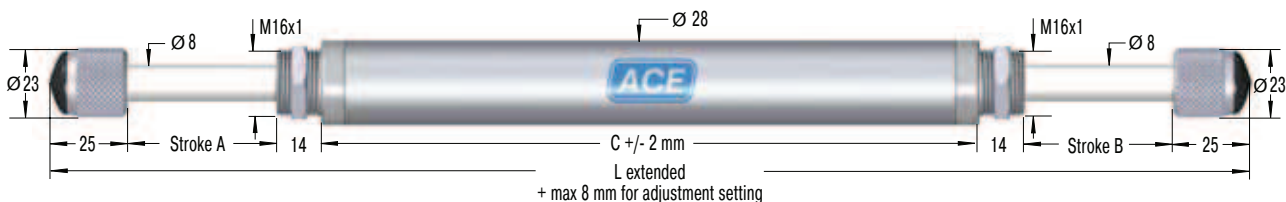


### Standard Dimensions TD-28



#### Ordering Example

Type (Door Damper) \_\_\_\_\_  
 Body Ø (28 mm) \_\_\_\_\_  
 Stroke A (50 mm) \_\_\_\_\_  
 Stroke B (50 mm) \_\_\_\_\_

**TD-28-50-50**

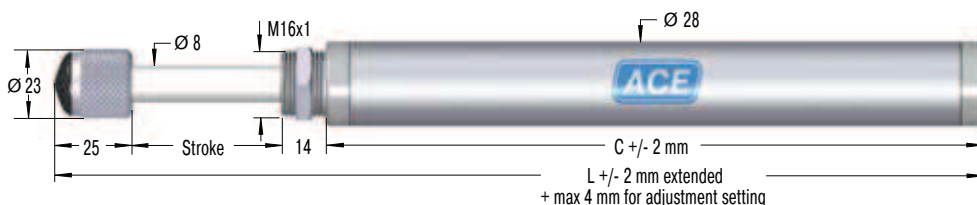
#### Return Type

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).

#### Dimensions and Capacity Chart

Type	Stroke A mm	Stroke B mm	C	L max	Max. Impact Mass kg	Max. Damping Force Q N	Max. Energy Capacity		Max. Return Force N	Return Type
							$W_3$ Nm/Cycle			
TD-28-50-50	50	50	220	402	150	1 550	75		30	F
TD-28-70-70	70	70	260	482	200	1 500	70		30	F
TD-28-100-100	100	100	220	502	250	1 500	80		40	F
TD-28-120-120	120	120	208	410	250	3 800	165		0	D

### Standard Dimensions TDE-28



#### Ordering Example

Type (Door Damper) \_\_\_\_\_  
 Body Ø (28 mm) \_\_\_\_\_  
 Stroke (50 mm) \_\_\_\_\_

**TDE-28-50**

#### Technical Data

**On request:** With different deceleration characteristics, special stroke lengths, special seals etc.

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

**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:** Piston rod: Hard chrome plated steel. Cylinder body: Zinc plated steel.

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

**Function:** ACE door dampers are single ended or double ended adjustable hydraulic shock absorbers used for the cushioning of elevator doors, automatic and sliding doors and similar applications.

**Strokes per minute:** max. 10

#### Dimensions and Capacity Chart

Type	Stroke mm	C	L max	Max. Impact Mass kg	Max. Damping Force Q N	Max. Energy Capacity		Max. Return Force N
						$W_3$ Nm/Cycle		
TDE-28-50	50	130	221	4 000	2 400	80		30
TDE-28-70	70	158	269	5 600	2 400	112		30
TDE-28-100	100	193	333	8 000	2 400	160		30
TDE-28-120	120	214	373	7 000	2 400	190		40