

重型直线导向系统

HEAVY-DUTY LINEAR GUIDING SOLUTIONS

一套导轨平台，两种导向方式

One rail platform, two guiding methods

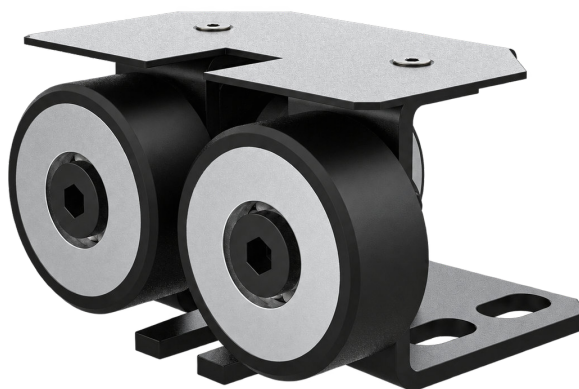


SG 滑动导向

SG sliding guidance

紧凑结构、耐冲击、频繁启停

Compact layouts, impact loading and frequent starts/stops

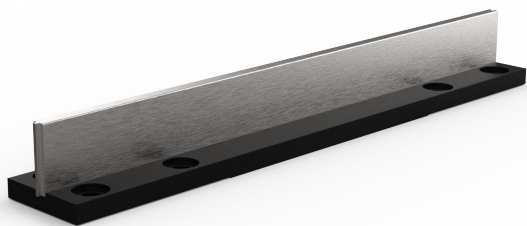


GL 滚轮导向器

GL Roller Guide

平稳运行、长行程、连续运行

Smooth motion, long travel and continuous operation



T75 / T89 导轨平台

Shared guide rail platform

配合关系示意，非真实比例。
具体型号及适用工况需核对。

Compatibility overview, not to scale.
Confirm model and operating conditions.

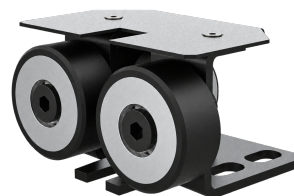
SG 与 GL 导向选择

SLIDING & ROLLER GUIDANCE



SG 直线滑块

Linear sliders



GL 滚轮导向器

Roller Guide

选型项目 Selection item	SG 直线滑块 Linear sliders	GL 滚轮导向器 Roller Guide
工作方式 Guiding method	滑块与导轨滑动接触 Sliding contact with the rail	滚轮沿导轨运行 Rollers running along the rail
推荐工况 Suggested conditions	紧凑、耐冲击、频繁启停 Compact, impact loading, frequent stops	平稳、长行程、连续运行 Smooth motion, long travel, continuous use
最大速度 Maximum speed	1.0 m/s	1.75 m/s
最大受力范围 Max. force by model	600–2000 N	800–1500 N
适用温度 Operating temperature	-5 ~ 80 °C	-5 ~ 50 °C
配用导轨 Compatible rails	T75 / T89	T75 / T89
润滑 Lubrication	无需油润滑 No oil lubrication required	无需油润滑 No oil lubrication required

选型时重点核对

Engineering checks

受力方向与峰值、速度与行程、安装空间及接口、环境与维护条件。

Force direction and peaks; speed and travel; mounting space and interfaces; ambient and maintenance conditions.

型号参数与选型入口

MODEL DATA & SELECTION

先比较受力与速度，再核对安装尺寸。
Compare force and speed, then check the mounting dimensions.

型号 Model	最大受力 Fx Max. force Fx	最大受力 Fy Max. force Fy	最大速度 Max. speed
SG15	600 N	600 N	1.0 m/s
SG16	1000 N	1000 N	1.0 m/s
SG17	1500 N	1500 N	1.0 m/s
SG17A	2000 N	2000 N	1.0 m/s
SG18	1000 N	1000 N	1.0 m/s
GL76	1500 N	1500 N	1.75 m/s
GL76A	800 N	800 N	1.75 m/s

寿命与维护参数

Service life & maintenance data

系列 Series	寿命参数 Service life data	维护周期 Maintenance interval
SG	滑块衬板 24 个月 / 底座 5 年 Liner: 24 months / Base: 5 years	30 天 30 days
GL	滚轮 24 个月 / 底座 5 年 Roller: 24 months / Base: 5 years	30 天 30 days

