

GSQB光伏跟踪支架关节轴承 PV Support bracket bearings

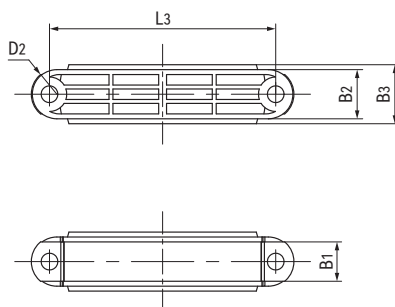
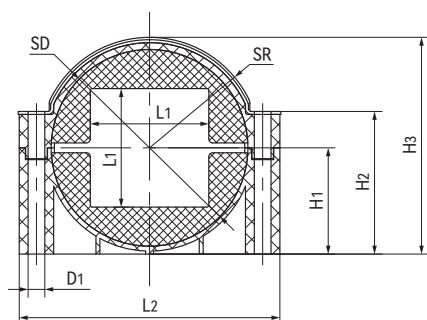


产品特性 Product features

- 一体式设计塑料关节轴承座
 - 户外耐紫外线老化
 - 耐高低温湿热老化
 - 低摩擦，耐磨损
 - 适用于平地或斜坡支架
 - 自润滑、免维护
 - 高强度、易安装
- Integrated design plastic spherical bearings
 - UV resistance
 - High and low temperature, damp-heat aging
 - Low friction, wear resistance
 - Suitable for flat or slope brackets
 - Self lubricating, maintenance-free
 - High strength, easy installation



标准规格 Standard specifications



产品编码 Part No.:
GSQB-100

内宽 Inner width

产品编码 Part No.	L ₁ [mm]	L ₂ [mm]	L ₃ [mm]	D ₁ [mm]	D ₂ [mm]	H ₁ [mm]	H ₂ [mm]	H ₃ [mm]	SD [mm]	SR [mm]	B ₁ [mm]	B ₂ [mm]	B ₃ [mm]
GSQB-100	101	265	230	17	26	108	145	220	200	112	40	50	60
GSQB-110	111	265	230	17	26	108	145	220	200	112	40	50	60
GSQB-120	121	265	230	17	26	108	145	220	200	112	40	50	60
GSQB-150	151	312	273	17	26	130	179	265	245	135	40	50	60

Solar Tracking Bracket Bearings

GSQB-EC光伏跟踪支架关节轴承 PV Support bracket bearings

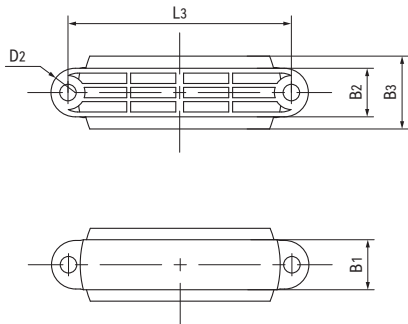
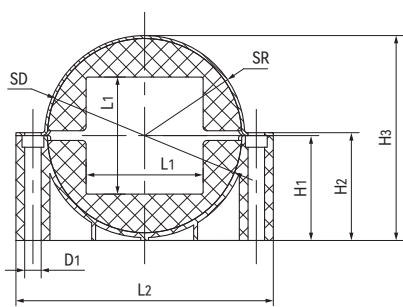


产品特性 Product features

- 矮型与低成本设计
 - 户外耐紫外线老化
 - 耐高低温湿热老化
 - 低摩擦，耐磨损
 - 适用于平地或斜坡支架
 - 高强度、易安装
- Low-profile & low-cost design
 - UV resistance
 - High and low temperature, damp-heat aging
 - Low friction, wear resistance
 - Suitable for flat or slope brackets
 - High strength, easy installation



