

42mm法兰外部驱动式滚珠直线步进电机

External Linear Actuator With Ball Screw – NEMA 17

Nema17一体式滚珠丝杠和电机，不带联轴器。提供具有不同电机高度和不同丝杠长度的版本；还提供用于位置反馈的内置编码器。

Nema17 integrated ball screw and motor without coupling. Versions with different motor heights and different screw lengths are available; built-in encoders for position feedback are also available.



◎ Feature

- Multiple specifications available 提供多种规格
- Longer life and higher accuracy 更长的寿命和更高的精度
- Different lengths available 提供不同长度
- A built-in encoder available. 提供内置编码器。
- Motor Controllers / Drives available 电机控制器/驱动器可用
- 0.0005mm/step with our controller 使用控制器时，0.0005mm /步

◎ VERSIONS

系列代码 Series models	42HS34	42HS48
相电流 Current per Winding A	1.5	1.5
静力矩 Holding Torque mN.m	260	430
相电阻 Resistance per Winding Ohm	1.56	2.0
相电感 Inductance per Winding mH	2.4	3.85
转子惯量 Rotor Inertia gcm ²	38	82
电机重量 Weight kg	0.12	0.18
电机高度 Length “L” mm	34	48
螺杆长度 Screw length*L1	Different lengths available不同丝杆长度可选	
反馈装置 Feedback	Encoder(Closed-loop version)编码器（闭环伺服版本可选）	

* 衍生品可以与我们沟通 Derivatives can communicate with us

订货代号 ORDER IDENTIFIER

17HS48-LExx-BG0802-E2000-P/B/X/C

LExx =Externally driven Screw length xx mm

LExx =外部驱动式电机，丝杆长度xx毫米

BG0802 = Screw code Diameter 8mm Lead 2mm

BG0802 = 滚珠丝杆 直径8毫米 导程2毫米

E2000=Encoder (Optional E500-2000/BE17/SE16)

E2000=编码器（可选增量500-2000CPR/17位多圈绝对/16位单圈绝对）

P/B/X/C= (P-Handwheel B-Brake X-Rear output
C-Customer Definition)

P/B/X/C= (P-手轮 B-刹车 X-后出轴 C-客户定义)

可选螺杆 Screw optional

Screw 丝杆代码	Diameter(MM) 直径	Lead(MM) 导程	Step(MM) 步长
G0802	08	2	0.01
G0805	08	5	0.025

*实际行程：L1-2-螺母宽度A

*length: L1-2-Nut(A)

可选配件 ACCESSORIES

- ZK-ENC-500 Encoder Cable 0.5m
- Encoder 高精度编码器
- Motor Controllers / Drives 电机驱动控制器

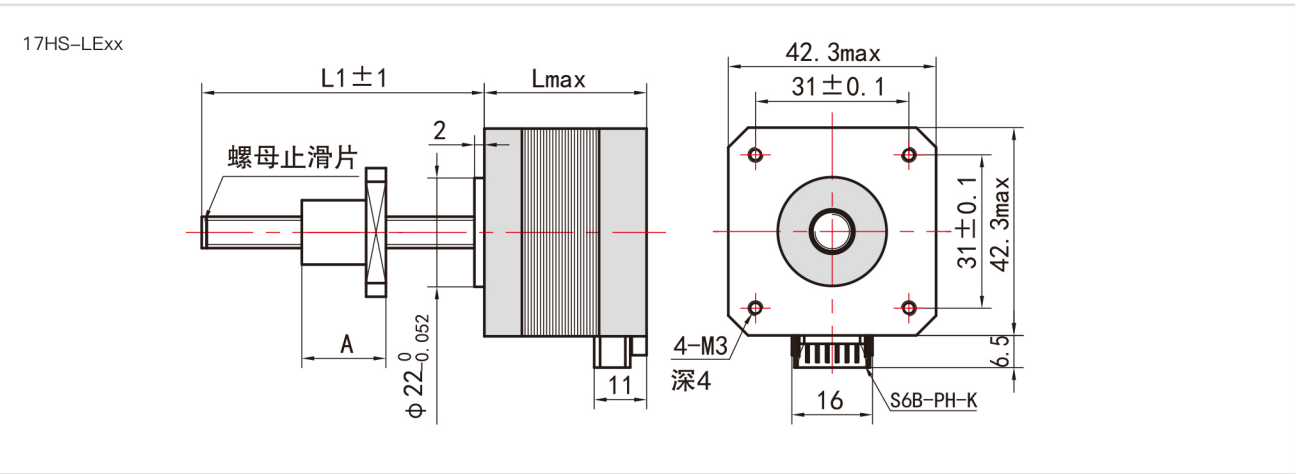
编码器/控制器 规格多样，具体信息请与我们联系。 Multiple encoders/Drives supported, please contact us.

