

JIASHAN HAOYU NON-OIL LUBROCATED BEARINGS PLANT.

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HAOYU OIL-LUBRICATED BEARINGS

嘉善浩宇无油润滑轴承厂



HAOYU OIL-LUBRICATED BEARINGS

公司简介 Introduction

嘉善浩宇无油润滑轴承厂地处长江三角洲都市经济圈前缘，与上海零距离接壤，距杭州、苏州均约90公里，地理位置优越，交通十分便利。

嘉善浩宇无油润滑轴承厂是一家专业生产的SF-1型、SF-2型、JDB、轴承板材、不锈钢轴承套、镀锡轴承套等产品。其经营的SF-1型、SF-2型、JDB、BU不锈钢轴承套、镀锡轴承套畅销消费者市场，产品在消费者当中享有较高的地位，与多家零售商建立了长期的合作关系。公司生产的轴承套品种齐全、价格合理。且该公司重信用、守合同、保证产品质量，以多品种经营特色原则，赢得了广大客户的信任。价格方面也远远低于其他生产单位。公司现诚心等待各位买家的咨询及订购！

嘉善浩宇无油润滑轴承厂产品拥有五大类别，二十大系列，上千种规格。生产过程中严格控制生产流程，精确量化每一个生产环节，积极配合客户之无忧运转之目的。





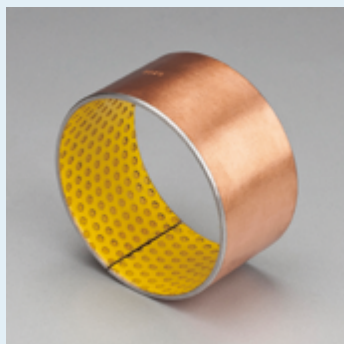
低碳钢+铜粉+POM（纤维）

HYB-20 边界润滑轴承 Marginal-Lubrication Bearing

适用于高载低速下的旋转、摇摆运动以及在重载下经常启闭而无法加油的部位，在边界润滑条件下可长期使用而不用加油，过程加油将会大大提高轴套的使用寿命。耐磨层表面有规格的油穴可以作为储油孔使用。目前已广泛用于冶金机械、矿山机械、水利机械、汽机车、建筑机械、农用机械、轧钢机械等。

For high load low speed of rotation, oscillating motion and the heavy load can not open and close as often as the site, under the boundary lubrication conditions, long-term use without refueling, refueling process will greatly improve the life of sleeve. Wear-resistant surface layer of the oil hole size holes can be used as storage. Has been widely used in metallurgical machinery, mining machinery, irrigation machinery, motor vehicles, construction machinery, agricultural machinery, steel rolling machinery.

最大承载 Max. Load	静承载 Static	250 N/mm ²	使用温度 Temp.		-195°C ~ 280°C
	动承载 Dynamic	140 N/mm ²	摩擦系数 Friction coefficient	干 Dry	0.03 ~ 0.20
最高线速度 Max. Speed	旋转承载 Rotating oscillating	60 N/mm ²		流体 Lubrication	>2m/s
	干 Dry	2m/s		导热系数 Thermal conductivity	42W (m·k) ⁻¹
最大PV(干) Max. PV(Dry)	流体 Lubrication	>2m/s		热膨胀系数 coefficient of thermal expansion	11×10 ⁻⁶ k ⁻¹
	短时间 Short-term	3.6 N/mm ² ·m/s			
	连续 Continuos	1.8 N/mm ² ·m/s			



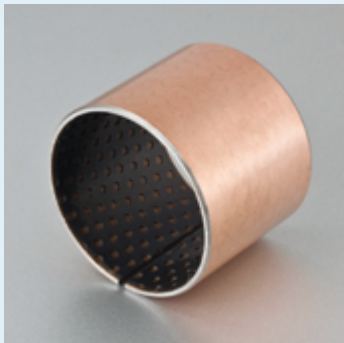
低碳钢+铜粉+POM（纤维）

HYB-2Y 边界润滑轴承 Marginal-Lubrication Bearing

HYB-2Y边界润滑轴承，是在HYB-20的基础上改进而成。其性能与HYB-20相同，但表面不含铅，使用领域可以扩展至有环保要求的领域。目前该产品已应用于进口纺织设备、柱塞泵摆动部位、汽车操纵杆部位等中载、中速、油脂润滑的场合。

HYB-2Y lead free boundary lubrication bearing is improved on the basis of HYB-2Y. It can be Applied in the field where environment protection is required. Now it' widely used on textile machines, piston pump, steering system of automobile etc.

