

精密滚珠丝杆
Precision ball screw

带公制螺纹单螺母精密滚珠丝杆GLM系列（C3/C5）
GLM series Stepped precision ball screw (C3/C5)

精密滚珠丝杆标准库存品

公称型号的构成 Model number notation

GLM 08 02 — 330 R 330 C3 — 1 X
1 2 3 4 5 6 7 8 9

- 1 系列符号
GLM: 带公制螺纹单螺母精密滚珠丝杆

2 丝杆轴公称外径 (mm)

3 导程 (mm)

4 螺纹部长度 (mm)

5 螺纹旋向 (R=右旋)

6 丝杆轴总长 (mm)

7 精度等级 (C3/C5)

8 涂抹的油脂
0: 本公司推荐的润滑脂 (GHY No.2)
1: 食品级润滑脂 (FG2 No.2)
2: 洁净室专用润滑脂 (MCG No.1)

9 螺母法兰朝向
X: 固定侧
Y: 支撑侧
- 1 Series of symbols
GLM: precision ball screw with single nut with metric thread

2 Nominal outer diameter of screw shaft (mm)

3 Lead (mm)

4 Length of thread part (mm)

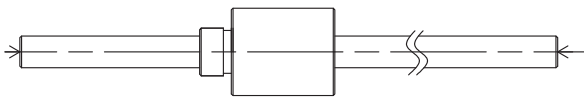
5 Thread direction (R=right-handed)

6 Total length of screw shaft (mm)

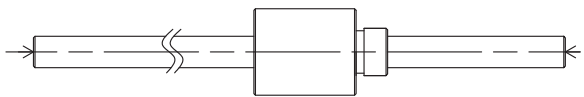
7 Accuracy grade (C3/C5)

8 Grease type
0: Recommended grease (GHY No.2)
1: Grease for food processing (FG2 No.2)
2: Grease for clean room (MCG No.1)

9 Nut flange orientation
X: Fixed side
Y: Support side



X: Fixed side / 固定侧

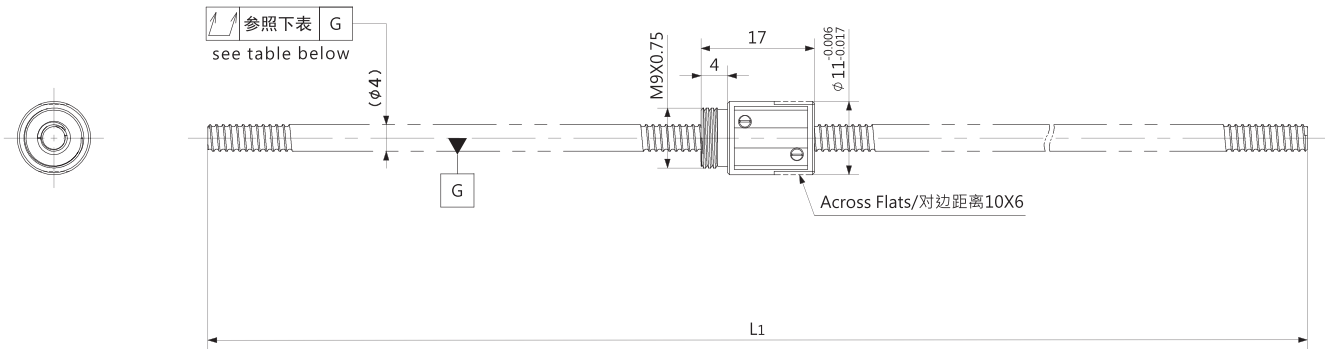


Y: Supported side / 支撑侧

- 精度等级和轴向间隙
GLM系列（带公制螺纹单螺母精密滚珠丝杆标准库存品）的精度等级有JIS C3/C5两种。轴向间隙根据精度等级不同备有0mm（预压：C3）和0.005mm以下（C5）。
- Accuracy class and axial clearance
Accuracy grade of GLM series (standard stock of precision ball screw with single nut with metric thread) are based on C3 and C5 (JIS B 1192-3) . According to accuracy grade, Axial play 0 (Preload : C3) and 0.005mm or less (C5) are in stock.
- 材质和表面硬度
GLM系列（带公制螺纹单螺母精密滚珠丝杆标准库存品）的螺杆轴丝杆材料S55C（高频淬火）、螺母材料SCM415H（渗碳淬火），滚珠丝杆部分的表面硬度为HRC58以上。
- Material & Surface Hardness
GLM series (standard stock of precision ball screw with single nut with metric thread) of screw shaft screw material S55C (induction hardening), nut material SCM415H (carburizing and hardening), the surface hardness of the ball screw part is HRC58 or higher.
- 轴端形状
GLM系列（带公制螺纹单螺母精密滚珠丝杆标准库存品）的轴端形状已实现标准化。
- Shaft End Shape
The shaft end shape of the GLM series (standard stock of precision ball screws with single nut with metric thread) has been standardized.

