



T60 - Precision Linear Actuator

 THOMSON™
Linear Motion. Optimized.

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 3 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_{idle}) [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_{idle} = the input torque needed to move the rod with no load on it.

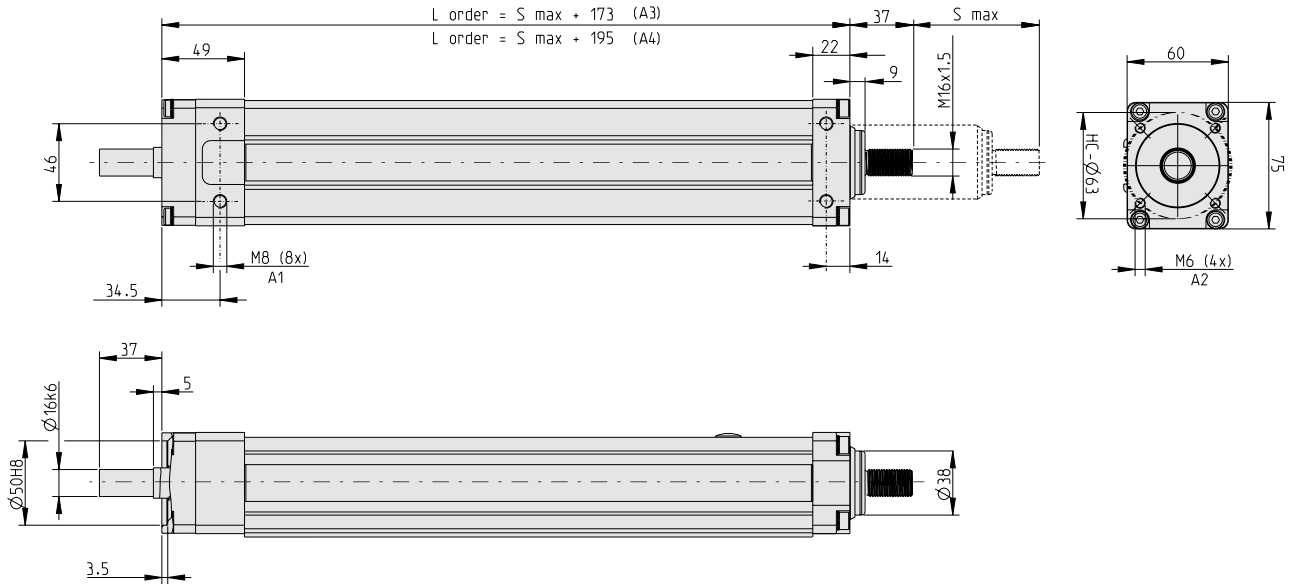
Performance Specifications

Parameter		T60
Stroke length (S max), maximum	[mm]	1500
Linear speed, maximum	[m/s]	3,0
Acceleration, maximum	[m/s ²]	8
Repeatability	[± mm]	0,05
Input speed, maximum	[rpm]	3000
Operation temperature limits	[°C]	-20 – 70
Dynamic load (F _x), maximum	[N]	10000
Dynamic load (F _y), maximum	[N]	100
Dynamic load (F _z), maximum	[N]	100
Dynamic load torque (M _z , M _y), max.	[Nm]	30
Drive shaft force (F _{rd}), maximum	[N]	500
Drive shaft torque (M _{ta}), maximum	[Nm]	48
Screw versions, diameter (d ₀) / lead (p)	[mm]	25/05, 25/10, 25/25, 25/50
Weight of units	[kg]	
of unit with zero stroke		4,60
of every 100 mm of stroke		0,95
of the rod with zero stroke		0,40
of every 100 mm of rod		0,35

¹ Value for the complete unit

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

T60 Ordering Key					
1	2	3	4	5	6
T06-B	2520	M	N	045	
1. Model T06-B = T60 unit			4. Type of adapter N = M16 × 1,5 outside thread		
2. Ball screw diameter, lead and tolerance class 2505 = 25 mm, 05 mm, T7 2510 = 25 mm, 10 mm, T7 2525 = 25 mm, 25 mm, T7 2550 = 25 mm, 50 mm, T7			5. Ordering length (L order) ••• = distance in cm		
3. Engineering unit M = metric			6. Protection option¹ +S1 = wash down protection		
¹ Leave blank if no protection option required.					

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