



SRI02

边界润滑轴套 MARGINAL LUBRICATING BUSHING

标准 STANDARD:
德制 DIN1494
国际标准 ISO3547
亚洲标准
国家标准

SRI02 碳钢基边界无铅自润滑轴承 SRI02 Marginal Pb-free self-lubricating bearing

钢 + 球形青铜粉 + 聚甲醛 (POM)
Steel+Porous bronze+POM



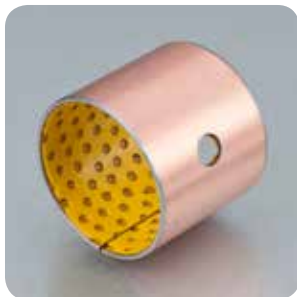
SRI02 边界润滑轴承，该产品以优质低碳钢为基体，中间烧结球形青铜层，表面轧制改性聚甲醛 (POM)。在边界润滑条件下可长期使用而不加油，耐磨层表面有储油坑。产品广泛应用于冶金机械、矿山机械、水利机械、汽机车、建筑机械、农用机械、轧钢行业等。

SRI02 Marginal Pb-free self-lubricating bearing is used steel-backing as its structure, sintered porous bronze as its interlayer, surface inlaid the modified POM. Suitable for marginally lubricated and dry operation on the conditions of lubrication indents grease. It has been widely applied to metallurgical machinery, Mine machinery, water conservancy machinery, vapor locomotive, building machinery, agriculture machinery, steel rolling industry etc.

最大承载压力 Load capacity P	静承载 Static	N/mm ²	250	最高滑动速度 (油润滑) Max line speed V	m/s	2.5
	动承载 Dynamic	N/mm ²	140	使用温度 Temp.limit	°C	-40 ~ +130
	摇摆运动 Oscillating	N/mm ²	60	摩擦系数 Friction Coef.	μ	0.05 ~ 0.25
最大 PV 值 PVlimit	油润滑 Oil	N/mm ² · m/s	22	导热系数 Thermal conductivity	W/m · K	13
	干摩擦 Dry	N/mm ² · m/s	2.8	线胀系数 Linear expansion	11 × 10 ⁻⁶ /K	

SRI02Y 碳钢基边界无铅自润滑轴承 SRI02Y Marginal Pb-free self-lubricating bearing

钢 + 球形青铜粉 + 聚甲醛 (POM)
Steel+Porous bronze+POM



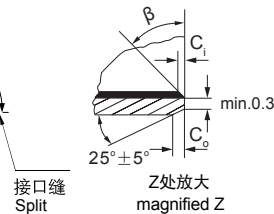
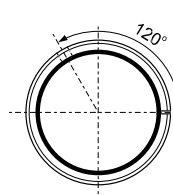
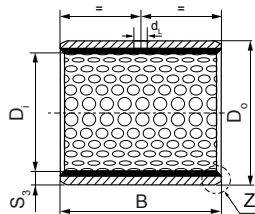
SRI02Y 碳钢基边界无铅自润滑轴承，该产品与 SRI02 具有相同结构和使用性能，在边界润滑条件下可长期使用而不加油，耐磨层表面有储油坑。产品广泛应用于冶金机械、矿山机械、水利机械、汽机车、建筑机械、农用机械、轧钢行业等。

SRI02Y has the same structure and functional performance with SRI02. It can work long time without oil in the condition of prelubricated with lubrication indents. Widely applied to metallurgy machinery, Mining machinery, water conservancy machinery, automobile, building machinery, agriculture machinery, rolling steel industry etc.

最大承载压力 Load capacity P	静承载 Static	N/mm ²	250	最高滑动速度 (油润滑) Max line speed V	m/s	2.5
	动承载 Dynamic	N/mm ²	140	使用温度 Temp.limit	°C	-40 ~ +130
	摇摆运动 Oscillating	N/mm ²	60	摩擦系数 Friction Coef.	μ	0.05 ~ 0.2
最大 PV 值 PVlimit	油润滑 Oil	N/mm ² · m/s	22	导热系数 Thermal conductivity	W/m · K	13
	干摩擦 Dry	N/mm ² · m/s	2.8	线胀系数 Linear expansion	11 × 10 ⁻⁶ /K	

SRI02 边界润滑轴套

SRI02 Marginal Lubricating Bushing



内外倒角

S_3	C_o	C_i	β
1.0	0.6 ± 0.3	0.30 ± 0.2	$30^\circ \pm 5^\circ$
1.5	0.7 ± 0.3	0.50 ± 0.2	$30^\circ \pm 5^\circ$

S_3	C_o	C_i	β
2.00	1.2 ± 0.4	0.50 ± 0.3	$30^\circ \pm 5^\circ$
2.50	1.8 ± 0.6	0.60 ± 0.3	$45^\circ \pm 5^\circ$