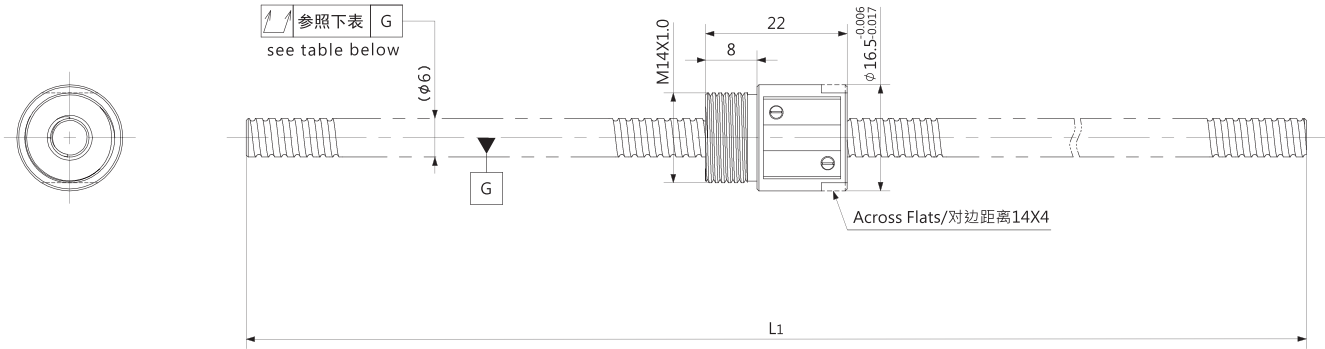
GLM0401 | Shaft dia.(轴径) ϕ 4Lead(导程)1mm | C3&C5 |

GLM0602 | Shaft dia.(轴径) ϕ 6Lead(导程)2mm | C3&C5 |



Unit (单位): mm

Ball Screw Specifications		主要技术参数
Ball size	钢珠直径	ϕ 0.8
BCD	钢珠中心直径	4.15
Lead Angle	导程角	4°23′
Number of thread	螺纹条数	1
Thread direction	螺纹旋向	Right 右旋
Shaft root dia	丝杠轴底径	ϕ 3.3
Number of circuit	循环数	3.7×1
Material 材质	Shaft 轴	S55C
	Nut 螺母	SCM415H
Surface hardness 螺纹部表面硬度		HRC58~62 (Thread area)
Anti-rust treatment 防锈处理		Anti-rust oil 防锈油



Unit (单位): mm

Ball Screw Specifications		主要技术参数
Ball size	钢珠直径	ϕ 1
BCD	钢珠中心直径	6.20
Lead Angle	导程角	5°52′
Number of thread	螺纹条数	1
Thread direction	螺纹旋向	Right 右旋
Shaft root dia	丝杠轴底径	ϕ 5.1
Number of circuit	循环数	2.7×1
Material 材质	Shaft 轴	S55C
	Nut 螺母	SCM415H
Surface hardness 螺纹部表面硬度		HRC58~62 (Thread area)
Anti-rust treatment 防锈处理		Anti-rust oil 防锈油

Unit(单位):mm										
Ball Screw Model 滚珠丝杠型号	Travel 行程	Grade 精度	Shaft length 丝杠轴长度	Lead accuracy 导程精度		Total Run-out 全跳动 	Axial play 轴向间隙	Preload Torque 预压扭矩 Nm	Basic Load Rating 基本额定负载 N	
			L ₁	Travel deviation 代表移动量误差 e _p	Variation 波动 V ₃₀₀				Dynamic 额定动负载 Ca	Static 额定静负载 Coa
GLM0401-044R084	64	C3	84	±0.008	0.008	0.035	0 Spacer ball 间隔钢珠 (1:1)	~0.004	350	400
GLM0401-064R104	84		104	±0.008						
GLM0401-094R134	114		134	±0.008						
GLM0401-044R084	64	C5	84	±0.018	0.018	0.090	~0.005	—	560	790
GLM0401-064R104	84		104	±0.018						
GLM0401-094R134	114		134	±0.018						