标准规格 Standard specifications



产品编码 Part No.:
GSQB-120-EC
└─ 经济型 Economy
└─ 内宽 Inner width

产品编码 Part No.	L ₁ [mm]	L ₂ [mm]	L ₃ [mm]	D ₁ [mm]	D ₂ [mm]	H ₁ [mm]	H ₂ [mm]	H ₃ [mm]	SD [mm]	SR [mm]	B ₁ [mm]	B ₂ [mm]	B ₃ [mm]
GSQB-100-EC	101	265	230	17	25	108	111	211	200	103	50	50	60
GSQB-110-EC	111	265	230	17	25	108	111	211	200	103	50	50	60
GSQB-120-EC	121	265	230	17	25	108	111	211	200	103	50	50	60
GSQB-120-075-EC*	121	265	230	17	25	108	111	211	200	103	50	50	75

*带穿线槽设计 With cable routing groove design

GSQB-ML-EC光伏跟踪支架关节轴承 PV Support bracket bearings

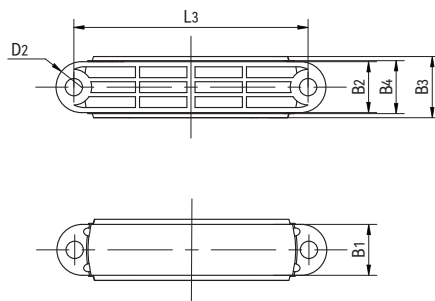
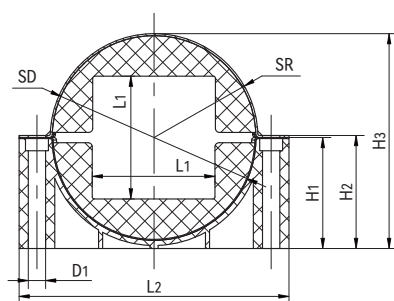


产品特性 Product features

- 带金属垫长寿命设计
- 矮型与低成本设计
- 户外耐紫外线老化
- 耐高低温湿热老化
- 低摩擦，耐磨损
- 适用于平地或斜坡支架
- 高强度、易安装
- Long-life design with metal liner
- Low-profile & low-cost design
- UV resistance
- High and low temperature, damp-heat aging
- Low friction, wear resistance
- Suitable for flat or slope brackets
- High strength, easy installation



标准规格 Standard specifications



产品编码 Part No.:

GSQB-120-ML-EC

经济型 Economy
金属垫 Metal liner
内宽 Inner width

产品编码 Part No.	L ₁ [mm]	L ₂ [mm]	L ₃ [mm]	D ₁ [mm]	D ₂ [mm]	H ₁ [mm]	H ₂ [mm]	H ₃ [mm]	SD [mm]	SR [mm]	B ₁ [mm]	B ₂ [mm]	B ₃ [mm]	B ₄ [mm]
GSQB-100-ML-EC	101	265	230	17	25	109	111	211	200	102	50	50	60	52
GSQB-110-ML-EC	111	265	230	17	25	109	111	211	200	102	50	50	60	52
GSQB-120-ML-EC	121	265	230	17	25	109	111	211	200	102	50	50	60	52
GSQB-120-075-ML-EC*	121	265	230	17	25	109	111	211	200	102	50	50	75	52

*带穿线槽设计 With cable routing groove design

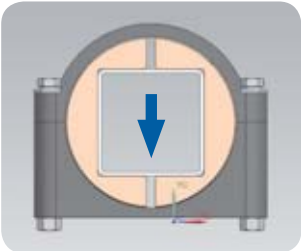
Solar Tracking Bracket Bearings

太阳能跟踪支架轴承

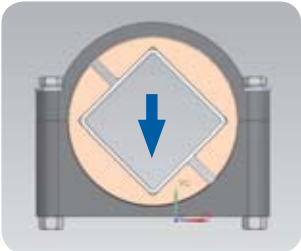
GSQB-120轴承承载性能试验 Bearing load capacity test

测试项目与方向 Test items and directions		测试数据 Test data
GSQB-120 抗压试验 Compression test	测试方向Test direction A+	130 kN
	测试方向Test direction B+	60 kN
	测试方向Test direction C+	120 kN
GSQB-120 抗拉试验 Tensile test	测试方向Test direction A-	40 kN
	测试方向Test direction B-	50 kN
	测试方向Test direction C-	50 kN