最大承载 Max. Load	静承载 Static	250 N/mm ²	使用温度 Temp.		-195°C ~ 280°C
	动承载 Dynamic	140 N/mm ²	摩擦系数 Friction coefficient	干 Dry	0.03 ~ 0.20
最高线速度 Max. Speed	旋转承载 Rotating oscillating	60 N/mm ²		流体 Lubrication	>2m/s
	干 Dry	2m/s		导热系数 Thermal conductivity	42W (m·k) ⁻¹
最大PV(干) Max. PV(Dry)	流体 Lubrication	>2m/s		热膨胀系数 coefficient of thermal expansion	11×10 ⁻⁶ k ⁻¹
	短时间 Short-term	3.6 N/mm ² ·m/s			
	连续 Continuos	1.8 N/mm ² ·m/s			



低碳钢+铜粉+PI/PEEK

HYB-30耐高温高压无给油轴承
Self-lubricating Bearing

适用于无法加油、较难加油或高温的工作部位，耐磨性能好、摩擦系数小、使用寿命长；走合性能好、低噪音、无污染、耐腐蚀性好；运转中形成的转移膜起到保护对磨轴的作用，无咬轴现象；对磨轴的加工要求低，减轻了用户加工成本；由于HYB-30工作表面采用特殊材料，因此HYB-30具有较好的耐高温性和高耐磨性。

Apply to the oil, fuel or high-temperature work more difficult parts, wear resistance, low coefficient of friction, long life; good performance, low noise, no pollution, good corrosion resistance; in operation since the formation of transfer film to protect the shaft, the role of non-bite-axis phenomenon; low processing requirements of the shaft to reduce processing costs for users; as HYB-30 work surface with special materials, so the has good high temperature and high wear resistance.

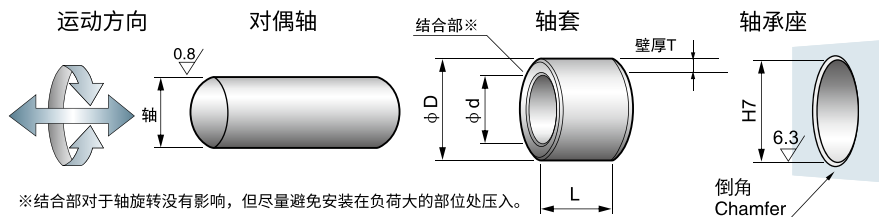
最大承载 Max. Load	静承载 Static	250 N/mm ²	使用温度 Temp.	-150°C ~ 250°C
	动承载 Dynamic	140 N/mm ²		
	旋转承载 Rotating oscillating	60 N/mm ²		
最高线速度 Max. Speed	干 Dry	5m/s	摩擦系数 Friction coefficient	0.03 ~ 0.20
	流体 Lubrication	>5m/s	导热系数 Thermal conductivity	50W (m·k) ⁻¹
最大PV(干) Max. PV(Dry)	短时间 Short-term	4.8 N/mm ² ·m/s	热膨胀系数 coefficient of thermal expansion	11*10 ⁻⁶ *k ⁻¹
	连续 Continuos	3.6 N/mm ² ·m/s		