Note) Please designate end-journal profile with your sketch. 注) 轴端的追加加工请结合图纸进行指示。

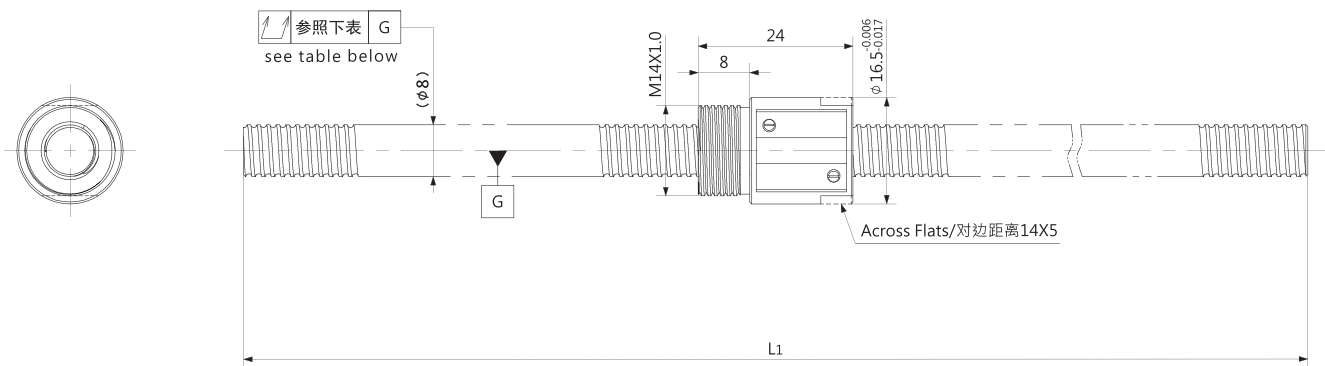
Unit(单位): mm

Ball Screw Model 滚珠丝杠型号	Travel 行程	Grade 精度	Shaft length 丝杠轴长度	Lead accuracy 导程精度		Total Run-out 全跳动 	Axial play 轴向间隙	Preload Torque 预压扭矩 Nm	Basic Load Rating 基本额定负载 N	
			L ₁	Travel deviation 代表移动量误差 e _p	Variation 波动 V ₃₀₀				Dynamic 额定动负载 Ca	Static 额定静负载 Coa
GLM0602-064R108	88	C3	108	±0.008	0.008	0.035	0 Spacer ball 间隔钢珠 (1:1)	~0.004	470	590
GLM0602-094R138	118		138	±0.008						
GLM0602-124R168	148		168	±0.010						
GLM0602-064R108	88	C5	108	±0.018	0.018	0.090	~0.005	—	750	1200
GLM0602-094R138	118		138	±0.018						
GLM0602-124R168	148		168	±0.020						

Note) Please designate end-journal profile with your sketch. 注) 轴端的追加加工请结合图纸进行指示。

