

# Vérins électriques de précision T60

Precision Linear Actuators

[www.rosier.fr](http://www.rosier.fr)

## T60

Ball Screw Drive, Slide Guide



### Standard Features and Benefits

- Compact, robust and reliable
- High accuracy ball screw drive
- Stroke up to 1500 mm
- Load up to 10000 N
- Speed up to 2,5 m/s
- Hard chromed steel extension tube
- IP65 as standard
- Mounting accessories according to hydraulic cylinder standards available.

### General Specifications

Parameter	T60
Profile size (w × h) [mm]	75 × 60
Type of screw	ball screw with single nut
Protection class	IP65
Lubrication	One point lubrication of ballscrew
Included accessories	–

### Rod Idle Torque (M<sub>idle</sub>) [Nm]

Input speed [rpm]	Screw lead (p) [mm]			
	p = 5	p = 10	p = 25	p = 50
500	1,5	1,5	2	3,5

M<sub>idle</sub> = the input torque needed to move the rod with no load on it.

### Performance Specifications

Parameter		T60
Stroke length (S max), maximum	[mm]	1500
Linear speed, maximum	[m/s]	2,5
Acceleration, maximum	[m/s <sup>2</sup> ]	20
Repeatability	[± mm]	0,05
Input speed, maximum	[rpm]	
screw diameter/lead 25/10, 25/25		4000
screw diameter/lead 25/05, 25/50		3000
Operation temperature limits	[°C]	-20 – 70
Dynamic load (F <sub>x</sub> ), maximum	[N]	10000
Dynamic load (F <sub>y</sub> ), maximum	[N]	100
Dynamic load (F <sub>z</sub> ), maximum	[N]	100
Dynamic load torque (M <sub>z</sub> , M <sub>y</sub> ), max.	[Nm]	50
Drive shaft force (F <sub>rd</sub> ), maximum	[N]	1000
Drive shaft torque (M <sub>ta</sub> ), maximum	[Nm]	48
Screw versions, diameter (d <sub>0</sub> ) / lead (p)	[mm]	25/05, 25/10, 25/25, 25/50
Weight of units of unit with zero stroke of every 100 mm of stroke	[kg]	5,20 0,95

<sup>1</sup> Value for the complete unit

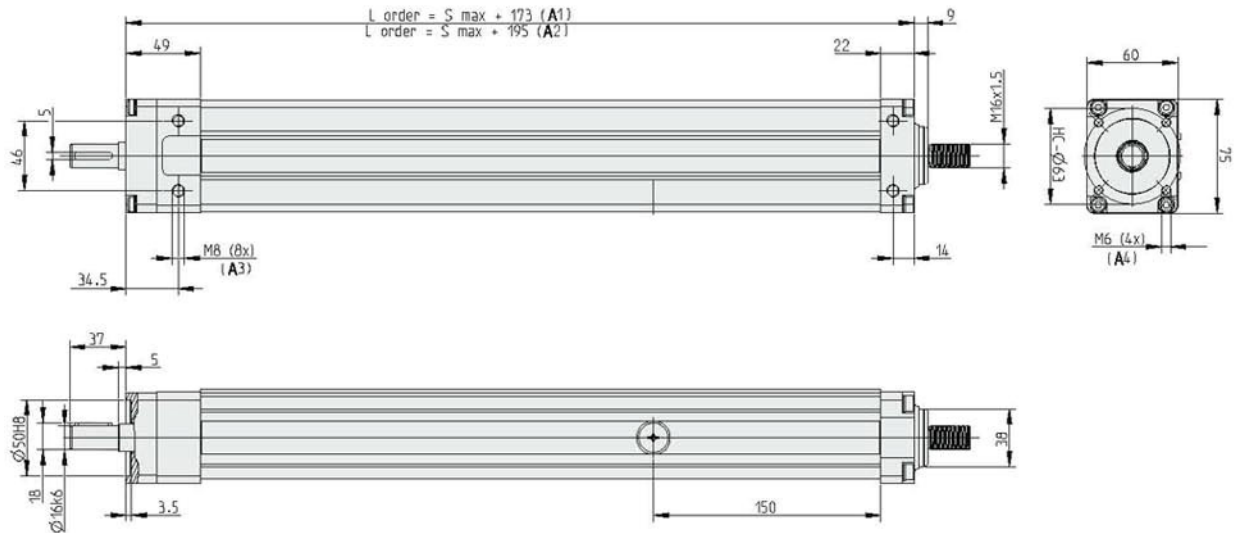
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- A1: screw 25/05 and 25/25
- A2: screw 25/10 and 25/50
- A3: depth 10
- A4: depth 20



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