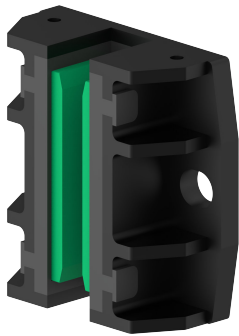
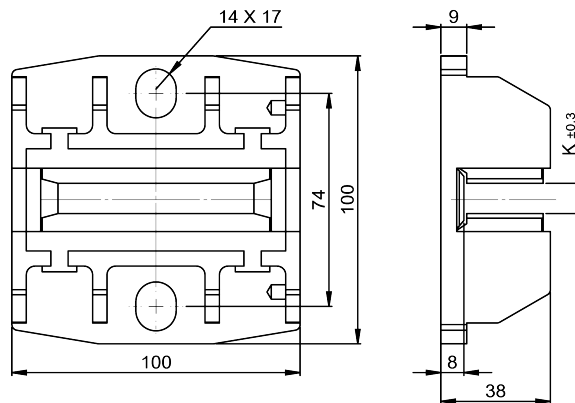
表列为型号最大受力；适用条件与安装尺寸需分别核对。
Maximum forces by model. Verify operating conditions and mounting dimensions.

SG15 / SG16 / SG17

LINEAR SLIDERS

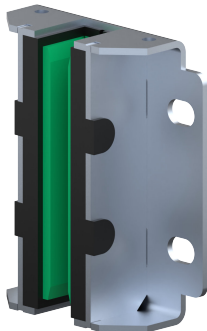
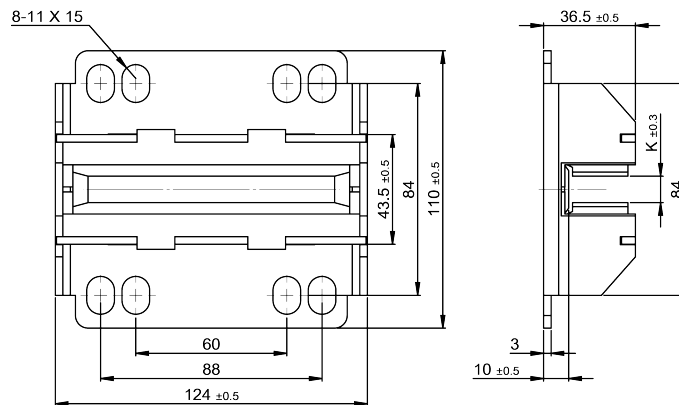
SG15

$F_x = F_y = 600 \text{ N}$



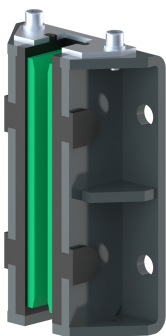
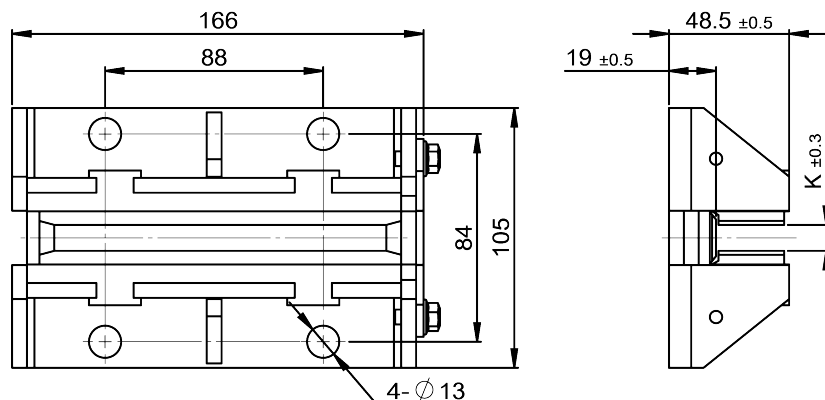
SG16

