

Linear Actuator

线性致动器

◆ Definition & Usage

Linear actuators are often integrated into sophisticated control systems - providing precise position feedback and accurate control of the actuator.

Designed to meet the performances of today's automation tasks, particularly in linear motion control, our linear actuators provide reliable, cost-effective solutions in addition to competent technical backup.

Both our belt-driven and ballscrew-driven linear modules are designed using optimization designing tools, as a result of accumulated technological expertise.

Made of high-quality aluminium profile, the linear actuators are light and strong, with high speed and accuracy capabilities to satisfy customers' various needs of actuation, speed, payload and travel range.

◆ 定义与用途

线性致动器可提供精确位置反馈和致动器的准确控制，因此经常与精密控制系统组建在一起。

为了达到现今自动化项目的性能表现，尤其是线性运动的控制，我们的线性致动器，在优越的技术支援的前提下，提供了可靠且极具经济效益的解决方案。

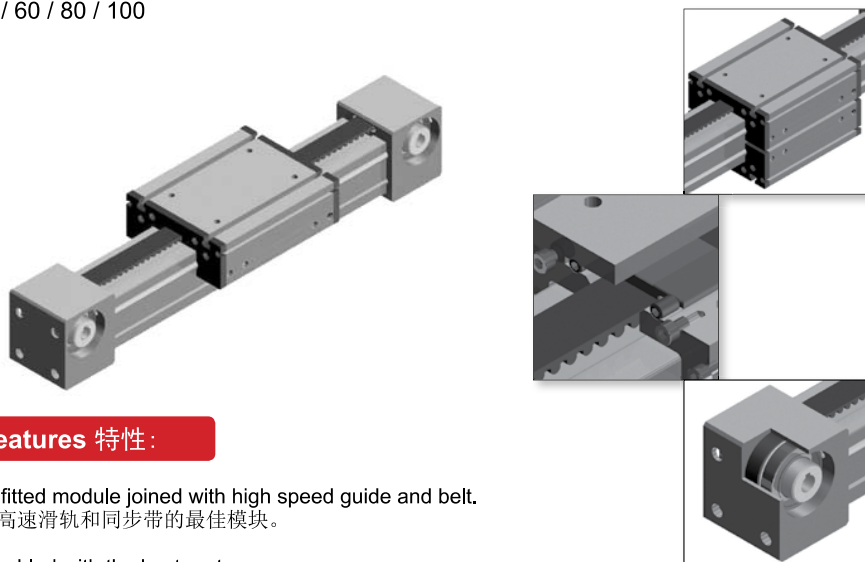
无论是同步带或滚珠丝杠驱动的线性模块，均是运用了最佳的机电设计工具加上累计多年的科技技术与心得的精心设计。

以高品质的铝制柜架为本，轻巧、坚固的线性致动器具有高速及高精度的特点，能满足客户对于驱动力、速度、有效载荷及行程范围的不同需求。

Belt-Driven Linear Module

同步带驱动线性模块

◆ RG-MB Series / 系列
40 / 60 / 80 / 100



>> Features 特性:

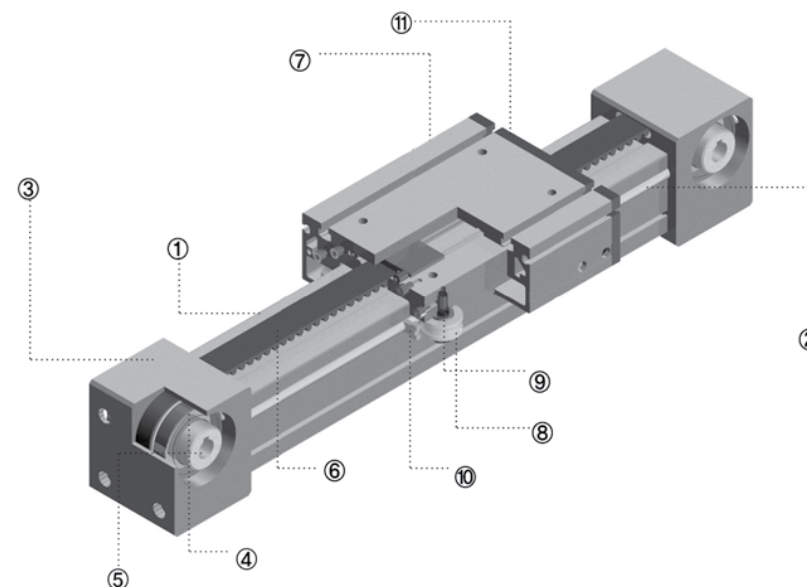
- ◆ Best fitted module joined with high speed guide and belt.
装配高速滑轨和同步带的最佳模块。
- ◆ Assembled with the best parts.
最佳配件组装。
- ◆ Improved time belt.
改良的同步带。
- ◆ Easy maintenance
简易保养。
- ◆ Able to satisfy diversified needs and requirements of customers.
足以满足客户的各种要求。

