

Polymer-tech Solution™

PLASTIC BEARINGS TECHNOLOGY

工程塑料轴承



CSB®



- 成立于1995年，总注册资本7500万人民币；
- 2016年销售额超过4亿元人民币，员工800名；
- 拥有两个生产基地，占地130000m²；
- 国家级高新技术企业，51项专利；
- ISO9001:2008、IATF16949:2016质量认证。
- CSB was established in 1995 and its legal registered capital is 11.5 million US Dollars.
- CSB turnover in 2016 was more than USD 62 million. Currently there are 800 employees working at CSB.
- There are 2 facilities covering over 130000m² with extendable area for future enlargement.
- China National Hi-Tech Enterprise has been granted, 51 patents obtained till now.
- ISO9001: 2008 and IATF16949:2016 quality management system were certificated.

新型自润滑材料适应环境保护要求 Concern for Environment Requirement

CSB积极应对环境保护的要求，通过多年的努力在各个应用领域都已成功开发了满足RoHS要求的不同材料。

Concern for environmental requirement, CSB has developed various kinds of self-lubricating materials to conform to environment requirement.

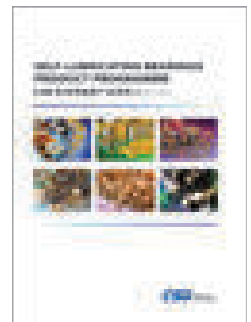
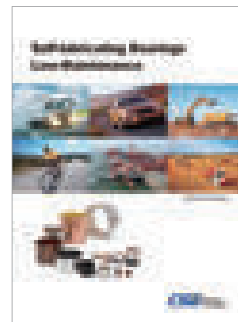
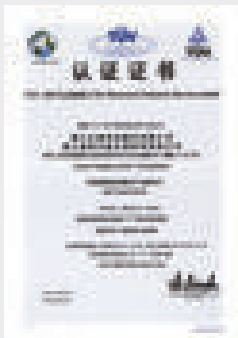
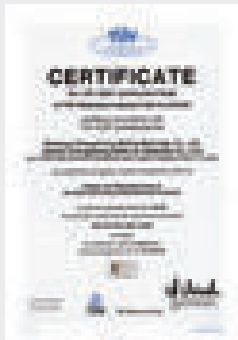
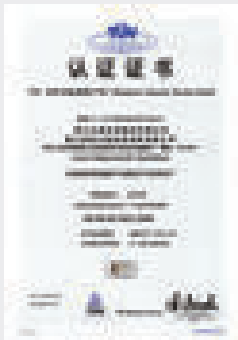
RoHS指令限制的六种有害物质 EC Directive 2011/65/EU (the RoHS Directive)

汞Hg、六价铬Cr⁶⁺、铅Pb、镉Cd、多溴联苯醚PBDE、多溴联苯PBB。

This directive restricts the use of hazardous substances. Listed below are CSB products which are all RoHS compliant.

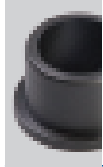


"CSB", "Ploymer-tech Solution", "Dry Motion-tech", "Dry-idea", "CSB-EPB", "CSB-LIN", "CSB-FWB", "CSB-LMS", "CSB-BAL", "CSB-RPM", "CSB-PEC", "CSB-PCC", "CSB-PEW", "CSB-PPR", "CSB-FLB", "CSB-CPB", "CSB-PCB", "CSB-PYB", "CSB-SRB" and "CSB-PRB" are legally protected trademarks in China and in case also in foreign countries. 中国保护商标，同时在其它一些国家也受当地法律保护。



Your Partner for Self-lubricating Bearing Application

为所有工业提供各种自润滑轴承解决方案



CSB-EPB™工程塑料轴承 Plastic Plain Bearings

自润滑免维护、耐腐蚀、长服务寿命、轻量化；可选：极低摩擦系数、高载荷、抗静电、高温250℃、FDA食品安全等级。

Maintenance-free dry operation, Absolute corrosion resistance, Long service time and light; Multiple choices: Lowest friction coefficient, High load, Anti-static, High temperature 250℃, FDA food safety grade.

P12



CSB-BAL™塑料关节轴承 Plastic Spherical Bearings

自润滑免维护、耐腐蚀、抗污垢、轻量化；可选：多种结构设计满足不同安装需求。

Self-lubricating and maintenance-free, Corrosion-resistant, Anti-fouling, lightweight; Multiple structural design to meet different installation requirements.