$F_x = F_y = 1000 \text{ N}$



SG17

$F_x = F_y = 1500 \text{ N}$



最大受力见各型号; 1.0 m/s; T75 / T89; 无需油润滑。

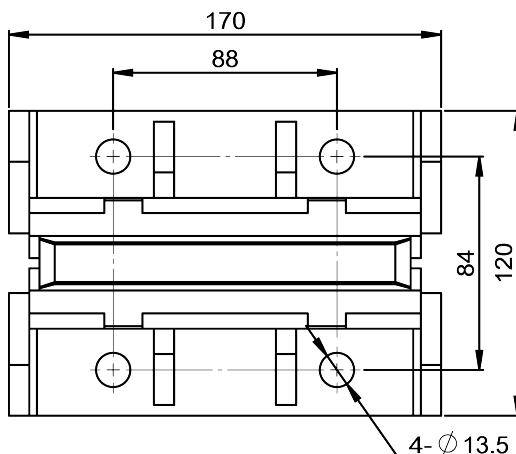
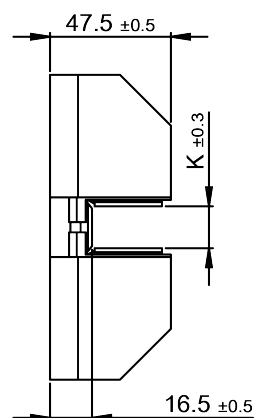
Max. force shown by model; 1.0 m/s; T75 / T89; no oil lubrication.

SG17A 与 SG18

SG17A & SG18 LINEAR SLIDERS

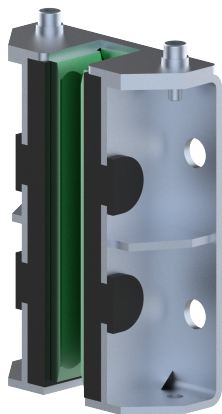
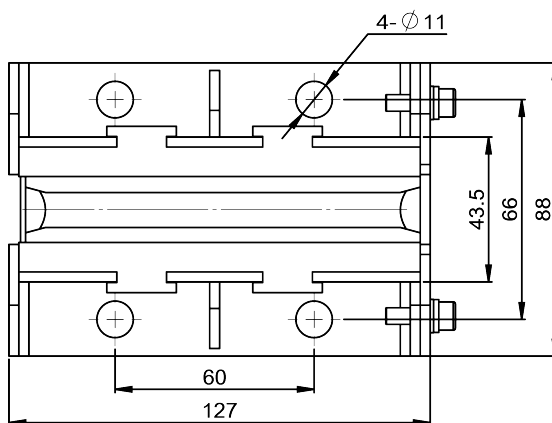
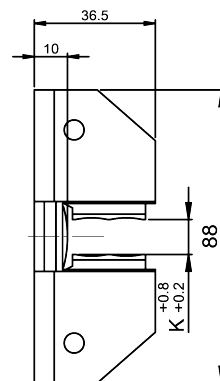
SG17A

最大受力 / Max. force 2000 N



SG18

最大受力 / Max. force 1000 N



共同参数 / Common data	规格 / Specification
最大速度 / 配用导轨 Max. speed / Compatible rails	1.0 m/s; T75 / T89
适用温度 / 维护周期 Temperature / Maintenance interval	-5 ~ 80 °C; 30 天 / days

SG17 / SG17A: 孔距 88 × 84 mm; 孔径分别为 4-Φ13 / 4-Φ13.5。

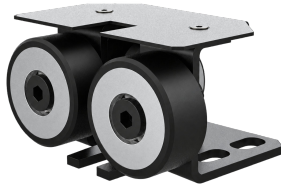
SG17 / SG17A: hole centres 88 × 84 mm; diameters 4-Φ13 / 4-Φ13.5 respectively.