※标准直套标注方式：Standard Bushing Label Mode SRI02

单位unit:mm

型号规格 Designation	轴径 D _i h8	座孔 H7 D _H	外径公差 D _O	压装后 内孔公差 D _{La}	配合间隙 C _D	壁厚 S ₃	油孔 d _L	长度 B ⁰ _{-0.40}									
								10	15	20	25	30	35	40	45	50	60
SRI02	10 _{-0.022}	12 ^{+0.018}	12 ^{+0.065} _{+0.030}	10.108 10.040	0.130 0.040	0.980 0.955	4	1010	1015	1020							
SRI02	12 _{-0.027}	14 ^{+0.018}	14 ^{+0.065} _{+0.030}	12.108 12.040	0.135 0.040			1210	1215	1220							
SRI02	14 _{-0.027}	16 ^{+0.018}	16 ^{+0.065} _{+0.030}	14.108 14.040				1415	1420								
SRI02	15 _{-0.027}	17 ^{+0.018}	17 ^{+0.065} _{+0.030}	15.108 15.040				1515	1520	1525							
SRI02	16 _{-0.027}	18 ^{+0.018}	18 ^{+0.065} _{+0.030}	16.108 16.040				1615	1620	1625							
SRI02	18 _{-0.027}	20 ^{+0.021}	20 ^{+0.075} _{+0.035}	18.111 18.040				0.138 0.040	1815	1820	1825						
SRI02	20 _{-0.033}	23 ^{+0.021}	23 ^{+0.075} _{+0.035}	20.131 20.050	0.164 0.050	1.475 1.445	6	2015	2020	2025	2030						
SRI02	22 _{-0.033}	25 ^{+0.021}	25 ^{+0.075} _{+0.035}	22.131 22.050				2215		2225							
SRI02	25 _{-0.033}	28 ^{+0.021}	28 ^{+0.075} _{+0.035}	25.131 25.050				2515	2520	2525	2530						
SRI02	28 _{-0.033}	32 ^{+0.025}	32 ^{+0.085} _{+0.045}	28.155 28.060	0.188 0.060	1.970 1.935	8			2820		2830					
SRI02	30 _{-0.033}	34 ^{+0.025}	34 ^{+0.085} _{+0.045}	30.155 30.060						3020	3025	3030		3040			
SRI02	35 _{-0.039}	39 ^{+0.025}	39 ^{+0.085} _{+0.045}	35.155 35.060	0.194 0.060					3520		3530	3535	3540			
SRI02	40 _{-0.039}	44 ^{+0.025}	44 ^{+0.085} _{+0.045}	40.155 40.060				4020		4030		4040		4050			
SRI02	45 _{-0.039}	50 ^{+0.025}	50 ^{+0.085} _{+0.045}	45.195 45.080	0.234 0.080	2.460 2.415	8			4520		4530		4540	4545	4550	
SRI02	50 _{-0.039}	55 ^{+0.030}	55 ^{+0.100} _{+0.055}	50.200 50.080	0.239 0.080						5030		5040		5050	5060	
SRI02	55 _{-0.046}	60 ^{+0.030}	60 ^{+0.100} _{+0.055}	55.200 55.080	0.246 0.080						5530		5540		5550	5560	
SRI02	60 _{-0.046}	65 ^{+0.030}	65 ^{+0.100} _{+0.055}	60.200 60.080							6030		6040		6050	6060	

SRI02 边界润滑轴套

SRI02 Marginal Lubricating Bushing

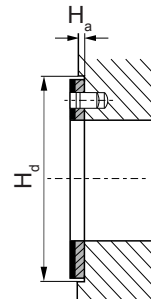
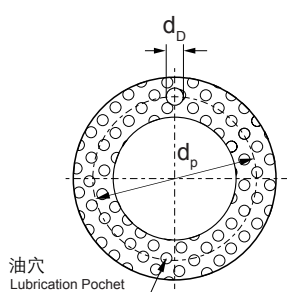
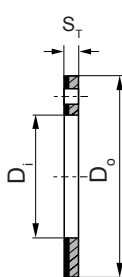