P168



CSB-LIN™塑料直线轴承 Plastic Linear Bearings

干运行无需供油、抗粉尘、无噪音、耐腐蚀、长服务寿命、轻量化；可选：高温250℃、多种安装方式。

Dry operation without oil, Anti-dust, No noise, Corrosion resistance, Longer service time and light; Multiple Assemble types, Highest operation temperature 250℃.

P186



CSB-LMS™直线驱动系统 Linear Motion Systems

自润滑免维护直线驱动系统，直线滑动原件及丝杆螺母均采用高耐磨EPB13材料制成，实现永久性干摩擦，低噪音、长服务寿命，适合在粉尘或污水下运行。

Self-lubricating and maintenance-free linear motion system, Linear slider and screw nuts are made of high wear-resistant material EPB13, Dry operation for longer time, lower noise, longer service time and suitable for operation in dust or dirty water.

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CSB-SFP™耐磨半成品 Semi-finished Products

采用CSB-EPB高耐磨材料制成，可实现非标轴承的快速加工、小批量制作降低成本；可选：棒材、板材、片材。

The semi-finished products are made of anti-wear and high performance materials CSB-EPB, It can be machined non-standard bearings in short time, saving cost for small quantity; Multiple choices: Bar, sheet and tribo-tape.

P281



CSB-PRB™塑料滚动轴承 Plastic Rolling Bearings

自润滑免维护、耐腐蚀、轻量化；可选：内外圈、保持架、滚珠多种材料可选。

Maintenance-free, corrosion-resistant, lightweight; Multiple choices: inner and outer ring, cage and ball can be designed different materials freely.

P291



CSB-SRB™回转支承轴承 Slewing Ring Bearings

免维护干运行、低噪音、轻量化；滑动原件可选耐磨材料EPB13、高载荷金属与特氟龙复合材料CSB-11。

Maintenance-free and dry operation, lower noise, lightweight; The slider can be made of wearresistant material EPB13 or metal and teflon composite material CSB-11 for higher load.

P299



CSB-FWB™纤维缠绕轴承 Filament-wound Bearings

连续长纤维复合材料、干摩擦性能最优越、极高的承载能力、最高静载荷240MPa，特别适合用于高载低速下的摆动。

Long fiber composite material, The best performance for dry operation, High load capacity and max. static load 240MPa, Especially suitable for swing with high load and low speed.

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<http://www.csb-ep.com>

Products

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CSB Product Family

CSB产品

Polymer-tech Solution™

Products

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CSB-EPB™工程塑料轴承 Plastic Plain Bearings

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CSB-LIN™塑料直线轴承 Plastic Linear Bearings

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CSB-BAL™塑料关节轴承 Plastic Spherical Bearings

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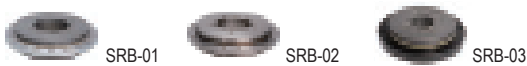
CSB-LMS™直线驱动系统 Linear Motion Systems

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CSB-SRB™回转支撑轴承 Slewing Ring Bearings

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CSB-RPM™转向器支撑套 Steering Rack Bearings

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KER转角轴承 Knife edge rollers

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CSB-PEC™扶梯自润滑回转链 Self-lubricated Rotary Chains

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CSB-SFP™耐磨半成品 Semi-finished Products

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CSB-FWB™纤维缠绕轴承 Filament-wound Bearings

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金属自润滑轴承 Metal Sliding Bearings

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CSB-SFP 耐磨半成品 Semi-finished Products



CSB自润滑工程塑料半成品为客户特殊尺寸轴承少量快速制作提供了可能；节省了额外的模具费用和提高了交货速度。而且可以直接用来加工尺寸或形状非标准件产品，为用户提供各种自润滑部件的解决方案。

CSB self-lubricated plastic semi-finished products are customized materials available by the customer special requirement of uncommon bearing sizes. It is possible for the mold cost saving and improves the delivery time. The non-standard bearings are available with this flexible solution.