GL76 与 GL76A

GL76 & GL76A ROLLER GUIDE

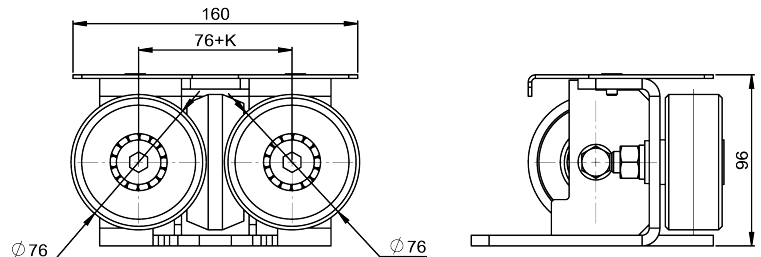
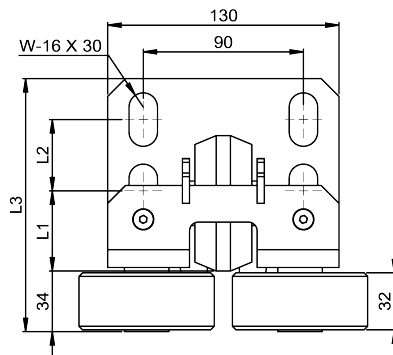
GL76

$F_x = F_y = 1500 \text{ N}$



尺寸规格 / Dimensions (mm)

规格 / Type	L1	L2	L3	W	导轨宽度 Rail width
P1	45	40	142	4	10
P2	45	40	142	4	16
P3	57	0	112	2	10
P4	57	0	112	2	16



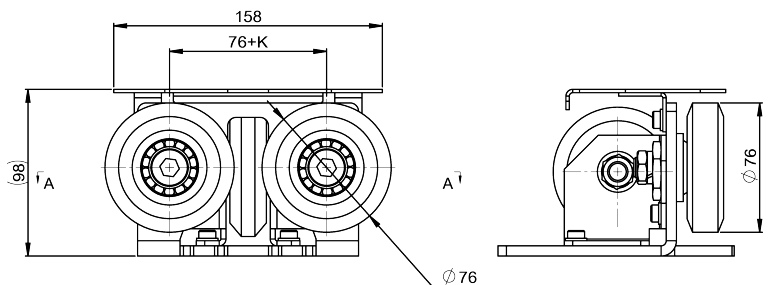
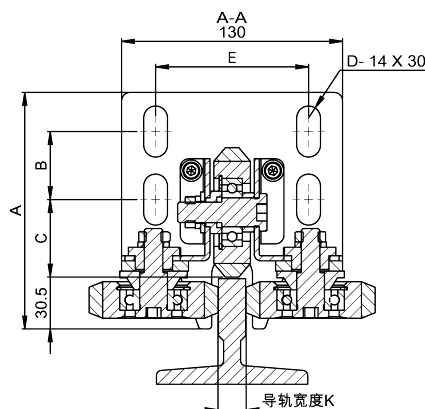
GL76A

$F_x = F_y = 800 \text{ N}$



尺寸规格 / Dimensions (mm)

Dim.	G01	G02	G03	G04	G05	G06
A	45.5	45.5	57.5	57.5	57.5	57.5
B	40	40	0	0	0	0
C	139	139	109	109	109	109
D	4	4	2	2	2	2
E	90	90	90	90	100	100
K	10	16	10	16	10	16



共同参数: 1.75 m/s; -5 ~ 50 °C; 维护 30 天; T75 / T89. K 为导轨宽度。

Common: 1.75 m/s; -5 to 50 °C; 30-day maintenance; T75 / T89. K = rail width.