请从适用的内径、外径、长度中选择零件号
(例)内径60mm、长度50mm的情况下

HYB-20- 6550

请指定上述零件号

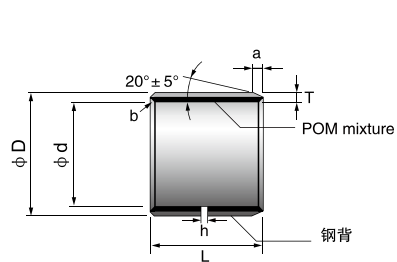


轴 shaft		座孔housing		内径	外径	壁厚	油孔	长度 L ⁰ _{-0.40}					
h8		H7		∅d	∅D	T	∅h	30	40	50	60	65	70
65	⁰ _{-0.046}	70	^{+0.030} ₀	65	70	^{2.460} _{2.415}	8	6530	6540	6550	6060		6570
70	"	75	"	70	75	"	"		7040	7050		7065	7070
75	"	80	"	75	80	"	"		7540		7560		
80	"	85	^{+0.035} ₀	80	85	^{2.450} _{2.385}	9.5				8060		
85	⁰ _{-0.054}	90	"	85	90	"	"	8530	8540		8560		
90	"	95	"	90	95	"	"		9040		9060		
95	"	100	"	95	100	"	"				9560		
100	"	105	"	100	105	"	"			10050	10060		
105	"	110	"	105	110	"	"				10560		
110	"	115	"	110	115	"	"				11060		
115	"	120	"	115	120	"	"						11570
120	"	125	^{+0.040} ₀	120	125	"	"				12060		
125	⁰ _{-0.063}	130	"	125	130	"	"				12560		
130	"	135	"	130	135	"	"			13050	13060		
135	"	140	"	135	140	"	"			13550	13560		
140	"	145	"	140	145	"	"				14060		
150	"	155	"	150	155	"	"			15050	15060		
160	"	165	"	160	165	"	"			16050	16060		
170	"	175	"	170	175	"	"			17050	17060		
180	"	185	^{+0.046} ₀	180	185	"	"			18050	18060		
190	⁰ _{-0.072}	195	"	190	195	"	"			19050	19060		
200	"	205	"	200	205	"	"			20050	20060		
220	"	225	"	220	225	"	"			22050	22060		
240	"	245	"	240	245	"	"			24050	24060		
250	"	255	^{+0.052} ₀	250	255	"	"			25050	25060		
260	⁰ _{-0.081}	265	"	260	265	"	"			26050	26060		
280	"	285	"	280	285	"	"			28050	28060		
300	"	305	"	300	305	"	"			30050	30060		

注：本公司可以按客户需求，生产非标产品。 Note: we can produce as per your drawings.

HYB-20, HYB-30

轴套 Cylindrical Bushes (内径I.D 65~ 300)



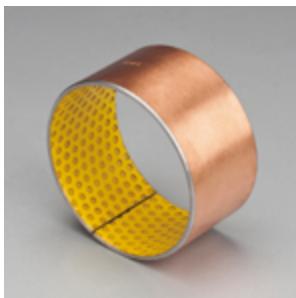
a:外径倒角(mm)

T	2.0	2.5
a	1.0	1.0

b:内径倒角(mm)

T	2.0	2.5
b	C0.5	C0.5

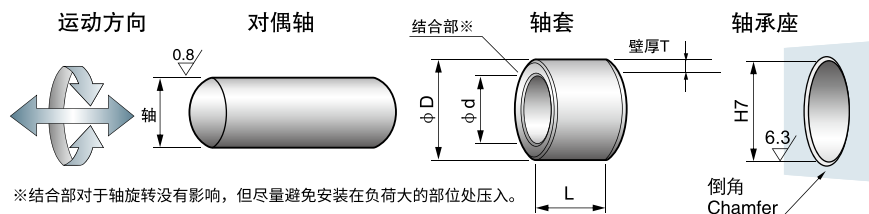
长度 L $\begin{smallmatrix} 0 \\ -0.40 \end{smallmatrix}$							内径
80	90	95	100	110	115	120	∅ d
							65
7080							70
7580							75
8080				80110			80
8580			85100	85110			85
9080	9090		90100	90110			90
				95110			95
10080		10095			100115		100
					105115		105
				110110	110115		110
							115
			120100	120110			120
			125100	125110			125
13080			130100				130
13580							135
14080			140100				140
15080			150100				150
16080			160100				160
17080			170100				170
18080			180100				180
19080			190100			190120	190
20080			200100			200120	200
22080			220100			220120	220
24080			240100			240120	240
25080			250100			250120	250
26080			260100			260120	260
28080			280100			280120	280
30080			300100			300120	300