技术数据表 Technical data table

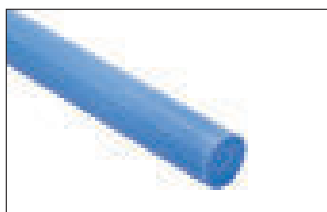
材料性能 Material Properties	标准 Standard	单位 Unit	M80	M81	MN70	EPB
密度 Density	ISO1183	g/cm ³	1.15	0.96	1.42	1.46
颜色 Color			蓝色 Blue	绿色 Green	白色 White	深灰 Dark Grey
对钢的动摩擦系数 Dynamic friction /steel(dry)			0.10-0.25	0.05-0.15	0.15-0.35	0.05-0.15
最大P.V值 Max. PV (dry)		N/mm ² × m/s	0.25	0.20	0.2	0.4
最大旋转速度值 Max. rotating velocity			0.70	0.50	0.4	1.0
最大摇摆速度值 Max. oscillating velocity			0.49	0.35	0.3	0.7
最大直线速度值 Max. linear velocity			1.05	0.75	0.7	3.0
抗拉强度 Tensile strength	ISO527	MPa	80	45	70	80
抗压强度(轴向) Compressive strength (Axial)		MPa	50	30	60	65
弹性模量 E-module	ISO527	MPa	2400	1000	2300	2300
允许最大表面静压力(20℃) Max. static pressure of the surface, 20℃		MPa	30	25	28	35
邵氏硬度 Shore hardness	ISO868	D	70	65	76	75
连续工作温度 Continuous work temperature		℃	-40/+90	-196/+80	-50/+80	-40/+80
短时运行温度 Short-time work temperature		℃	-40/+120	-196/+100	-50/+110	-40/+120
导热性 Thermal conductivity	ASTME1461	W/m*k	0.24	0.24	0.25	0.2
线性热膨胀系数 Linear coef. of thermal expansion	ASTMD696	K ⁻¹ × 10 ⁻⁵	4	8.3	11	10
RH50/23℃时的吸湿性 Moisture absorption RH50/23℃	ASTMD570	%	0.8	0.01	0.3	0.2
最大吸水率23℃ Max. water absorption, 23℃		%	6	0.1	1.4	1.2
燃烧性能 Flammability	UL94	HB	HB	HB	HB	HB
体电阻率 Volume resistivity	IEC60093	Ω cm	>10 ¹³	>10 ¹⁴	>10 ¹¹	>10 ¹²
面电阻率 Surface resistivity	IEC60093	Ω	>10 ¹²	>10 ¹²	>10 ¹²	>10 ¹⁵

耐磨半成品 Semi-finished Products

材料性能 Material Properties	标准 Standard	单位 Unit	EPB5	EPB5A	EPB6	EPB7
密度 Density	ISO1183	g/cm ³	1.44	1.50	1.45	1.25
颜色 Color			黑色 Black	灰色 Grey	白色 White	米黄色 Cream
对钢的动摩擦系数 Dynamic friction /steel(dry)			0.09-0.25	0.10-0.25	0.05-0.18	0.09-0.20
最大P.V值 Max. PV (dry)		N/mm ² × m/s	1.5	0.9	0.3	0.5
最大旋转速度值 Max. rotating velocity			1.5	0.6	1.0	1.0
最大摇摆速度值 Max. oscillating velocity			1.1	0.4	0.7	0.7
最大直线速度值 Max. linear velocity			5.0	1.0	3.0	4.0
抗拉强度 Tensile strength	ISO527	MPa	170	150	75	120
抗压强度(轴向) Compressive strength (Axial)		MPa	100	100	65	60
弹性模量 E-module	ISO527	MPa	7900	7900	2300	3500
允许最大表面静压力(20℃) Max. static pressure of the surface, 20℃		MPa	150	120	30	60
邵氏硬度 Shore hardness	ISO868	D	85	83	74	77
连续工作温度 Continuous work temperature		℃	-100/+250	-100/+250	-40/+80	-40/+100
短时运行温度 Short-time work temperature		℃	-100/+315	-100/+315	-40/+120	-40/+180
导热性 Thermal conductivity	ASTME1461	W/m*k	0.6	0.6	0.2	0.2
线性热膨胀系数 Linear coef. of thermal expansion	ASTMD696	K ⁻¹ × 10 ⁻⁵	5	6	10	9
RH50/23℃时的吸湿性 Moisture absorption RH50/23℃	ASTMD570	%	0.1	0.1	0.2	1.3
最大吸水率23℃ Max. water absorption, 23℃		%	0.5	0.5	1.1	6.5
燃烧性能 Flammability	UL94		V0	V0	HB	HB
体电阻率 Volume resistivity	IEC60093	Ω cm	>10 ⁸	>10 ¹⁵	>10 ¹²	>10 ¹²
面电阻率 Surface resistivity	IEC60093	Ω	>10 ⁷	>10 ¹⁵	>10 ¹⁵	>10 ¹²