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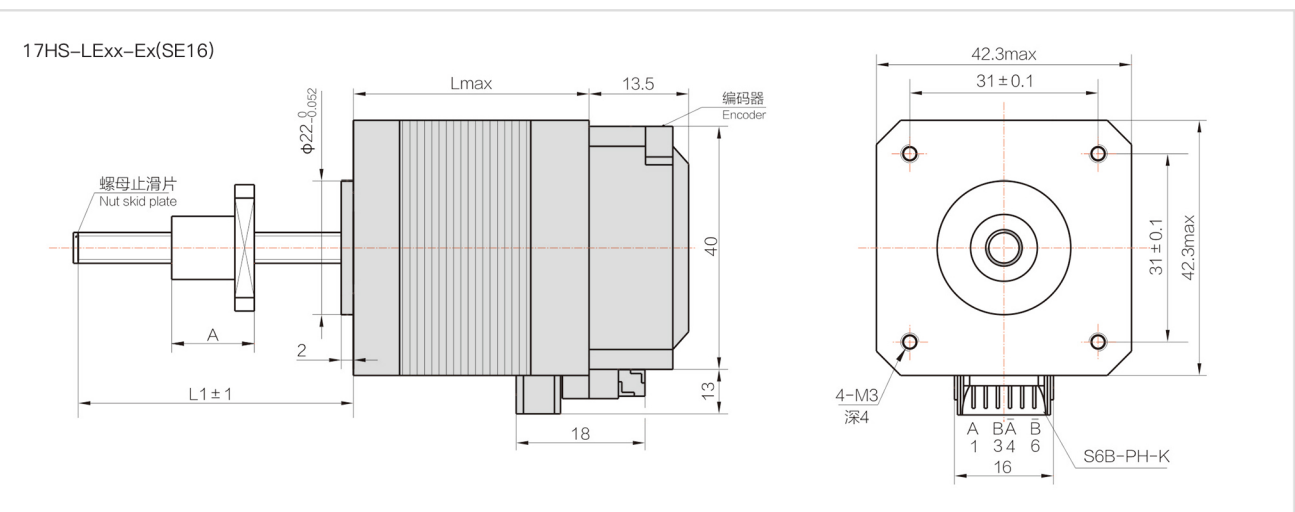
DIMENSIONS (IN MM)

*丝杆长度和端部加工（如轴承位）可按用户要求加工生产
*Screw rod length and end processing (such as bearing position) can be processed and produced according to user requirements

