

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.

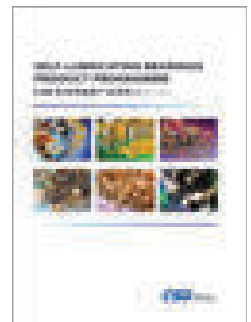
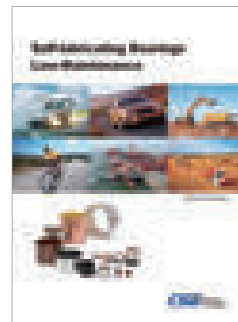
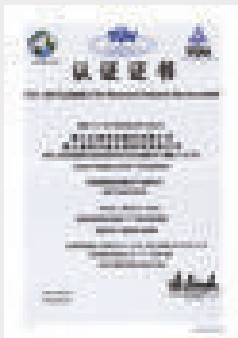
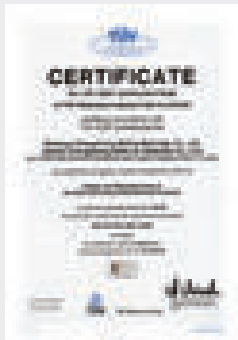
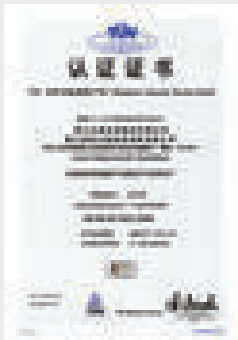
RoHS指令限制的六种有害物质 EC Directive 2011/65/EU (the RoHS Directive)

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.

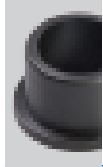


"CSB", "Ploymer-tech Solution", "Dry Motion-tech", "Dry-idea", "CSB-EPB", "CSB-LIN", "CSB-FWB", "CSB-LMS", "CSB-BAL", "CSB-RPM", "CSB-PEC", "CSB-PCC", "CSB-PEW", "CSB-PPR", "CSB-FLB", "CSB-CPB", "CSB-PCB", "CSB-PYB", "CSB-SRB" and "CSB-PRB" are legally protected trademarks in China and in case also in 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.

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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℃.

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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.

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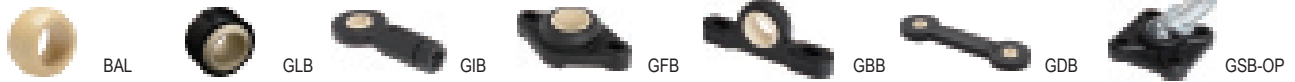
CSB-PRB™塑料滚动轴承 Plastic Rolling Bearings

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

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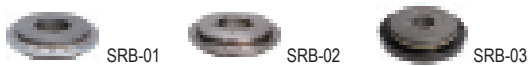
CSB-LMS™直线驱动系统 Linear Motion Systems

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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

P 290



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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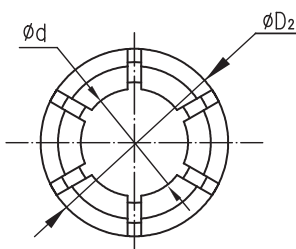
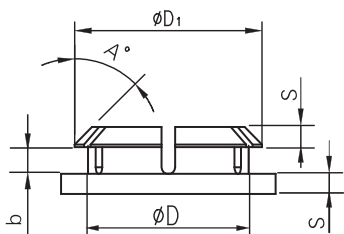
LCB塑料卡箍直线轴承 LCB Plastic Clip Linear Bearings



产品特性 Product Features

- 高耐磨材料EPB13制成
- 自润滑、免维护
- 耐腐蚀，可用于液体介质环境
- 抵抗灰尘和无噪音运行
- 易安装
- 压装后内孔E10
- 推荐座孔H7，轴h6-h9
- Made of high anti-wear material EPB13
- Maintenance-free, self lubricating
- Chemical resistant
- Dust resistant and quit running
- Installation by force fitting
- The E10 inner tolerance ensues only after the press fit
- Recommended housing bore H7
- Recommended tolerance for the shaft: h6-h9

标准规格 Standard Specifications



订购编码 Order PN:

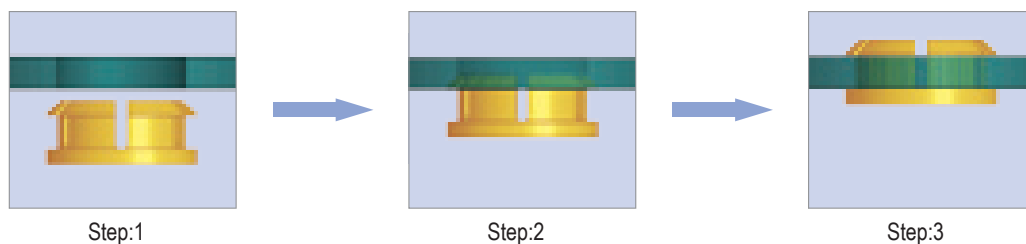
LCB-06-02

安装厚度 Fitting thickness

内径 Inner diameter

订购编码 Order PN	d [mm] E10	D [mm] +0.05	D ₁ [mm] d13	D ₂ [mm] d13	b [mm] +0.20/+0.05	s [mm] -0.14	A
LCB-06-02	6	8	9	10	2	1.5	45°
LCB-06-03	6	8	9	10	3	1.5	45°
LCB-08-02	8	10	11	12	2	1.5	45°
LCB-08-03	8	10	11	12	3	1.5	45°
LCB-10-02	10	12	13	14	2	2	35°
LCB-10-03	10	12	13	14	3	2	35°

LCB塑料卡箍直线轴承装配 Plastic Clip Linear Bearings Installation Method



- 易用手装配 Easy assembly by hands

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

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