材料性能 Material Properties	标准 Standard	单位 Unit	EPB10	EPB13	EPB18	EPB26
密度 Density	ISO1183	g/cm ³	1.40	1.48	1.45	1.51
颜色 Color			黑色 Black	黄色 Yellow	黄色 Yellow	白色 White
对钢的动摩擦系数 Dynamic friction /steel(dry)			0.10-0.25	0.05-0.15	0.05-0.18	0.15-0.20
最大P.V值 Max. PV (dry)		N/mm ² × m/s	1.8	0.4	0.8	0.5
最大旋转速度值 Max. rotating velocity			1.5	1.5	1.2	1.0
最大摇摆速度值 Max. oscillating velocity			1.1	1.1	0.8	0.7
最大直线速度值 Max. linear velocity			5.0	8.0	3.0	1.0
抗拉强度 Tensile strength	ISO527	MPa	240	75	90	47
抗压强度(轴向) Compressive strength (Axial)		MPa	105	60	70	105
弹性模量 E-module	ISO527	MPa	12000	2400	2700	4500
允许最大表面静压力(20℃) Max. static pressure of the surface, 20℃		MPa	160	35	70	45
邵氏硬度 Shore hardness	ISO868	D	86	74	75	74
连续工作温度 Continuous work temperature		℃	-100/+260	-50/+90	-50/+110	-50/200
短时运行温度 Short-time work temperature		℃	-100/+315	-50/+120	-50/+170	-50/250
导热性 Thermal conductivity	ASTME1461	W/m*k	0.7	0.25	0.3	0.24
线性热膨胀系数 Linear coef. of thermal expansion	ASTMD696	K ⁻¹ × 10 ⁻⁵	2	9	8	3
RH50/23℃时的吸湿性 Moisture absorption RH50/23℃	ASTMD570	%	0.1	0.2	0.2	<0.1
最大吸水率23℃ Max. water absorption, 23℃		%	0.5	1.2	0.5	0.2
燃烧性能 Flammability	UL94		V0	HB	HB	V0
体电阻率 Volume resistivity	IEC60093	Ω cm	>10 ⁵	>10 ¹³	>10 ¹⁵	>10 ¹²
面电阻率 Surface resistivity	IEC60093	Ω	>10 ⁵	>10 ¹²	>10 ¹⁵	>10 ¹²

M80耐磨棒 Round Bars



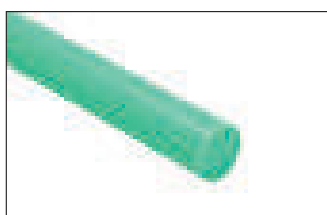
- 自润滑、免维护
- 通用性较强
- 适合中高载荷
- 低成本选择
- Maintenance-free, self-lubricated
- Suitable for most application
- Suitable for medium and high load operation
- Low cost

订购编码 Order PN	直径 Diameter [mm]	长度 Length L [mm]
M80-025-L	25	100-1000
M80-030-L	30	100-1000
M80-035-L	35	100-1000
M80-040-L	40	100-1000

订购编码 Order PN	直径 Diameter [mm]	长度 Length L [mm]
M80-045-L	45	100-1000
M80-050-L	50	100-1000
M80-055-L	55	100-1000
M80-060-L	60	100-1000

订购编码 Order PN	直径 Diameter [mm]	长度 Length L [mm]
M80-065-L	65	100-1000
M80-070-L	70	100-1000
M80-080-L	80	100-1000
M80-100-L	100	100-1000

M81耐磨棒 Round Bars



- 自润滑、免维护
- 低摩擦、耐磨损
- 抗冲击、低噪音
- 极低吸水性
- 耐低温-196℃
- Maintenance-free, self-lubricated
- Low friction, anti-wear
- Impact resistance, low noise
- Low water absorption
- Very low temperature -196℃

订购编码 Order PN	直径 Diameter [mm]	长度 Length L [mm]
M81-015-L	15	100-1000
M81-020-L	20	100-1000
M81-025-L	25	100-1000
M81-030-L	30	100-1000

订购编码 Order PN	直径 Diameter [mm]	长度 Length L [mm]
M81-035-L	35	100-1000
M81-040-L	40	100-1000
M81-045-L	45	100-1000
M81-050-L	50	100-1000

订购编码 Order PN	直径 Diameter [mm]	长度 Length L [mm]
M81-055-L	55	100-1000
M81-060-L	60	100-1000
M81-065-L	65	100-1000