GLM0801.5 | Shaft dia.(轴径)φ8 Lead(导程)1.5mm | C3&C5 |

GLM0802 | Shaft dia.(轴径)φ8 Lead(导程)2mm | C3&C5 |



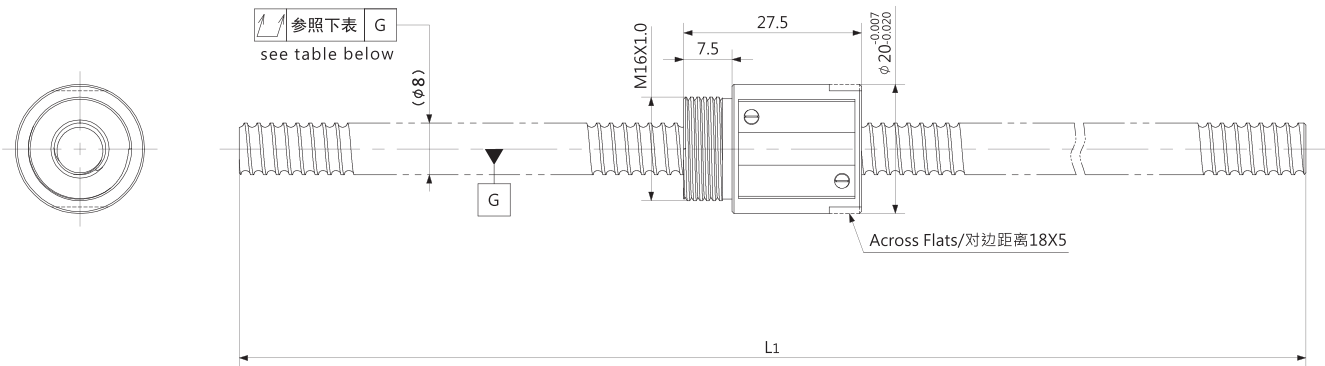
Unit (单位): mm

Ball Screw Specifications		主要技术参数
Ball size	钢珠直径	φ1
BCD	钢珠中心直径	8.20
Lead Angle	导程角	3°20′
Number of thread	螺纹条数	1
Thread direction	螺纹旋向	Right 右旋
Shaft root dia	丝杠轴底径	φ7.1
Number of circuit	循环数	3.7×1
Material 材质	Shaft 轴	S55C
	Nut 螺母	SCM415H
Surface hardness 螺纹部表面硬度		HRC58~62 (Thread area)
Anti-rust treatment 防锈处理		Anti-rust oil 防锈油

Unit(单位):mm

Ball Screw Model 滚珠丝杠型号	Travel 行程	Grade 精度	Shaft length 丝杠轴长度	Lead accuracy 导程精度		Total Run-out 全跳动	Axial play 轴向间隙	Preload Torque 预压扭矩 Nm	Basic Load Rating 基本额定负载 N	
			L ₁	Travel deviation 代表移动量误差 e _p	Variation 波动 V ₃₀₀				Dynamic 额定动负载 Ca	Static 额定静负载 Coa
GLM0801.5-330R330C3	305	C3	330	±0.013	0.008	0.060	0 Spacer ball 间隔钢珠 (1:1)	0.002~0.008	700	1100
GLM0801.5-600R600C5	575	C5	600	±0.030	0.018	0.090	~0.005	—	1100	2200

Note) Please designate end-journal profile with your sketch. 注) 轴端的追加加工请结合图纸进行指示。



Unit (单位): mm

Ball Screw Specifications		主要技术参数
Ball size	钢珠直径	φ1.5875
BCD	钢珠中心直径	8.30
Lead Angle	导程角	4°23′
Number of thread	螺纹条数	1
Thread direction	螺纹旋向	Right 右旋
Shaft root dia	丝杠轴底径	φ6.6
Number of circuit	循环数	3.7×1
Material 材质	Shaft 轴	S55C
	Nut 螺母	SCM415H
Surface hardness 螺纹部表面硬度		HRC58~62 (Thread area)
Anti-rust treatment 防锈处理		Anti-rust oil 防锈油