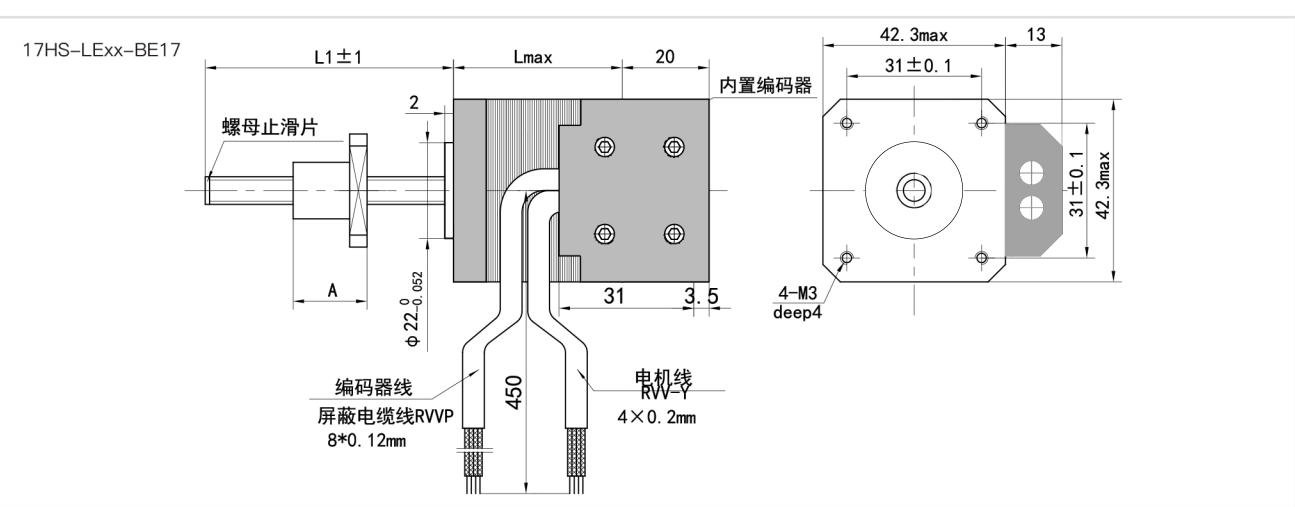


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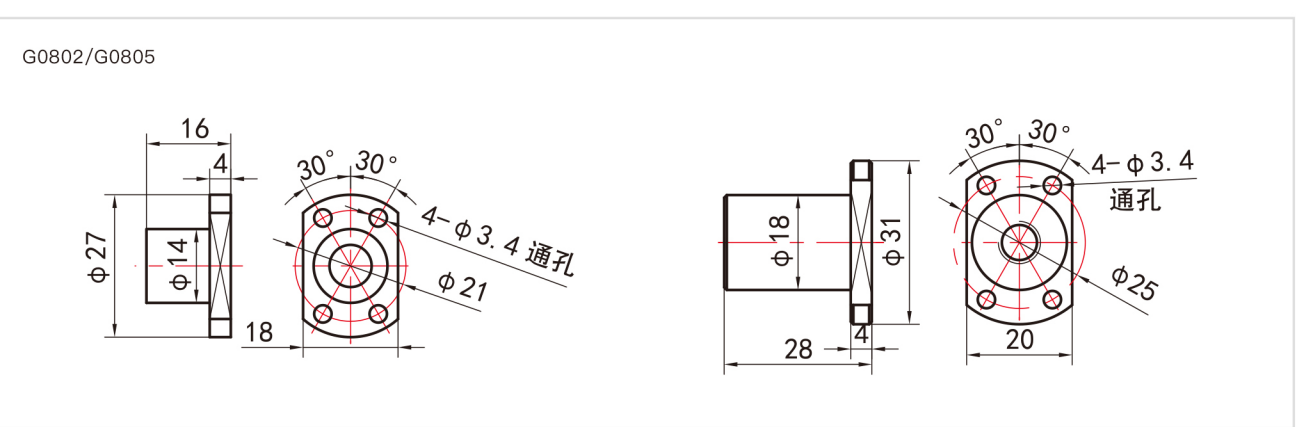
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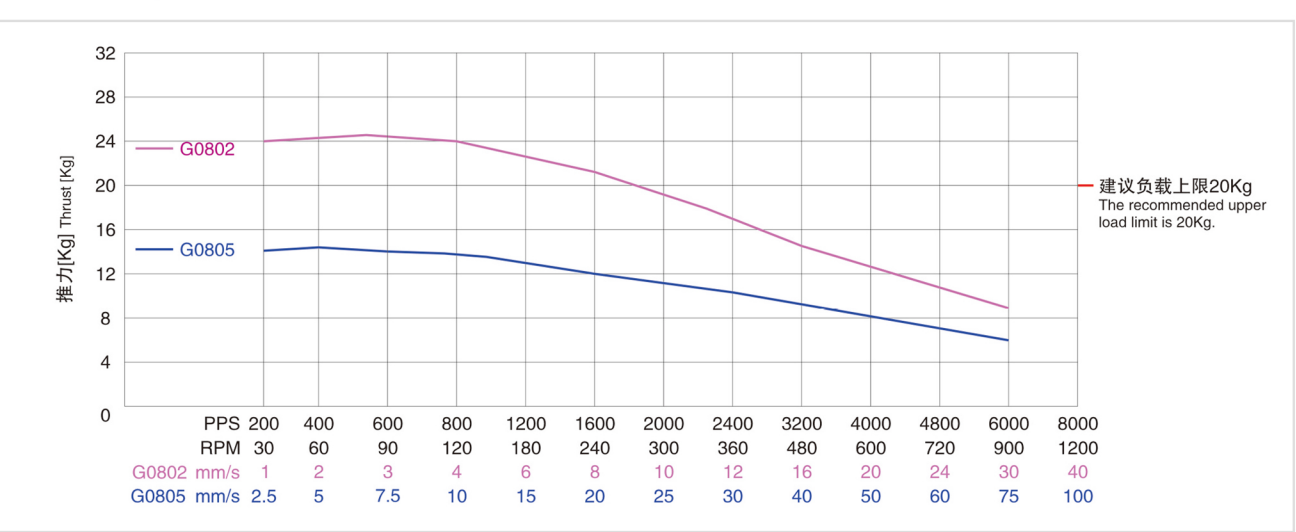
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