EPB耐磨棒 Round Bars



- 自润滑、免维护
- 特种润滑耐磨
- 低摩擦系数
- 长寿命
- Maintenance-free, self-lubricated
- Special lubricant and wear resistant
- Low friction coefficient
- Long service time

订购编码 Order PN	直径 Diameter [mm]	长度 Length L [mm]
EPB-015-L	15	100-1000
EPB-020-L	20	100-1000
EPB-025-L	25	100-1000
EPB-030-L	30	100-1000

订购编码 Order PN	直径 Diameter [mm]	长度 Length L [mm]
EPB-035-L	35	100-1000
EPB-040-L	40	100-1000
EPB-045-L	45	100-1000
EPB-050-L	50	100-1000

订购编码 Order PN	直径 Diameter [mm]	长度 Length L [mm]
EPB-055-L	55	100-1000
EPB-060-L	60	100-1000
EPB-065-L	65	100-1000

耐磨半成品 Semi-finished Products

EPB5耐磨棒 Round Bars



- 自润滑、免维护
- 非常耐磨长寿命
- 极好的耐腐蚀性
- 长期使用温度-100℃/+260℃
- Maintenance-free, self-lubricated
- Good wear resistance with long service life
- Good chemical resistance
- Continuous work temperature - 100/+260℃

订购编码 Order PN	直径 Diameter [mm]	长度 Length L [mm]
EPB5-015-L	15	100-1000
EPB5-020-L	20	100-1000
EPB5-025-L	25	100-1000
EPB5-030-L	30	100-1000

订购编码 Order PN	直径 Diameter [mm]	长度 Length L [mm]
EPB5-035-L	35	100-1000
EPB5-040-L	40	100-1000
EPB5-045-L	45	100-1000
EPB5-050-L	50	100-1000

订购编码 Order PN	直径 Diameter [mm]	长度 Length L [mm]
EPB5-055-L	55	100-1000
EPB5-060-L	60	100-1000
EPB5-065-L	65	100-1000

EPB5A耐磨棒 Round Bars



- 连续使用温度: -100/+250℃
- 适合高载荷低速运用
- 高温下保持较高的承载能力
- 较广泛的化学抗性
- 符合FDA等级
- Continuous working temperature: -100/+250℃
- Suitable for high load and lovo speed operation
- High load capacity at higher temperature
- Good chemical resistance
- FDA grade

订购编码 Order PN	直径 Diameter [mm]	长度 Length L [mm]
EPB5A-015-L	15	100-1000
EPB5A-020-L	20	100-1000
EPB5A-025-L	25	100-1000
EPB5A-030-L	30	100-1000

订购编码 Order PN	直径 Diameter [mm]	长度 Length L [mm]
EPB5A-035-L	35	100-1000
EPB5A-040-L	40	100-1000
EPB5A-045-L	45	100-1000
EPB5A-050-L	50	100-1000

订购编码 Order PN	直径 Diameter [mm]	长度 Length L [mm]
EPB5A-055-L	55	100-1000
EPB5A-060-L	60	100-1000
EPB5A-065-L	65	100-1000

EPB6耐磨棒 Round Bars



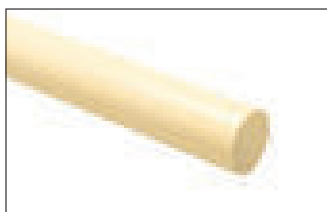
- 自润滑、免维护
- 极低摩擦系数
- 耐磨性能优越
- 长期使用温度165℃
- Maintenance-free, self-lubricated
- Low friction coefficient
- Good wear resistant
- Continuous work temperature 165℃

订购编码 Order PN	直径 Diameter [mm]	长度 Length L [mm]
EPB6-015-L	15	100-1000
EPB6-020-L	20	100-1000
EPB6-025-L	25	100-1000
EPB6-030-L	30	100-1000

订购编码 Order PN	直径 Diameter [mm]	长度 Length L [mm]
EPB6-035-L	35	100-1000
EPB6-040-L	40	100-1000
EPB6-045-L	45	100-1000
EPB6-050-L	50	100-1000

订购编码 Order PN	直径 Diameter [mm]	长度 Length L [mm]
EPB6-055-L	55	100-1000
EPB6-060-L	60	100-1000
EPB6-065-L	65	100-1000