请从适用的内径、外径、长度中选择零件号
(例)内径15mm、长度10mm的情况下

HYB-2Y- 1510

请指定上述零件号

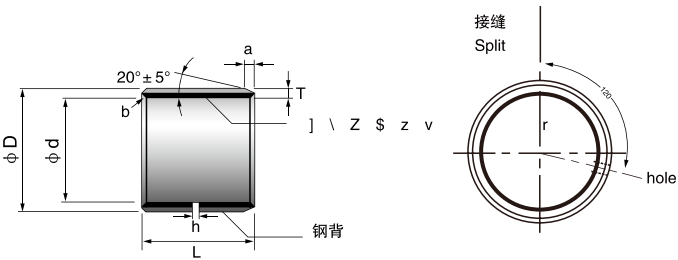


轴 shaft		座孔 housing		内径	外径	壁厚	油孔	长度 L					
h8		H7		d	D	T	h	10	12	15	20	25	30
10	⁰ _{-0.022}	12	^{+0.018} ₀	10	12	^{0.980} _{0.955}	4	1010	1012	1015	1020		
12	⁰ _{-0.027}	14	"	12	14	"	"	1210	1212	1215	1220	1225	
14	"	16	"	14	16	"	"			1415	1420	1425	
15	"	17	"	15	17	"	"	1510	1512	1515		1525	
16	"	18	"	16	18	"	"			1615	1620	1625	
18	"	20	^{+0.021} ₀	18	20	"	"			1815	1820	1825	
20	⁰ _{-0.033}	23	"	20	23	^{1.475} _{1.445}	"			2015	2020	2025	2030
22	"	25	"	22	25	"	6			2215	2220	2225	2230
24	"	27	"	24	27	"	"			2415	2420	2425	2430
25	"	28	"	25	28	"	"			2515	2520	2525	2530
28	"	32	^{+0.025} ₀	28	32	^{1.970} _{1.935}	"				2820	2825	2830
30	"	34	"	30	34	"	"				3020		3030
32	⁰ _{-0.039}	36	"	32	36	"	"				3220		3230
35	"	39	"	35	39	"	"				3520		3530
36	"	40	"	36	40	"	"						
37	"	41	"	37	41	"	"				3720		
40	"	44	"	40	44	"	8				4020		4030
45	"	50	"	45	50	^{2.460} _{2.415}	"				4520		4530
50	"	55	^{+0.030} ₀	50	55	"	"						
55	⁰ _{-0.046}	60	"	55	60	"	"				5520		
60	"	65	"	60	65	"	"						

注：本公司可以按客户需求，生产非标产品。Note: we can produce as per your drawings.

HYB-2Y

轴套 Cylindrical Bushes (内径I.D 65～ 300)



a:外径倒角 内径 $\phi 10$ 以上(mm)

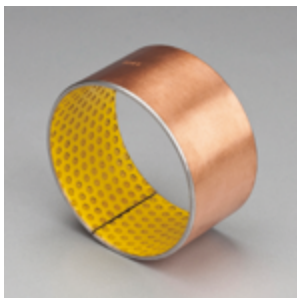
T	1.0	1.5	2.0
a	0.5	0.8	1.0

b:内径倒角 内径 $\phi 10$ 以上(mm)

T	1.0	1.5	2.0
b	C0.3	C0.5	C0.5

※内径 $\phi 10$ 不到的内外径倒角去除毛刺程度即可。

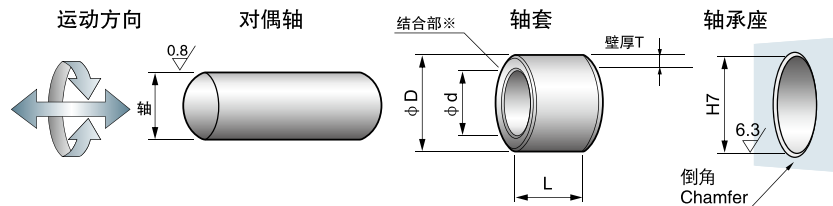
长度 L									内径
35	40	50	60	70	80	100	110	120	d
									10
									12
									14
									15
									16
									18
									20
									22
									24
									25
									28
	3040								30
3235	3240								32
3535		3550							35
									36
									37
	4040	4050							40
	4540	4550							45
	5040	5050	5060						50
	5540	5550	5560						55
	6040		6060	6070					60