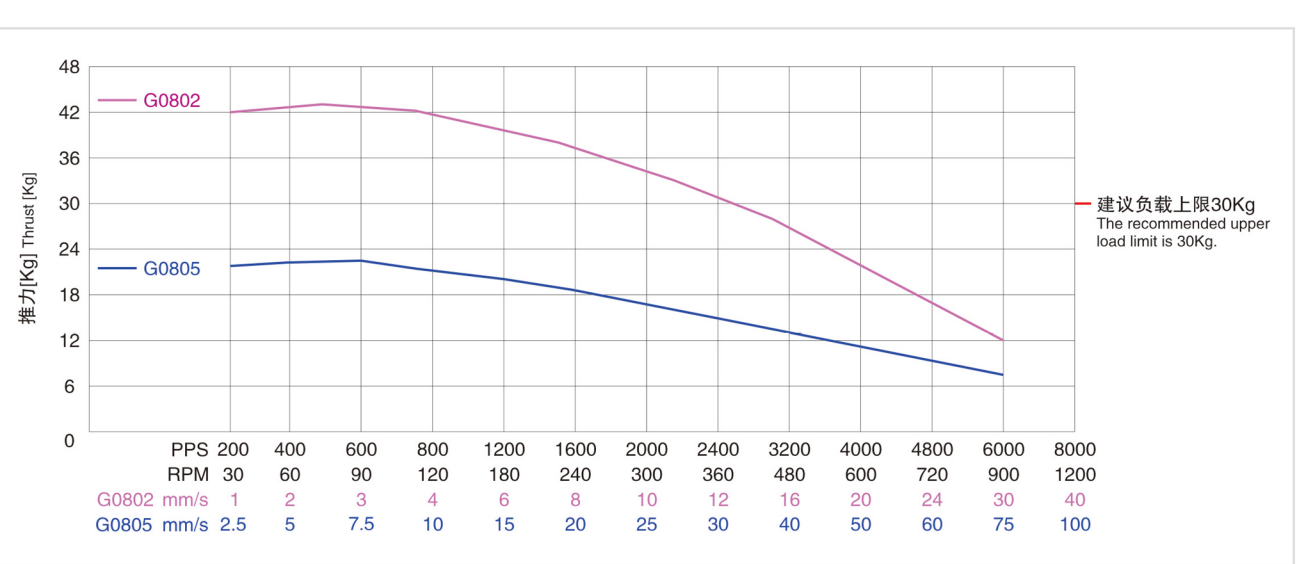


Force-Velocity Curve-17HS34



* 采用我们的驱动器，性能可以增强15%-20% By using our driver, performance can be improved by 15% to 20%

Force-Velocity Curve-17HS48



*Measured in the laboratory, safety margin must be greater than the above value 30% to 50%