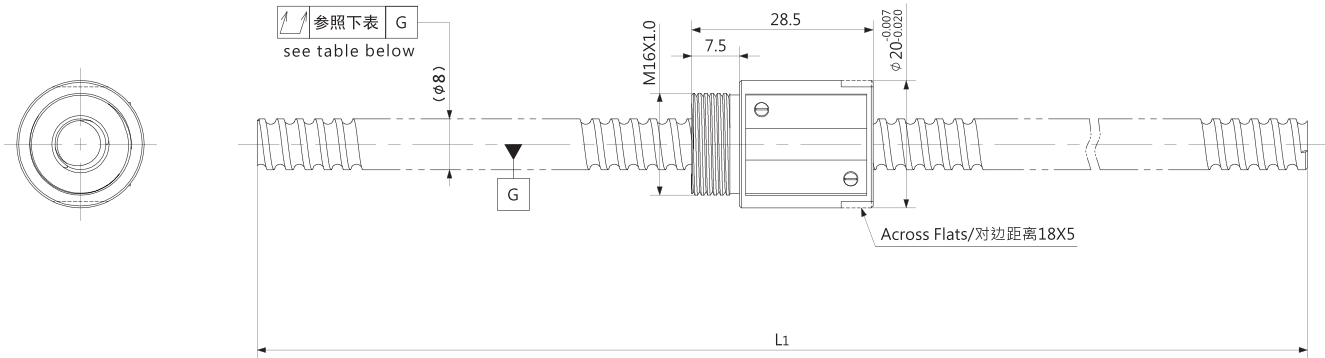
Unit(单位):mm

Ball Screw Model 滚珠丝杠型号	Travel 行程	Grade 精度	Shaft length 丝杠轴长度	Lead accuracy 导程精度		Total Run-out 全跳动	Axial play 轴向间隙	Preload Torque 预压扭矩 Nm	Basic Load Rating 基本额定负载 N	
			L ₁	Travel deviation 代表移动量误差 e _p	Variation 波动 V ₃₀₀				Dynamic 额定动负载 Ca	Static 额定静负载 Coa
GLM0802-074R124	97	C3	124	±0.008	0.008	0.060	0 Spacer ball 间隔钢珠 (1:1)	0.004~0.020	1550	2100
GLM0802-104R154	127		154	±0.010						
GLM0802-134R184	157		184	±0.010						
GLM0802-184R234	207		234	±0.010						
GLM0802-074R124	97	C5	124	±0.018	0.018	0.090	~0.005	—	2400	4100
GLM0802-104R154	127		154	±0.020						
GLM0802-134R184	157		184	±0.020						
GLM0802-184R234	207		234	±0.020						

Note) Please designate end-journal profile with your sketch. 注) 轴端的追加加工请结合图纸进行指示。

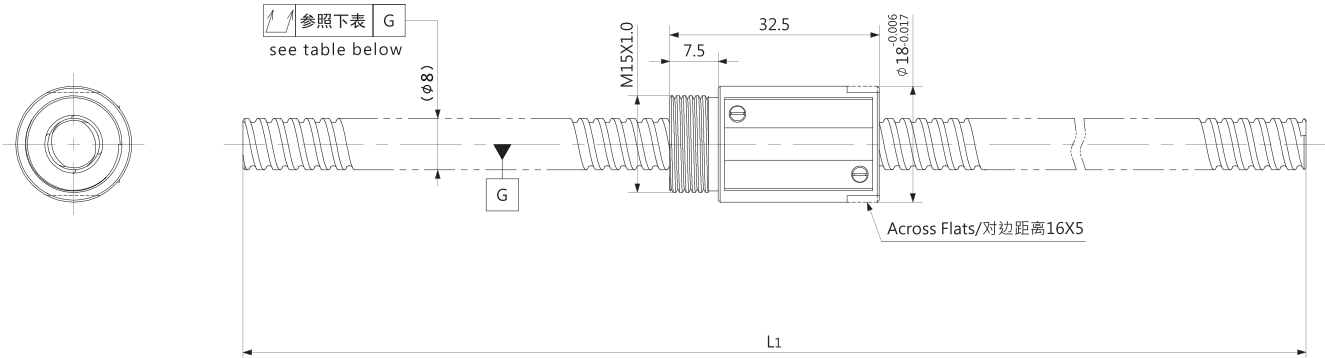
GLM0803 | Shaft dia.(轴径) ϕ 8Lead(导程)3mm | C3&C5 |

GLM0805 | Shaft dia.(轴径) ϕ 8Lead(导程)5mm | C3&C5 |



Unit (单位): mm

Ball Screw Specifications			主要技术参数
Ball size 钢珠直径			ϕ 2.0
BCD 钢珠中心直径			8.30
Lead Angle 导程角			6°34′
Number of thread 螺纹条数			1
Thread direction 螺纹旋向			Right 右旋
Shaft root dia 丝杠轴底径			ϕ 6.2
Number of circuit 循环数			2.7×1
Material 材质	Shaft 轴	S55C	
	Nut 螺母	SCM415H	
Surface hardness 螺纹部表面硬度			HRC58~62 (Thread area)
Anti-rust treatment 防锈处理			Anti-rust oil 防锈油



Unit (单位): mm

Ball Screw Specifications			主要技术参数
Ball size 钢珠直径			ϕ 1.5875
BCD 钢珠中心直径			8.30
Lead Angle 导程角			10°51′
Number of thread 螺纹条数			2
Thread direction 螺纹旋向			Right 右旋
Shaft root dia 丝杠轴底径			ϕ 6.6
Number of circuit 循环数			2.7×1
Material 材质	Shaft 轴	S55C	
	Nut 螺母	SCM415H	
Surface hardness 螺纹部表面硬度			HRC58~62 (Thread area)
Anti-rust treatment 防锈处理			Anti-rust oil 防锈油