请从适用的内径、外径、长度中选择零件号
(例)内径60mm、长度50mm的情况下

HYB-2Y - 6550

请指定上述零件号

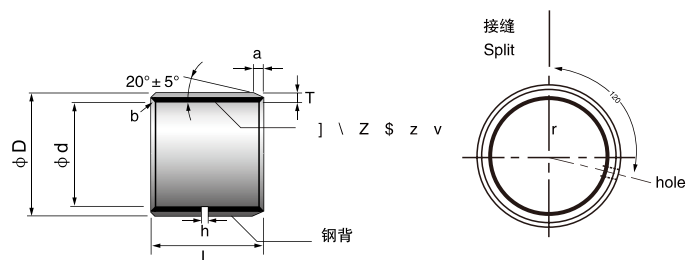


轴 shaft	座孔housing	内径	外径	壁厚	油孔	长度 L					
h8	H7	d	D	T	h	30	40	50	60	65	70
65	$\begin{smallmatrix} 0 \\ -0.046 \end{smallmatrix}$	70	$\begin{smallmatrix} +0.030 \\ 0 \end{smallmatrix}$	$\begin{smallmatrix} 2.460 \\ 2.415 \end{smallmatrix}$	8	6530	6540	6550	6060		6570
70	"	75	"	"	"		7040	7050		7065	7070
75	"	80	"	"	"		7540		7560		
80	"	85	$\begin{smallmatrix} +0.035 \\ 0 \end{smallmatrix}$	$\begin{smallmatrix} 2.450 \\ 2.385 \end{smallmatrix}$	9.5				8060		
85	$\begin{smallmatrix} 0 \\ -0.054 \end{smallmatrix}$	90	"	"	"	8530	8540		8560		
90	"	95	"	"	"		9040		9060		
95	"	100	"	"	"				9560		
100	"	105	"	"	"			10050	10060		
105	"	110	"	"	"				10560		
110	"	115	"	"	"				11060		
115	"	120	"	"	"						11570
120	"	125	$\begin{smallmatrix} +0.040 \\ 0 \end{smallmatrix}$	"	"				12060		
125	$\begin{smallmatrix} 0 \\ -0.063 \end{smallmatrix}$	130	"	"	"				12560		
130	"	135	"	"	"			13050	13060		
135	"	140	"	"	"			13550	13560		
140	"	145	"	"	"				14060		
150	"	155	"	"	"			15050	15060		
160	"	165	"	"	"			16050	16060		
170	"	175	"	"	"			17050	17060		
180	"	185	$\begin{smallmatrix} +0.046 \\ 0 \end{smallmatrix}$	"	"			18050	18060		
190	$\begin{smallmatrix} 0 \\ -0.072 \end{smallmatrix}$	195	"	"	"			19050	19060		
200	"	205	"	"	"			20050	20060		
220	"	225	"	"	"			22050	22060		
240	"	245	"	"	"			24050	24060		
250	"	255	$\begin{smallmatrix} +0.052 \\ 0 \end{smallmatrix}$	"	"			25050	25060		
260	$\begin{smallmatrix} 0 \\ -0.081 \end{smallmatrix}$	265	"	"	"			26050	26060		
280	"	285	"	"	"			28050	28060		
300	"	305	"	"	"			30050	30060		

注：本公司可以按客户需求，生产非标产品。Note: we can produce as per your drawings.

HYB-2Y

轴套 Cylindrical Bushes (内径I.D 65～ 300)



a:外径倒角(mm)

T	2.0	2.5
a	1.0	1.0

b:内径倒角(mm)

T	2.0	2.5
b	C0.5	C0.5

长度 L							内径
80	90	95	100	110	115	120	d
							65
7080							70
7580							75
8080				80110			80
8580			85100	85110			85
9080	9090		90100	90110			90
				95110			95
10080		10095			100115		100
					105115		105
				110110	110115		110
							115
			120100	120110			120
			125100	125110			125
13080			130100				130
13580							135
14080			140100				140
15080			150100				150
16080			160100				160
17080			170100				170
18080			180100				180
19080			190100			190120	190
20080			200100			200120	200
22080			220100			220120	220
24080			240100			240120	240
25080			250100			250120	250
26080			260100			260120	260
28080			280100			280120	280
30080			300100			300120	300

