

TD, TDE

The safe way to close doors

Adjustable

Energy capacity 75 Nm/Cycle to 165 Nm/Cycle

Stroke 50 mm to 120 mm

Safety for individuals, doors and frames: whether acting single-sided or double-sided, ACE TD-28 and TDE-28 dampers securely prevent doors of all types and many weight classes from slamming shut. This is because the energy for stroke lengths between 50 mm and 120 mm is absorbed so reliably, that people and their possessions are protected.

The desired attenuation force is set manually; as a result, this door damper can absorb energy between 75 Nm and 190 Nm/stroke. Impact masses of 150 kg up to 7,000 kg can be overcome depending on which type. ACE door dampers are manufactured to be high quality and durable with hard chrome-plated piston rod and galvanised steel cylinder tubes.

Practical and safe, these door dampers are suitable for manual or automatically operated hinged and sliding doors, as is often seen in the elevator and furniture industries, as well as in building technology.



Technical Data

Outer body diameter: Ø 28 mm

Piston rod diameter: Ø 8 mm

Free travel: TDE: marginal

Operating temperature range: -20 °C to 80 °C

Adjustment: Pull the piston rod fully out and turn the knurled rod end button. The internal toothed adjustment allows the damping to be separately adjusted for each side. As a result of the adjustment mechanism the overall length L can be increased by up to 4 mm.

Material: Outer body: Zinc plated steel; Piston rod: Hard chrome plated steel

Impact velocity range: 0.1 m/s to 2 m/s

Strokes per minute: max. 10

Application field: Lift doors, Automatic doors, Doors

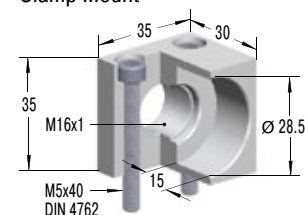
Note: ACE door dampers are single ended or double ended adjustable hydraulic shock absorbers.

On request: Special oils, other special options and special accessories are available on request.

TD-28



MB-16 Clamp Mount



Model Type Prefix

F: Automatic return with return spring

D: Without return spring. When one piston is pushed in, the piston rod at the other end is pushed out (thus the damper must be impacted from alternate ends to sequence correctly).

Ordering Example

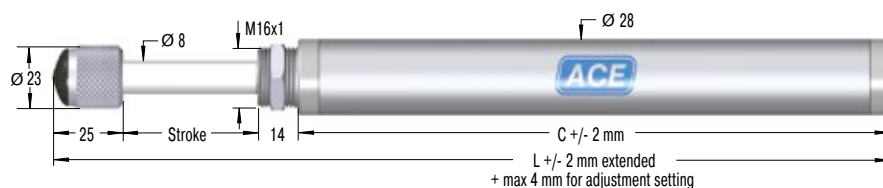
Type (Door Damper) **TD-28-50-50**
 Body Ø (28 mm)
 Stroke A (50 mm)
 Stroke B (50 mm)

Performance and Dimensions

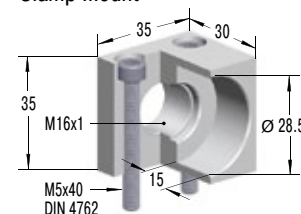
TYPES	Energy capacity Nm/cycle	Reacting Force N	Impact Mass max. kg	Stroke A mm	Stroke B mm	C mm	L extended mm	Return Force max. N	¹ Return Type
TD-28-50-50-F	75	1,550	150	50	50	220	402	30	F
TD-28-70-70-F	70	1,500	200	70	70	260	482	30	F
TD-28-100-100-F	80	1,500	250	100	100	220	502	40	F
TD-28-120-120-D	165	3,800	250	120	120	208	417	-	D

¹ Standard model. Other models available on request.

TDE-28



MB-16 Clamp Mount



Ordering Example

Type (Door Damper) **TDE-28-50**
 Body Ø (28 mm)
 Stroke (50 mm)

Performance and Dimensions

TYPES	Energy capacity Nm/cycle	Reacting Force N	Impact Mass max. kg	Stroke mm	C mm	L extended mm	Return Force max. N
TDE-28-50	80	2,400	4,000	50	130	219	30
TDE-28-70	112	2,400	5,600	70	158	267	30
TDE-28-100	160	2,400	8,000	100	193	332	30
TDE-28-120	190	2,400	7,000	120	214	371	40