	73
SPS-180	SOBS-180	180	<sup>+0.040</sup> / <sub>0</sub>	260	<sup>0</sup> / <sub>-0.032</sub>	105	80	225	6	1002	74
SPS-200	SOBS-200	200	<sup>+0.040</sup> / <sub>0</sub>	290	<sup>0</sup> / <sub>-0.032</sub>	130	100	250	7	1434	117
SPS-220	SOBS-220	220	<sup>+0.046</sup> / <sub>0</sub>	320	<sup>0</sup> / <sub>-0.036</sub>	135	100	275		1577	118
SPS-240	SOBS-240	240	<sup>+0.052</sup> / <sub>0</sub>	340	<sup>0</sup> / <sub>-0.036</sub>	140	100	300	8	1720	118
SPS-260	SOBS-260	260	<sup>+0.052</sup> / <sub>0</sub>	370	<sup>0</sup> / <sub>-0.036</sub>	150	110	325	7	2072	143
SPS-280	SOBS-280	280	<sup>+0.052</sup> / <sub>0</sub>	400	<sup>0</sup> / <sub>-0.040</sub>	155	120	350	6	2455	172
SPS-300	SOBS-300	300	<sup>+0.052</sup> / <sub>0</sub>	430	<sup>0</sup> / <sub>-0.040</sub>	165	120	375	7	2630	172