>> Models 型号:

Model No. 产品型号	Shaft 轴	Slider 滑块	Rail 滑轨	Pulley Box 带轮箱	Sealing 密封
40	Ø6	Chrome-coated Bearing Steel 镀铬涂层轴承钢 (SUJ2)	Anodized Aluminium 阳极氧化铝	Anodized Aluminium 阳极氧化铝	Engineering Plastic 工业塑料
60	Ø10				
80	Ø12				
100	Ø16				

Belt-Driven Linear Module

同步带驱动线性模块



>> Parts 组件:

No. 代号	Parts 组件	No. 代号	Parts 组件	No. 代号	Parts 组件
1	Rail 滑轨	6	Timing Belt 同步带	10	Wiper-Felt 弹簧垫圈-毛毡
2	Shaft 轴	7	Slider 滑块		
3	Pulley Box 带轮箱	8	Track Roller 滚轮轴承	11	Sealing 密封
4	Pulley Bearing 带轮轴承	9	Special washer for anti-rotating 特殊反旋转平垫圈		
5	Pulley 带轮				

>> Types of Slider Block 滑块类型:

S	Standard type slider block 标准型滑块
T	Standard slider + 2 rollers 标准型滑块 + 两列滚轮
H	Standard slider + 4 rollers 标准型滑块 + 四列滚轮

Belt-Driven Linear Module

同步带驱动线性模块

◇ RG-MB 40

>> Technical Data 技术数据:

Speed 速度		最大 Max. 4 m/s
Acceleration 加速度		最大 Max. 20 m/s²
Pulley P.C.D. 带轮 P. C. D.		31.83 mm
Stroke per Revolution 行程/转		≒ 100mm/rev.
No-load Torque 无负载扭矩		0.32Nm
2nd Moment of area 二次截面矩		$I_y = 1.4 \times 10^5 \text{ mm}^4$ $I_z = 1.2 \times 10^5 \text{ mm}^4$
Weight 重量	Basic weight with zero stroke 行程为零时的基本重量	2.1 kg
	Weight/100mm stroke 100mm行程重量	0.3 kg

◇ RG-MB 60

>> Technical Data 技术数据:

Speed 速度		最大 Max. 5 m/s
Acceleration 加速度		最大 Max. 40 m/s ²
Pulley P.C.D. 带轮 P. C. D.		41.83 mm
Stroke per Revolution 行程/转		≡ 130mm/rev.
No-load Torque 无负载扭矩		0.61Nm
2nd Moment of area 二次截面矩		I _y = 6.8 x 10 ⁵ mm ⁴ I _z = 6.7 x 10 ⁵ mm ⁴
Weight 重量	Basic weight with zero stroke 行程为零时的基本重量	5.6 kg
	Weight/100mm stroke 100mm行程重量	0.5 kg

Belt-Driven Linear Module

同步带驱动线性模块

◇ RG-MB 80

>> Technical Data 技术数据:

Speed 速度		最大 Max. 6 m/s
Acceleration 加速度		最大 Max. 40 m/s ²
Pulley P.C.D. 带轮 P. C. D.		61.12 mm
Stroke per Revolution 行程/转		≡ 192mm/rev.
No-load Torque 无负载扭矩		0.93Nm
2nd Moment of area 二次截面矩		I _y = 21.1 x 10 ⁵ mm ⁴ I _z = 19.5 x 10 ⁵ mm ⁴
Weight 重量	Basic weight with zero stroke 行程为零时的基本重量	12.9 kg
	Weight/100mm stroke 100mm行程重量	0.8 kg