Unit(单位): mm

Ball Screw Model 滚珠丝杠型号	Travel 行程	Grade 精度	Shaft length 丝杠轴长度	Lead accuracy 导程精度		Total Run-out 全跳动	Axial play 轴向间隙	Preload Torque 预压扭矩 Nm	Basic Load Rating 基本额定负载 N	
			L ₁	Travel deviation 代表移动量误差 e _p	Variation 波动 V ₃₀₀				Dynamic 额定动负载 Ca	Static 额定静负载 Coa
GLM0803-330R330C3	300	C3	330	±0.013	0.008	0.060	0 Spacer ball 间隔钢珠 (1:1)	0.004~0.020	1650	2100
GLM0803-600R600C5	570	C5	600	±0.030	0.018	0.090	~0.005	—	2600	4200

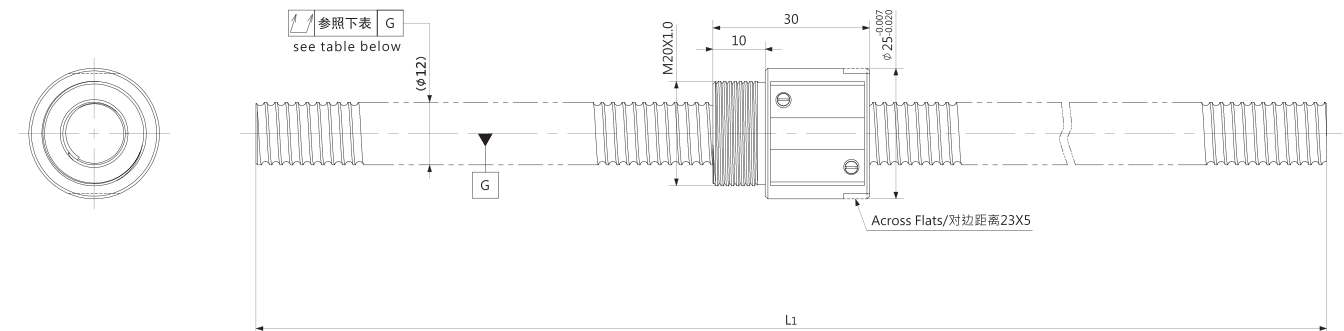
Note) Please designate end-journal profile with your sketch. 注) 轴端的追加加工请结合图纸进行指示。

Unit(单位):mm

Ball Screw Model 滚珠丝杠型号	Travel 行程	Grade 精度	Shaft length 丝杠轴长度	Lead accuracy 导程精度		Total Run-out 全跳动 	Axial play 轴向间隙	Preload Torque 预压扭矩 Nm	Basic Load Rating 基本额定负载 N	
			L ₁	Travel deviation 代表移动量误差 e _p	Variation 波动 V ₃₀₀				Dynamic 额定动负载 Ca	Static 额定静负载 Coa
GLM0805-154R204	173	C3	204	±0.010	0.008	0.060	0 Spacer ball 间隔钢珠 (1:1)	~0.015	1150	1500
GLM0805-204R254	223		254	±0.012						
GLM0805-254R304	273		304	±0.012						
GLM0805-304R354	323		354	±0.012						
GLM0805-354R404	373		404	±0.013						
GLM0805-154R204	173	C5	204	±0.020	0.018	0.090	~0.005	—	1850	3000
GLM0805-204R254	223		254	±0.023						
GLM0805-254R304	273		304	±0.023						
GLM0805-304R354	323		354	±0.023						
GLM0805-354R404	373		404	±0.025						

Note) Please designate end-journal profile with your sketch. 注) 轴端的追加加工请结合图纸进行指示。

GLM1202 | **Shaft dia. (轴径) $\phi 12$** | **Lead (导程) 2mm** | **C3&C5** |



Unit (单位): mm

Ball Screw Specifications		主要技术参数
Ball size 钢珠直径		φ1.5875
BCD 钢珠中心直径		12.30
Lead Angle 导程角		2°58′
Number of thread 螺纹条数		1
Thread direction 螺纹旋向		Right 右旋
Shaft root dia 丝杠轴底径		φ10.6
Number of circuit 循环数		3.7×1
Material 材质	Shaft 轴	S55C
	Nut 螺母	SCM415H
Surface hardness 螺纹部表面硬度		HRC58~62 (Thread area)
Anti-rust treatment 防锈处理		Anti-rust oil 防锈油