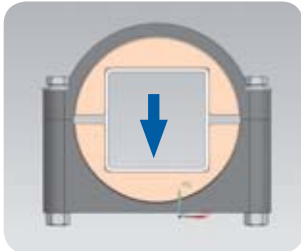
■ 抗压试验-加载角度为9度 Compression test with an angle of 9 degree



测试方向Test Direction
A+

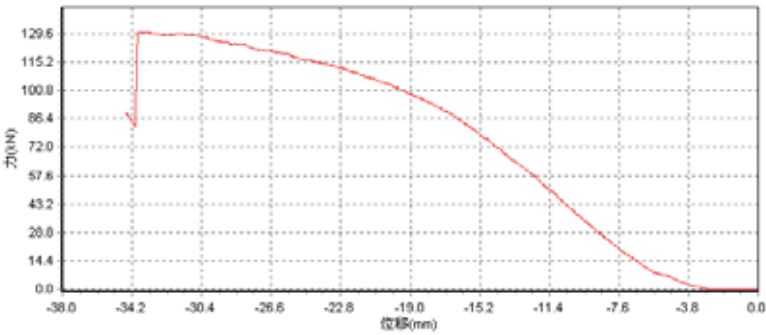


测试方向Test Direction
B+

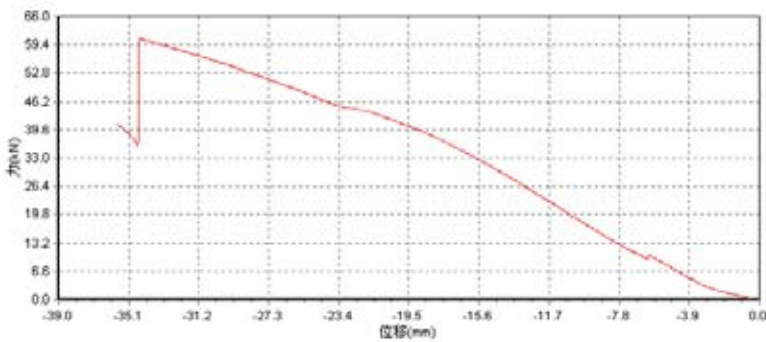


测试方向Test Direction
C+

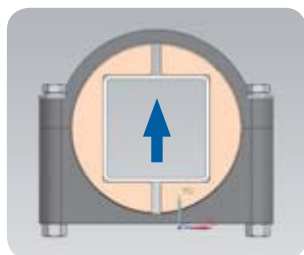
测试方向Test Direction A+ / C+



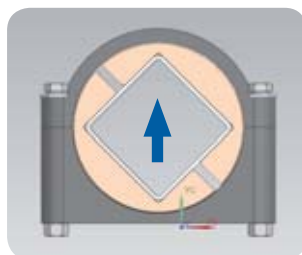
测试方向Test Direction B+



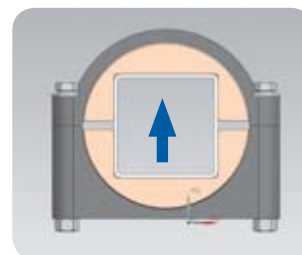
■ 抗拉试验-加载角度为9度 Tensile test with an angle of 9 degree