◇ RG-MB 100

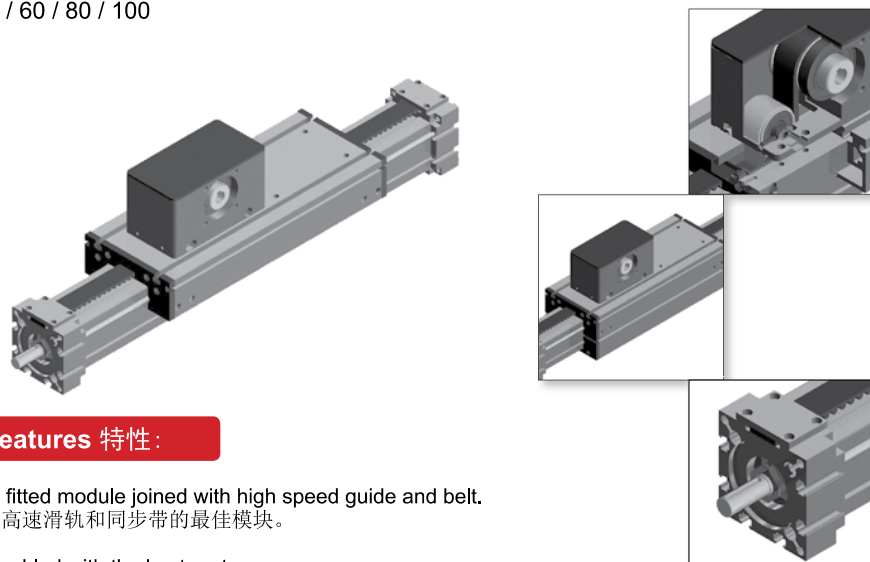
>> Technical Data 技术数据:

Speed 速度	最大 Max. 10 m/s	
Acceleration 加速度	最大 Max. 40 m/s ²	
Pulley P.C.D. 带轮 P. C. D.	81.49 mm	
Stroke per Revolution 行程/转	≡ 256mm/rev.	
No-load Torque 无负载扭矩	1.44Nm	
2nd Moment of area 二次截面矩	I _y = 54.2 x 10 ⁵ mm ⁴ I _z = 50.5 x 10 ⁵ mm ⁴	
Weight 重量	Basic weight with zero stroke 行程为零时的基本重量	28.0 kg
	Weight/100mm stroke 100mm行程重量	1.4 kg

Belt-Driven Linear Module

同步带驱动线性模块

◆ RG-MS Series / 系列
40 / 60 / 80 / 100



>> Features 特性:

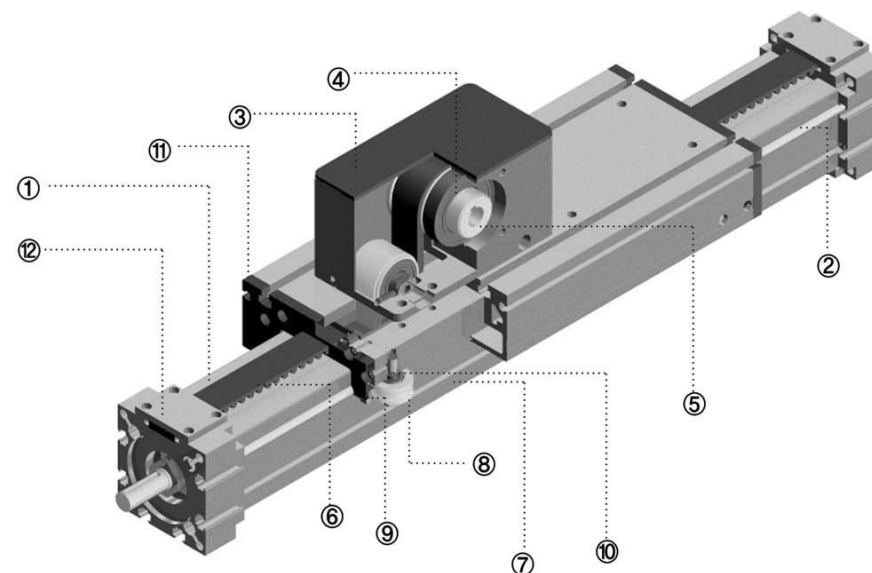
- ◆ Best fitted module joined with high speed guide and belt.
装配高速滑轨和同步带的最佳模块。
- ◆ Assembled with the best parts.
最佳配件组装。
- ◆ Improved time belt.
改良的同步带。
- ◆ Easy maintenance
简易保养。
- ◆ Able to satisfy diversified needs and requirements of customers.
足以满足客户的各种要求。