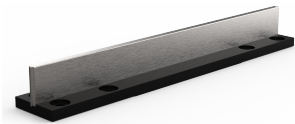
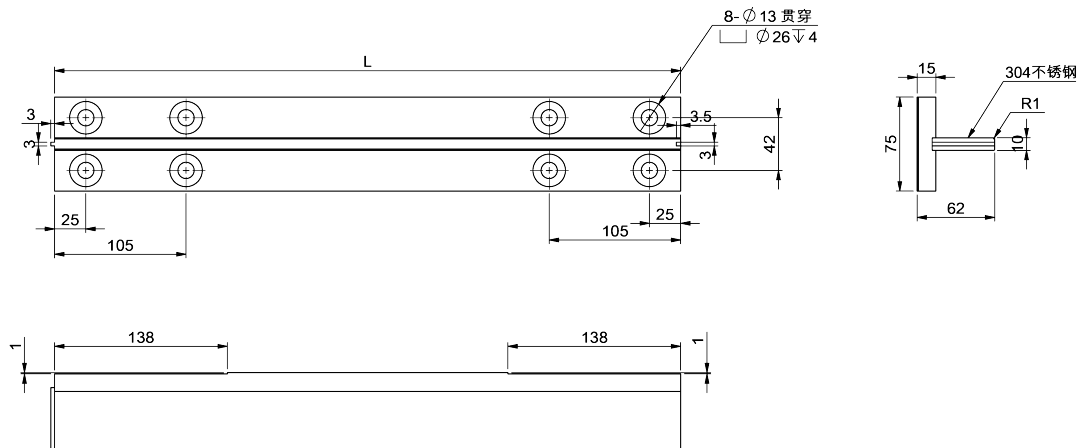
导轨平台与表面工艺

GUIDE RAIL PLATFORM & FINISH OPTIONS

T75

导轨宽度 75 mm

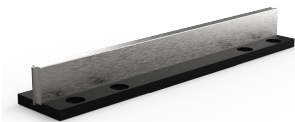
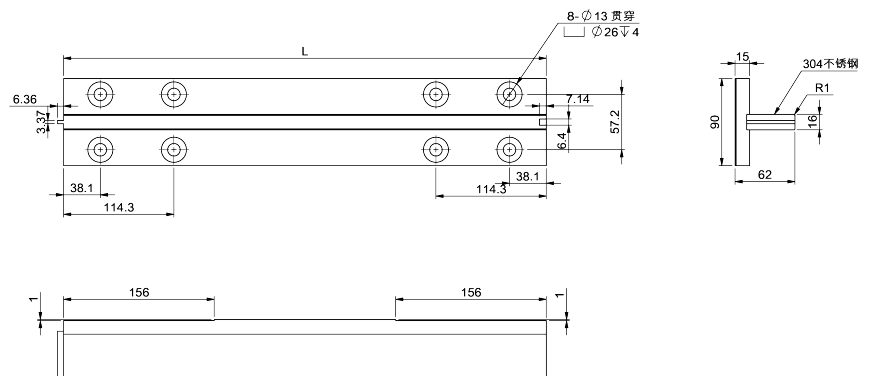
Rail width 75 mm



T89

导轨宽度 90 mm

Rail width 90 mm



图示导轨：材料与表面

Rails shown: material & finish

304 不锈钢工作面；A3 碳钢底座，黑色喷塑。单段最长 2 m，L 为单段长度。

304 stainless working face; A3 steel base, black powder coat. Max. 2 m per section; L denotes length.

常规导轨：可选镀铬或发黑工艺，单段最长 2 m。

Conventional guide rails: chrome-plated or black oxide finish; max. 2 m per section.

连接与安装

Joining & mounting

段间用连接板；底座开孔螺栓固定，或用专用压导板。

Join sections with connecting plates. Mount through base holes with bolts, or use dedicated clamps.

推荐应用与工程确认

SUGGESTED APPLICATIONS & ENGINEERING CHECKS

从运动方式与工况开始选型

Start with the motion and operating conditions

01 工业升降与物料提升

Industrial lifting & material handling

型号 · 峰值载荷 · 速度 · 行程 · 导轨长度

Model · Peak load · Speed · Travel · Rail length

02 重型门体与大型防护机构

Heavy doors & large guarding systems

冲击 · 启停频次 · 粉尘 · 维护

Impact · Start-stop cycles · Dust · Maintenance

03 仓储物流与堆垛设备

Warehouse logistics & stackers

长行程 · 连续运行 · 平稳性

Long travel · Continuous duty · Smooth motion

04 专用机械与自动化设备

Special-purpose machinery & automation

安装空间与方向 · 受力方向 · 接口

Mounting space / orientation · Force direction · Interfaces

询价请提供上述工况；订货前确认型号、导轨及安装图纸。以上为推荐方向，非客户案例。

Provide these conditions for enquiries; confirm models, rails and mounting drawings before ordering. Suggested applications, not customer case studies.