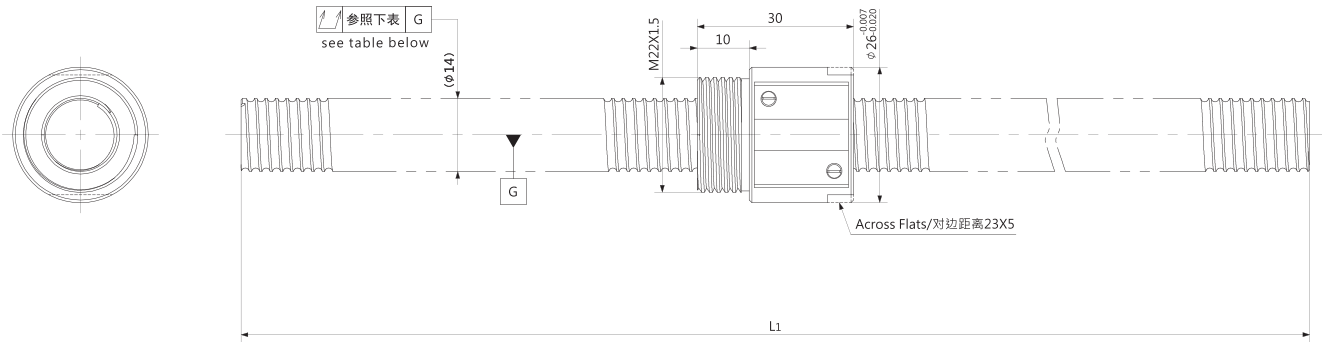
Unit(単位):mm

Ball Screw Model 滚珠丝杠型号	Travel 行程	Grade 精度	Shaft length 丝杠轴长度	Lead accuracy 导程精度		Total Run-out 全跳动 	Axial play 轴向间隙	Preload Torque 预压扭矩 Nm	Basic Load Rating 基本额定负载 N	
			L ₁	Travel deviation 代表移动量误差 e _p	Variation 波动 V ₃₀₀				Dynamic 额定动负载 Ca	Static 额定静负载 Coa
GLM1202-085R154	127	C3	154	±0.008	0.008	0.070	0 Spacer ball 间隔钢珠 (1:1)	0.008~0.040	1900	3200
GLM1202-135R204	177		204	±0.010						
GLM1202-185R254	227		254	±0.010						
GLM1202-235R304	277		304	±0.012						
GLM1202-285R354	327		354	±0.012						
GLM1202-085R154	127	C5	154	±0.018	0.018	0.090	~0.005	—	3000	6400
GLM1202-135R204	177		204	±0.020						
GLM1202-185R254	227		254	±0.020						
GLM1202-235R304	277		304	±0.023						
GLM1202-285R354	327		354	±0.023						

Note) Please designate end-journal profile with your sketch. 注) 轴端的追加加工请结合图纸进行指示。