EPB7耐磨棒 Round Bars



- 连续使用温度: -40/+100℃
- 非常耐磨长寿命
- 适合在灰尘中运行
- 较低的摩擦系数
- 适用于软轴
- Continuous working temperature: -40/+100℃
- Good wear resistance with long service life
- Suitable for operation in dusty environment
- Low friction coefficient
- Applicable for flexible shaft

订购编码 Order PN	直径 Diameter [mm]	长度 Length L [mm]
EPB7-015-L	15	100-1000
EPB7-020-L	20	100-1000
EPB7-025-L	25	100-1000
EPB7-030-L	30	100-1000

订购编码 Order PN	直径 Diameter [mm]	长度 Length L [mm]
EPB7-035-L	35	100-1000
EPB7-040-L	40	100-1000
EPB7-045-L	45	100-1000
EPB7-050-L	50	100-1000

订购编码 Order PN	直径 Diameter [mm]	长度 Length L [mm]
EPB7-055-L	55	100-1000
EPB7-060-L	60	100-1000
EPB7-065-L	65	100-1000

EPB10耐磨棒 Round Bars



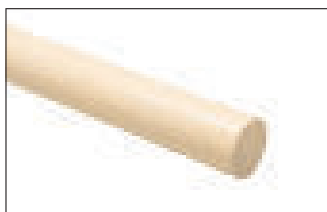
- 自润滑、免维护
- 非常耐磨长寿命
- 极好的耐腐蚀性
- 长期使用温度-100/+260℃
- Maintenance-free, self-lubricated
- Good wear resistance with long service life
- Good chemical resistance
- Continuous work temperature -100/+260℃

订购编码 Order PN	直径 Diameter [mm]	长度 Length L [mm]
EPB10-015-L	15	100-1000
EPB10-020-L	20	100-1000
EPB10-025-L	25	100-1000
EPB10-030-L	30	100-1000

订购编码 Order PN	直径 Diameter [mm]	长度 Length L [mm]
EPB10-035-L	35	100-1000
EPB10-040-L	40	100-1000
EPB10-045-L	45	100-1000
EPB10-050-L	50	100-1000

订购编码 Order PN	直径 Diameter [mm]	长度 Length L [mm]
EPB10-055-L	55	100-1000
EPB10-060-L	60	100-1000
EPB10-065-L	65	100-1000

EPB13耐磨棒 Round Bars



- 连续使用温度: -50/+90℃
- 适合干运行、免维护
- 不同轴材料磨损很小
- 较低的摩擦系数
- 适用于软轴
- 吸水性较低
- Continuous working temperature: -50/+90℃
- Maintenance-free dry operation
- Small wear off amount against various shaft materials
- Lower friction
- Suitable for soft shaft
- Low water absorption

订购编码 Order PN	直径 Diameter [mm]	长度 Length L [mm]
EPB13-015-L	15	100-1000
EPB13-020-L	20	100-1000
EPB13-025-L	25	100-1000
EPB13-030-L	30	100-1000

订购编码 Order PN	直径 Diameter [mm]	长度 Length L [mm]
EPB13-035-L	35	100-1000
EPB13-040-L	40	100-1000
EPB13-045-L	45	100-1000
EPB13-050-L	50	100-1000

订购编码 Order PN	直径 Diameter [mm]	长度 Length L [mm]
EPB13-055-L	55	100-1000
EPB13-060-L	60	100-1000
EPB13-065-L	65	100-1000

耐磨半成品 Semi-finished Products

EPB18耐磨棒 Round Bars



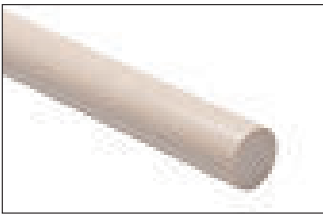
- 连续使用温度: -50/+110℃
- 适合干运行、免维护
- 适合高载荷运动
- 适合在潮湿环境中运行
- Continuous working temperature: -50/+110℃
- Maintenance-free dry operation
- High load requirement
- Suitable for working in humid environment

订购编码 Order PN	直径 Diameter [mm]	长度 Length L [mm]
EPB18-015-L	15	100-1000
EPB18-020-L	20	100-1000
EPB18-025-L	25	100-1000
EPB18-030-L	30	100-1000

订购编码 Order PN	直径 Diameter [mm]	长度 Length L [mm]
EPB18-035-L	35	100-1000
EPB18-040-L	40	100-1000
EPB18-045-L	45	100-1000
EPB18-050-L	50	100-1000

订购编码 Order PN	直径 Diameter [mm]	长度 Length L [mm]
EPB18-055-L	55	100-1000
EPB18-060-L	60	100-1000
EPB18-065-L	65	100-1000