单位unit:mm

型号规格 Designation	轴径 D _i h8	座孔 H7 D _H	外径公差 D _O	压装后 内孔公差 D _{i,a}	配合间隙 C _D	壁厚 S ₃	油孔 d _L	长度 B ⁰ _{-0.40}											
								40	50	60	80	90	95	100	110	120			
SRI02	65 _{-0.046}	70 ^{+0.030}	70 ^{+0.030}	65.200 65.080	0.246 0.080	2.460 2.415	8	6540		6560									
SRI02	70 _{-0.046}	75 ^{+0.030}	75 ^{+0.030}	70.200 70.080				7040	7050		7080								
SRI02	75 _{-0.046}	80 ^{+0.030}	80 ^{+0.030}	75.200 75.080				7540		7560	7580								
SRI02	80 _{-0.046}	85 ^{+0.035}	85 ^{+0.035}	80.265 80.100	0.313 0.100	2.450 2.385	9.5	8040		8060	8080								
SRI02	85 _{-0.054}	90 ^{+0.035}	90 ^{+0.035}	85.265 85.100	0.321 0.100			8540		8560	8580								
SRI02	90 _{-0.054}	95 ^{+0.035}	95 ^{+0.035}	90.265 90.100				9040		9060	9080	9090							
SRI02	100 _{-0.054}	105 ^{+0.035}	105 ^{+0.035}	100.265 100.100						10050		10080		10095					
SRI02	105 _{-0.054}	110 ^{+0.035}	110 ^{+0.035}	105.265 105.100								10560	10580		10595		105110		
SRI02	110 _{-0.054}	115 ^{+0.035}	115 ^{+0.035}	110.265 110.110								11060	11080		11095		110110		
SRI02	120 _{-0.054}	125 ^{+0.040}	125 ^{+0.040}	120.270 120.110	0.324 0.100						12060	12080				120110			
SRI02	125 _{-0.063}	130 ^{+0.040}	130 ^{+0.040}	125.270 125.110							12560						125110		
SRI02	130 _{-0.063}	135 ^{+0.040}	135 ^{+0.040}	130.270 130.110						13050	13060	13080				130100			
SRI02	140 _{-0.063}	145 ^{+0.040}	145 ^{+0.040}	140.270 140.110							14050	14060	14080				140100		
SRI02	150 _{-0.063}	155 ^{+0.040}	155 ^{+0.040}	150.270 150.110							15050	15060	15080				150100		
SRI02	160 _{-0.063}	165 ^{+0.040}	165 ^{+0.040}	160.270 160.110							16050	16060	16080				160100		
SRI02	170 _{-0.063}	175 ^{+0.040}	175 ^{+0.040}	170.270 170.110							17050		17080				170100		
SRI02	180 _{-0.063}	185 ^{+0.046}	185 ^{+0.046}	180.270 180.110	0.339 0.110					18050	18060	18080				180100			
SRI02	190 _{-0.072}	195 ^{+0.046}	195 ^{+0.046}	190.276 190.110						19050	19060	19080				190100		190120	
SRI02	200 _{-0.072}	205 ^{+0.046}	205 ^{+0.046}	200.276 200.110						20050	20060	20080				200100		200120	
SRI02	220 _{-0.072}	225 ^{+0.046}	225 ^{+0.046}	220.276 220.110							22050	22060	22080				220100		220120
SRI02	240 _{-0.072}	245 ^{+0.046}	245 ^{+0.046}	240.276 240.110							24050	24060	24080				240100		240120
SRI02	250 _{-0.072}	255 ^{+0.052}	255 ^{+0.052}	250.282 250.110				0.354 0.110			25050	25060	25080				250100		250120
SRI02	260 _{-0.081}	265 ^{+0.052}	265 ^{+0.052}	260.282 260.110								26050	26060	26080				260100	
SRI02	280 _{-0.081}	285 ^{+0.052}	285 ^{+0.052}	280.282 280.110							28050	28060	28080				280100		280120
SRI02	300 _{-0.081}	305 ^{+0.052}	305 ^{+0.052}	300.282 300.110							30050	30060	30080				300100		300120

SRI02WC 标准公制垫片

SRI02WC Normal Metric Washer



※标准垫片标注方式: Standard Washer Label Mode SRI02WC 10

单位unit:mm

型号规格	轴径 D _s	垫片尺寸				安装尺寸		H _d +0.12
		D _i +0.25	D _o -0.25	S _T -0.05	d _p ±0.125	d _D ^{+0.4} _{+0.1}	H _a ±0.2	
SRI02WC 10	8	10	20	1.5	15	1.5	1	20
SRI02WC 12	10	12	24		18			24
SRI02WC 14	12	14	26		20	2		26
SRI02WC 16	14	16	30		23			30
SRI02WC 18	16	18	32		25			32
SRI02WC 20	18	20	36		28	3		36
SRI02WC 22	20	22	38		30			38
SRI02WC 24	22	24	42		33			42
SRI02WC 26	24	26	44		35			44
SRI02WC 28	26	28	48		38	4		48
SRI02WC 32	30	32	54		43			54
SRI02WC 38	36	38	62		50			62
SRI02WC 42	40	42	66		54			66
SRI02WC 48	46	48	74	61	1.5		74	
SRI02WC 52	50	52	78	65		78		
SRI02WC 62	60	62	90	76		90		