>> Models 型号:

Model No. 产品型号	Shaft 轴	Slider 滑块	Rail 滑轨	Pulley Box 带轮箱	Sealing 密封
40	Ø6	Chrome-coated Bearing Steel 镀铬涂层轴承钢 (SUJ2)	Anodized Aluminium 阳极氧化铝	Anodized Aluminium 阳极氧化铝	Engineering Plastic 工业塑料
60	Ø10				
80	Ø12				
100	Ø16				

Belt-Driven Linear Module

同步带驱动线性模块



>> Parts 组件:

No. 代号	Parts 组件	No. 代号	Parts 组件	No. 代号	Parts 组件
1	Rail 滑轨	6	Timing Belt 同步带	10	Wiper-Felt 弹簧垫圈-毛毡
2	Shaft 轴	7	Rail 滑轨		
3	Pulley Box 带轮箱	8	Track Roller 滚轮轴承	11	Sealing 密封
4	Pulley Bearing 带轮轴承	9	Special washer for anti-rotating 特殊反旋转平垫圈	12	Bearing Housing 轴承箱
5	Pulley 带轮				

>> Slider Options 滑块式样:

Module Type 模块式	RG - MS 40/60/80/100	Standard Type - Upper Slider mounted only. 标准型 - 仅在滑轨上部安装滑块
	RG - MSD 40/60/80/100	Slider is mounted on both upper and lower side - suitable for high load and high torque conditions, ease of rail movement with fixing sliders. 滑轨上下均安装滑块-适用于高负载和高扭矩环境, 能在固定滑块的情况下顺畅地运行滑轨。
Rotary Shaft 旋转轴	RG - MS(D) R 40/60/80/100	Rotary shaft mounted hence enabling ease of addition of gripper or other mechanical components. 附有旋转轴, 因而让钳子或其他机械元件的安装更简易。

Belt-Driven Linear Module

同步带驱动线性模块

◇ RG-MS 40

>> Technical Data 技术数据:

Speed 速度		最大 Max. 4 m/s
Acceleration 加速度		最大 Max. 20 m/s²
Pulley P.C.D. 带轮P. C. D.		31.83 mm
Stroke per Revolution 行程/转		≒ 100mm/rev.
No-load Torque 无负载扭矩		0.32Nm
2nd Moment of area 二次截面矩		I _y = 1.4 x 10 ⁵ mm ⁴ I _z = 1.2 x 10 ⁵ mm ⁴
Weight 重量	Basic weight with zero stroke 行程为零时的基本重量	3.4 kg
	Weight/100mm stroke 100mm行程重量	0.3 kg

◇ RG-MS 60

>> Technical Data 技术数据:

Speed 速度		最大 Max. 5 m/s
Acceleration 加速度		最大 Max. 40 m/s ²
Pulley P.C.D. 带轮P. C. D.		41.83 mm
Stroke per Revolution 行程/转		≡ 130mm/rev.
No-load Torque 无负载扭矩		0.61Nm
2nd Moment of area 二次截面矩		I _y = 6.8 x 10 ⁵ mm ⁴ I _z = 6.7 x 10 ⁵ mm ⁴
Weight 重量	Basic weight with zero stroke 行程为零时的基本重量	7.8 kg
	Weight/100mm stroke 100mm行程重量	0.5 kg

Belt-Driven Linear Module

同步带驱动线性模块

◇ RG-MS 80

>> Technical Data 技术数据:

Speed 速度		最大 Max. 6 m/s
Acceleration 加速度		最大 Max. 40 m/s ²
Pulley P.C.D. 带轮P. C. D.		61.12 mm
Stroke per Revolution 行程/转		≡ 192mm/rev.
No-load Torque 无负载扭矩		0.93Nm
2nd Moment of area 二次截面矩		I _y = 21.1 x 10 ⁵ mm ⁴ I _z = 19.5 x 10 ⁵ mm ⁴
Weight 重量	Basic weight with zero stroke 行程为零时的基本重量	16.9 kg
	Weight/100mm stroke 100mm行程重量	0.8 kg

◇ RG-MS 100

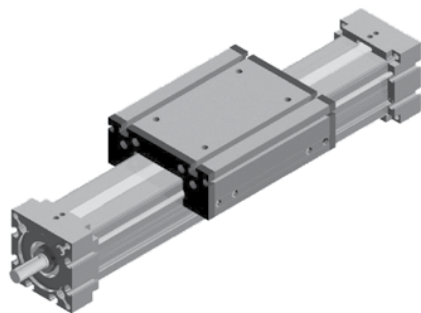
>> Technical Data 技术数据:

Speed 速度	最大 Max. 10 m/s	
Acceleration 加速度	最大 Max. 40 m/s ²	
Pulley P.C.D. 带轮P. C. D.	81.49 mm	
Stroke per Revolution 行程/转	≡ 256mm/rev.	
No-load Torque 无负载扭矩	1.44Nm	
2nd Moment of area 二次截面矩	I _y = 54.2 x 10 ⁵ mm ⁴ I _z = 50.5 x 10 ⁵ mm ⁴	
Weight 重量	Basic weight with zero stroke 行程为零时的基本重量	41.0 kg
	Weight/100mm stroke 100mm行程重量	1.4 kg

Ball Screw-Driven Linear Module

滚珠丝杠驱动线性模块

◆ RG-MZ Series / 系列
40 / 60 / 80 / 100

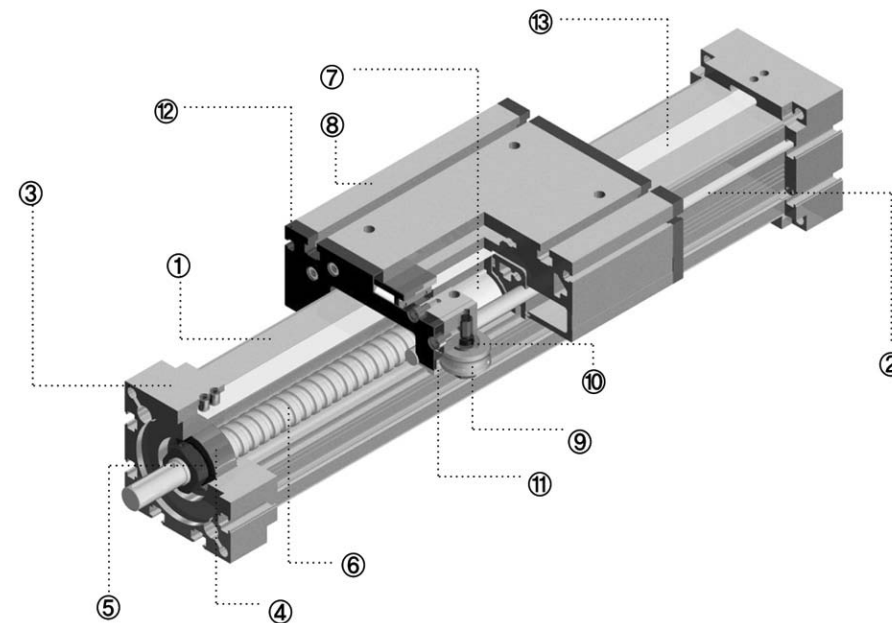


>> Features 特性:

- ◆ Best fitted module joined with high speed guide and belt.
装配高速滑轨和同步带的最佳模块。
- ◆ Assembled with the best parts.
最佳配件组装。
- ◆ Perfect combination of quality performance and cost-effectiveness.
优质性能与高成本效益的完美结合。
- ◆ Able to satisfy diversified needs and requirements of customers.
足以满足客户的各种要求。

>> Model 型号:

Model No. 产品型号	Shaft 轴		Slider 滑块	Rail 滑轨	Pulley Box 带轮箱	Sealing 密封
40	Ø6	Chrome-coated Bearing Steel 镀铬涂层轴承钢 (SUJ2)	Anodized Aluminium 阳极氧化铝	Anodized Aluminium 阳极氧化铝	Anodized Aluminium 阳极氧化铝	Engineering Plastic 工业塑料
60	Ø10					



>> Parts 组件:

No. 代号	Parts 组件	No. 代号	Parts 组件	No. 代号	Parts 组件
1	Rail 滑轨	6	Ballscrew 滚珠丝杠	10	Special washer for anti-rotating 特殊反旋转平垫圈
2	Shaft 轴	7	Ballscrew Nut 滚珠螺母		
3	Bearing Housing 轴承箱	8	Slider 滑块	11	Wiper-Felt 弹簧垫圈-毛毡
4	Bearing 轴承	9	Track Roller 滚轮轴承	12	Sealing 密封
5	Lock Nut 锁紧螺母			13	Stainless Steel Cover 不锈钢防尘条

>> Slider Options 滑块选项:

Module Type 模块式	RG - MZ	Standard Type - Upper Slider mounted only. 标准型-仅在滑轨上部安装滑块
	RG - MZD	Slider is mounted on both upper and lower side - suitable for high load and high torque conditions, ease of rail movement with fixing sliders. 滑轨上下均安装滑块-适用于高负载和高扭矩环境, 能在固定滑块的情况下顺畅地运行滑轨。
Types of Slider Block 滑块类型	RG - MZ(D)-S	Standard type slider block 标准型滑块
	RG - MZ(D)-T	Standard slider + 2 rollers 标准型滑块 + 两列滚轮
	RG - MZ(D)-H	Standard slider + 4 rollers 标准型滑块 + 四列滚轮

Ball Screw-Driven Linear Module

滚珠丝杠驱动线性模块

◇ RG-MZ 40

>> Technical Data 技术数据:

Standard Ball screw 标准滚珠螺母		16 x 5
Optional Ball screw 可选滚珠螺母		16 x 10
No-load Torque for 1605 无负载扭矩 (1605)		0.25 Nm
No-load Torque for 1610 无负载扭矩 (1610)		0.44 Nm
2nd Moment of area 二次截面矩		$I_y = 1.4 \times 10^5 \text{ mm}^4$ $I_z = 1.4 \times 10^5 \text{ mm}^4$
Weight 重量	Basic weight with zero stroke 行程为零时的基本重量	1.9 kg
	Weight/100mm stroke 100mm行程重量	0.37 kg

◇ RG-MZ 60

>> Technical Data 技术数据:

Standard Ball screw 标准滚珠螺母		25 x 10
Optional Ball screw 可选滚珠螺母		25 x 25
No-load Torque for 1605 无负载扭矩 (1605)		0.8 Nm
No-load Torque for 1610 无负载扭矩 (1610)		1.4 Nm
2nd Moment of area 二次截面矩		$I_y = 6.8 \times 10^5 \text{ mm}^4$ $I_z = 7.0 \times 10^5 \text{ mm}^4$
Weight 重量	Basic weight with zero stroke 行程为零时的基本重量	5.8 kg
	Weight/100mm stroke 100mm行程重量	0.93 kg

Robotics System

机器人系统



Definition & Usage

Robots are used in a wide range of industrial applications.

Automatically controlled, programmable, highly dependable with the capacity to achieve high speed, payload and accuracy are among some of the most desirable characteristics of robots.

Today, with advanced technological expertise, we are able to offer robotics solutions for applications such as welding, painting, assembly, pick and place (such as packaging, palletizing and SMT), product inspection, and testing; all accomplished with high endurance, speed, and precision.

定义与用途

机器人的工业应用范围很广。

可自动化控制, 可编程序, 高度可靠且有能达到高速、高荷载和高精准性均是工业用机器人最吸引人的特征之一。

今天, 以先进科技的专门技术为基础, 我们能为多项工业应用例如焊接、喷漆、组装、捡起和放置(例如包装、架装拖盘和SMT), 产品检查和测试等, 提供优质的机器人解决方案, 确保所有任务均以高耐力、速度和精确度完成。