EPB26耐磨棒 Round Bars



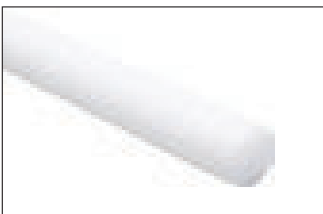
- 连续使用温度: -40/+200℃
- 高温高耐磨解决方案
- 适合干运行、免维护
- 良好的化学抗性
- 适合潮湿环境中使用
- Continuous working temperature: -40/+200℃
- High temperature and Anti-wear ability
- Maintenance-free dry operation
- Good chemical resistance
- Suitable for humid environment

订购编码 Order PN	直径 Diameter [mm]	长度 Length L [mm]
EPB26-015-L	15	100-1000
EPB26-020-L	20	100-1000
EPB26-025-L	25	100-1000
EPB26-030-L	30	100-1000

订购编码 Order PN	直径 Diameter [mm]	长度 Length L [mm]
EPB26-035-L	35	100-1000
EPB26-040-L	40	100-1000
EPB26-045-L	45	100-1000
EPB26-050-L	50	100-1000

订购编码 Order PN	直径 Diameter [mm]	长度 Length L [mm]
EPB26-055-L	55	100-1000
EPB26-060-L	60	100-1000
EPB26-065-L	65	100-1000

MN70耐磨棒 Round Bars



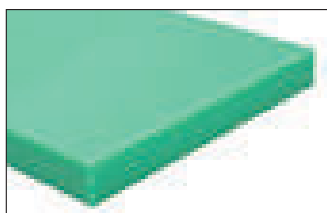
- 连续使用温度: -40/+80℃
- 自润滑、免维护
- 低摩擦系数
- 长寿命
- 符合FDA标准
- Continuous working temperature: -40/+80℃
- Maintenance-free, self-lubricated
- Low friction coefficient
- Long service time
- FDA grade

订购编码 Order PN	直径 Diameter [mm]	长度 Length L [mm]
MN70-015-L	15	100-1000
MN70-020-L	20	100-1000
MN70-025-L	25	100-1000
MN70-030-L	30	100-1000

订购编码 Order PN	直径 Diameter [mm]	长度 Length L [mm]
MN70-035-L	35	100-1000
MN70-040-L	40	100-1000
MN70-045-L	45	100-1000
MN70-050-L	50	100-1000

订购编码 Order PN	直径 Diameter [mm]	长度 Length L [mm]
MN70-055-L	55	100-1000
MN70-060-L	60	100-1000
MN70-065-L	65	100-1000

M81耐磨板 Anti-wear Plates

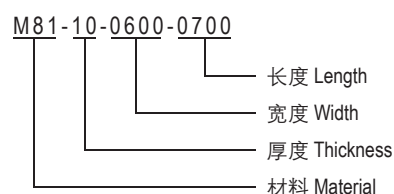


- 自润滑、免维护
 - 低摩擦、耐磨损
 - 抗冲击、低噪音
 - 极低吸水性
 - 耐低温-196℃
- Maintenance-free, self-lubricated
 - Low friction, anti-wear
 - Impact resistance, low noise
 - Low water absorption
 - Very low temperature -196℃

标准规格 Standard Specifications

订购编码 Order PN	厚度 Thickness [mm]	公差 Tolerance [mm]	宽度 Width [mm]	长度 Length L [mm]
M81-10-0600-L	10	+0.20/+0.90	600	100-1000
M81-15-0600-L	15	+0.30/+1.50	600	100-1000
M81-20-0600-L	20	+0.30/+1.50	600	100-1000
M81-25-0600-L	25	+0.30/+1.50	600	100-1000
M81-30-0600-L	30	+0.50/+2.50	600	100-1000
M81-35-0600-L	35	+0.50/+2.50	600	100-1000
M81-40-0600-L	40	+0.50/+2.50	600	100-1000

订购编码 Order PN:



EPB13耐磨板 Anti-wear Plates

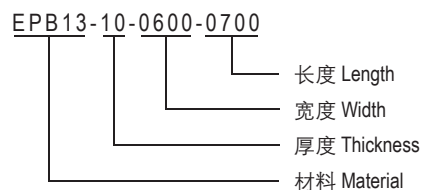


- 连续使用温度: -50/+90℃
 - 适合干运行、免维护
 - 不同轴材料磨损很小
 - 较低的摩擦系数
 - 适用于软轴
 - 吸水性较低
- Continuous working temperature: -50/+90℃
 - Maintenance-free dry operation
 - Small wear off amount against various shaft materials
 - Lower friction
 - Suitable for soft shaft
 - Low water absorption