GLM1402 | Shaft dia.(轴径)φ14 | Lead(导程)2mm | C3&C5 |

GLM1404 | Shaft dia.(轴径)φ14 | Lead(导程)4mm | C3&C5 |



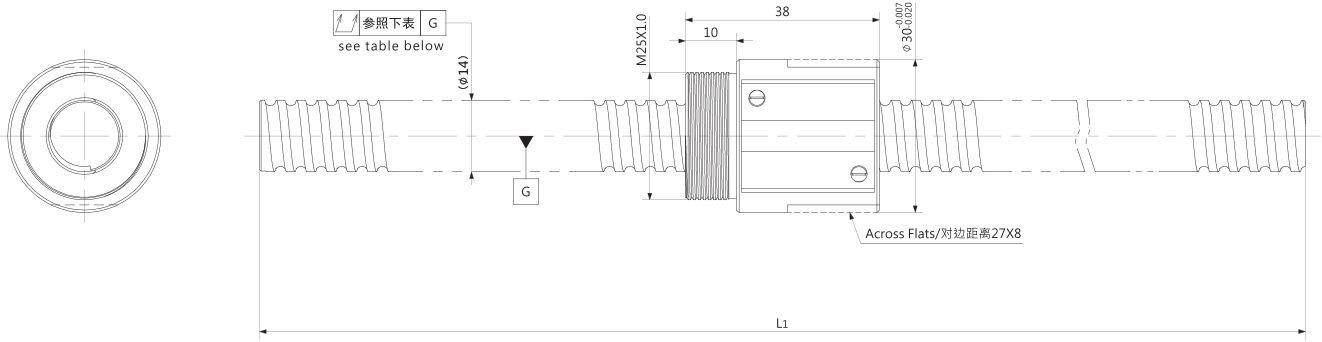
Unit (单位): mm

Ball Screw Specifications			主要技术参数
Ball size 钢珠直径			φ1.5875
BCD 钢珠中心直径			14.30
Lead Angle 导程角			2°33′
Number of thread 螺纹条数			1
Thread direction 螺纹旋向			Right 右旋
Shaft root dia 丝杠轴底径			φ12.6
Number of circuit 循环数			3.7×1
Material 材质	Shaft 轴	S55C	
	Nut 螺母	SCM415H	
Surface hardness 螺纹部表面硬度			HRC58~62 (Thread area)
Anti-rust treatment 防锈处理			Anti-rust oil 防锈油

Unit(单位) :mm

Ball Screw Model 滚珠丝杠型号	Travel 行程	Grade 精度	Shaft length 丝杠轴长度	Lead accuracy 导程精度		Total Run-out 全跳动	Axial play 轴向间隙	Preload Torque 预压扭矩 Nm	Basic Load Rating 基本额定负载 N	
			L ₁	Travel deviation 代表移动量误差 e _p	Variation 波动 V ₃₀₀				Dynamic 额定动负载 Ca	Static 额定静负载 Coa
GLM1402-085R156	128	C3	156	±0.008	0.008	0.070	0	0.010~0.050	2000	3800
GLM1402-135R206	178		206	±0.010						
GLM1402-185R256	228		256	±0.010						
GLM1402-235R306	278		306	±0.012						
GLM1402-335R406	378		406	±0.013						
GLM1402-085R156	128	C5	156	±0.018	0.018	0.015	~0.005	-	3200	7500
GLM1402-135R206	178		206	±0.020						
GLM1402-185R256	228		256	±0.020						
GLM1402-235R306	278		306	±0.023						
GLM1402-335R406	378		406	±0.025						

Note) Please designate end-journal profile with your sketch. 注) 轴端的追加加工请结合图纸进行指示。



Unit (单位): mm

Ball Screw Specifications			主要技术参数
Ball size 钢珠直径			φ2.381
BCD 钢珠中心直径			14.30
Lead Angle 导程角			5°05′
Number of thread 螺纹条数			2
Thread direction 螺纹旋向			Right 右旋
Shaft root dia 丝杠轴底径			φ11.8
Number of circuit 循环数			3.7×1
Material 材质	Shaft 轴	S55C	
	Nut 螺母	SCM415H	
Surface hardness 螺纹部表面硬度			HRC58~62 (Thread area)
Anti-rust treatment 防锈处理			Anti-rust oil 防锈油

Unit(单位) :mm

Ball Screw Model 滚珠丝杠型号	Travel 行程	Grade 精度	Shaft length 丝杠轴长度	Lead accuracy 导程精度		Total Run-out 全跳动	Axial play 轴向间隙	Preload Torque 预压扭矩 Nm	Basic Load Rating 基本额定负载 N	
			L ₁	Travel deviation 代表移动量误差 e _p	Variation 波动 V ₃₀₀				Dynamic 额定动负载 Ca	Static 额定静负载 Coa
GLM1404-148R219	183	C3	219	±0.010	0.008	0.070	0	0.020~0.070	3600	5800
GLM1404-198R269	233		269	±0.010						
GLM1404-248R319	283		319	±0.012						
GLM1404-348R419	383		419	±0.013						
GLM1404-448R519	483		519	±0.015						
GLM1404-148R219	183	C5	219	±0.020	0.018	0.015	~0.005	-	5700	11600
GLM1404-198R269	233		269	±0.020						
GLM1404-248R319	283		319	±0.023						
GLM1404-348R419	383		419	±0.025						
GLM1404-448R519	483		519	±0.027						

Note) Please designate end-journal profile with your sketch. 注) 轴端的追加加工请结合图纸进行指示。