HYB-20W, HYB-30W

止推垫圈 Thrust Washers

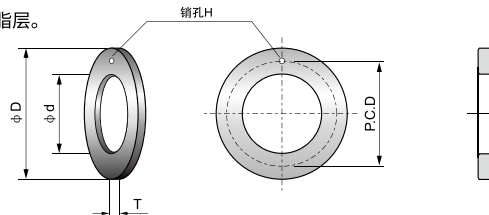


请从适用的内径、外径、厚度中选择零件号
(例)内径20mm、厚度1.5mm的情况下

HYB-20W - 2015

请指定上述零件号

●摩擦面为树脂层。



Parts No.	内径		外径		厚度		销孔	柱销位置	
	Ø d		Ø D		T		H	P.C.D	
HYB-20W-1015	10	$^{+0.25}_0$	20	$^{0}_{-0.25}$	1.5	$^{0}_{-0.05}$	1.10~1.50	15	±0.12
HYB-20W-1215	12	"	24	"	"	"	1.625~1.875	18	"
HYB-20W-1415	14	"	26	"	"	"	2.125~2.375	20	"
HYB-20W-1615	16	"	30	"	"	"	"	22	"
HYB-20W-1815	18	"	32	"	"	"	"	25	"
HYB-20W-2015	20	"	36	"	"	"	3.125~3.375	28	"
HYB-20W-2215	22	"	38	"	"	"	"	30	"
HYB-20W-2415	24	"	42	"	"	"	"	33	"
HYB-20W-2615	26	"	44	"	"	"	"	35	"
HYB-20W-2815	28	"	48	"	"	"	4.125~4.375	38	"
HYB-20W-3215	32	"	54	"	"	"	"	43	"
HYB-20W-3815	38	"	62	"	"	"	"	50	"
HYB-20W-4215	42	"	66	"	"	"	"	54	"
HYB-20W-4820	48	"	74	"	2.0	"	"	61	"
HYB-20W-5220	52	"	78	"	"	"	"	65	"
HYB-20W-6220	62	"	90	"	"	"	"	76	"

注：本公司可以按客户需求，生产非标产品。Note: we can produce as per your drawings.

产品应用 Application

选择使用耐特衬套的理由 Reasons of Choosing the HAOYU Bushes



固体润滑轴承是以高强度铜合金为基体，并在铜合金上开出排列有序、大小适当的空穴，再镶嵌固体润滑剂而成的轴承。

Solid lubricant bearings are produced based on the high-intensity bronze alloy with orderly arranged pores of appropriate size to contain solid lubricants.



典型应用 Typical Applications

目前已广泛运用于各种机械的滑动部位，如自动化机械设备（伸缩、摇摆、滑动、弯曲、回旋、回转部位）油压气缸导套、齿轮泵、纺织机械、自动售货机、塑胶成型机、压铸机、橡胶机械、烟草机、健身器材、办公机械、液压搬运车、汽机车、摩托车、农林机械、中酸、强碱场合，例如：化工中酸碱流量计、泵、阀，印染机械、海洋工业耐腐蚀滑动部位、各种齿轮油泵、柱塞泵、叶片泵等场合，对流体润滑或境界润滑条件下的中高压齿轮泵尤其适用。

It is widely used of slide parts of different machines, for example, automatization machine device (flex, sway, slide, bend, convolute) cylinder bushes, gear pump, textile machines, auto machines, plastic moulding machines, die-casting machines, ubber machines, tobacco machines, sports machines, OA machines, hydraulic-pressure convey car, auto cars, motorcycle, agricultural machines, middle Acid, strong acid occasion, for instance, acide & alkali flowmeter in chemical, pump, valve, printing and dyeing machines, seawater anti-corrosion lubrication parts, gear pumps, plunger, vane pumps etc., It is the best choice for the bushes in various kinds of gear pumps as well as plunger, vane pumps and so on.

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