测试方向Test Direction
A-

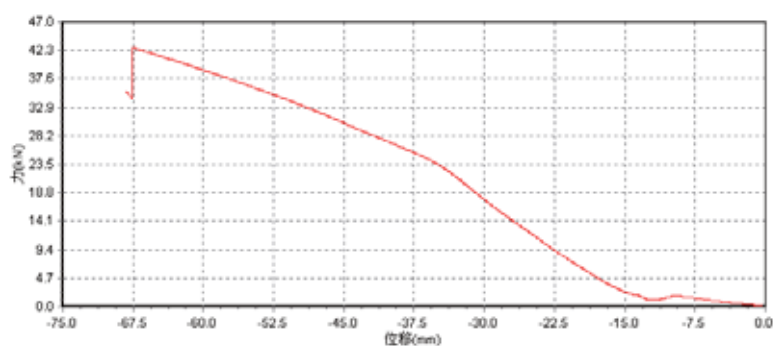


测试方向Test Direction
B-

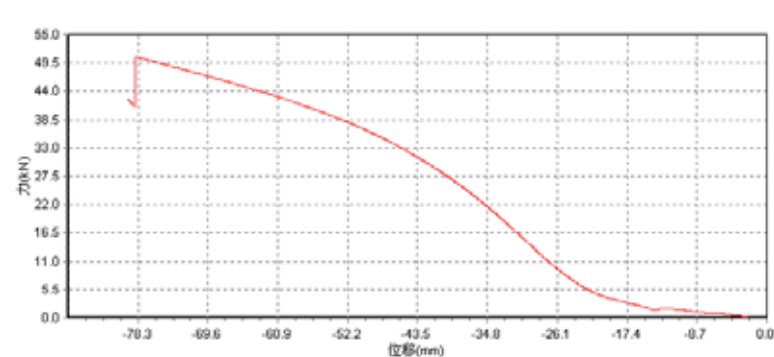


测试方向Test Direction
C-

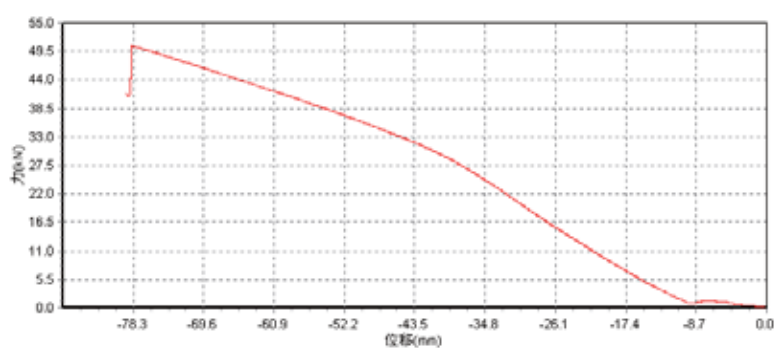
测试方向Test Direction A-



测试方向Test Direction B-



测试方向Test Direction C-



Solar Tracking Bracket Bearings

太阳能跟踪支架轴承

GSQB-120安装示意图 Installation

STEP1:
安装底板 Installation the bottom plate

A1



A2



STEP2:
安装下基座与下球体并采用螺栓定位安装孔
Installation the below housing and the below ball and position the installation holes with the bolts

B1



B2



STEP3:
安装方管 Installation the square profit

c1

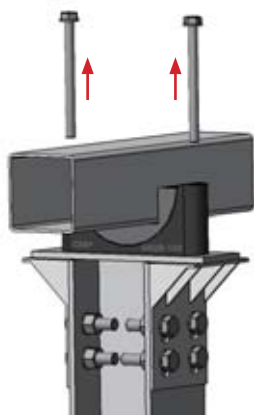


c2



STEP4:
移除螺栓 Remove the bolts

D1



D2



STEP5:
安装上球体、上盖与抱箍 Installation the upper ball, cap and clamp

E1

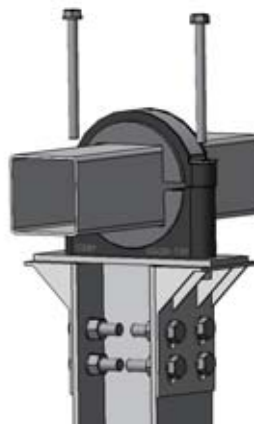


E2



STEP6:
锁紧螺栓M16×2. Fixed the bearing with the bolts M16×2

F1



F2



注意Notes:

CSB推荐锁紧螺栓扭矩为 CSB recommends the bolt tightening torque: 100-120N.m, 最大扭矩Max. torque≤160N.m