标准规格 Standard Specifications

订购编码 Order PN	厚度 Thickness [mm]	公差 Tolerance [mm]	宽度 Width [mm]	长度 Length L [mm]
EPB13-10-0600-L	10	+0.20/+0.90	600	100-1000
EPB13-15-0600-L	15	+0.30/+1.50	600	100-1000
EPB13-20-0600-L	20	+0.30/+1.50	600	100-1000
EPB13-25-0600-L	25	+0.30/+1.50	600	100-1000
EPB13-30-0600-L	30	+0.50/+2.50	600	100-1000

订购编码 Order PN:



EPB17A摩擦带 Tribo-tape made of EPB17A



产品特性 Product Features

- 连续使用温度: -196/+260℃
- 极低摩擦系数
- 容易切割
- 可选可粘附规格
- 标准宽度库存
- 宽度从20到100毫米
- Continuous working temperature: -196/+80℃
- Lowest coefficients of friction
- Easy to cut
- Optional stickable back
- Standard width from stock
- Individual widths from 20 to 100 mm

标准规格 Standard Specifications

订购编码 Order PN	厚度 Thickness [mm]	公差 Tolerance [mm]	宽度 Width [mm]	公差 Tolerance [mm]	长度 Max. Length L [mm]
EPB17AT-05-20-L	0.5	± 0.02	20	± 0.05	5000
EPB17AT-05-50-L	0.5	± 0.02	50	± 0.05	5000
EPB17AT-05-100-L	0.5	± 0.02	100	± 0.05	5000
EPB17AT-10-20-L	1.0	± 0.03	20	± 0.05	5000
EPB17AT-10-50-L	1.0	± 0.03	50	± 0.05	5000
EPB17AT-10-100-L	1.0	± 0.03	100	± 0.05	5000
EPB17AT-05G-20-L	0.5	± 0.02	20	± 0.05	5000
EPB17AT-05G-50-L	0.5	± 0.02	50	± 0.05	5000
EPB17AT-05G-100-L	0.5	± 0.02	100	± 0.05	5000
EPB17AT-10G-20-L	1.0	± 0.03	20	± 0.05	5000
EPB17AT-10G-50-L	1.0	± 0.03	50	± 0.05	5000
EPB17AT-10G-100-L	1.0	± 0.03	100	± 0.05	5000

订购编码 Order PN:

EPB17AT-05 20-1900



TAP81BK摩擦带 Tribo-tape made of M81BK

产品特性 Product Features

- 连续使用温度: -196/+80℃
- 低摩擦系数
- 可用于水下环境
- 容易切割
- 标准宽度库存
- 宽度从20到100毫米

- Continuous working temperature: -196/+80℃
- Low coefficients of friction
- Available underwater
- Easy to cut
- Standard width from stock
- Individual widths from 20 to 100 mm

标准规格 Standard Specifications

订购编码 Order PN	厚度 Thickness [mm]	公差 Tolerance [mm]	宽度 Width [mm]	公差 Tolerance [mm]	长度 Max. Length L [mm]
M81BKT-05-20-L	0.5	± 0.02	20	± 0.05	5000
M81BKT-05-50-L	0.5	± 0.02	50	± 0.05	5000
M81BKT-05-100-L	0.5	± 0.02	100	± 0.05	5000
M81BKT-10-20-L	1.0	± 0.03	20	± 0.05	5000
M81BKT-10-50-L	1.0	± 0.03	50	± 0.05	5000
M81BKT-10-100-L	1.0	± 0.03	100	± 0.05	5000
M81BKT-05G-20-L	0.5	± 0.02	20	± 0.05	5000
M81BKT-05G-50-L	0.5	± 0.02	50	± 0.05	5000
M81BKT-05G-100-L	0.5	± 0.02	100	± 0.05	5000
M81BKT-10G-20-L	1.0	± 0.03	20	± 0.05	5000
M81BKT-10G-50-L	1.0	± 0.03	50	± 0.05	5000
M81BKT-10G-100-L	1.0	± 0.03	100	± 0.05	5000

订购编码 Order PN:

M81BKT-05 20-1900


[Http: //www.csb-ep.com](http://www.csb-ep.com)

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