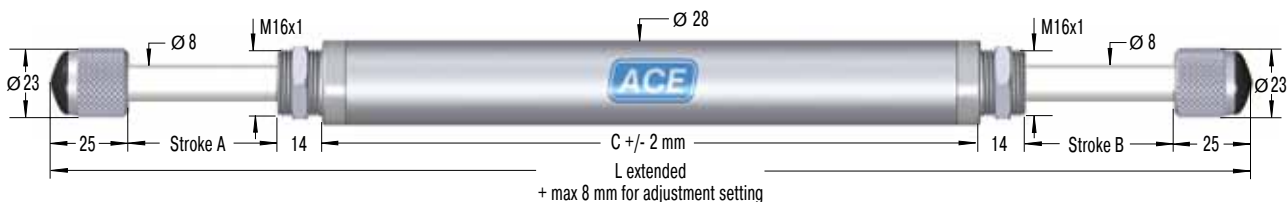
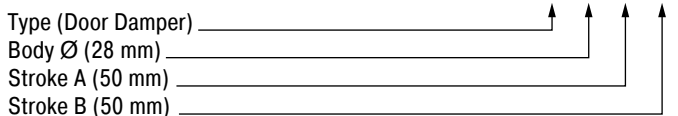


Standard Dimensions TD-28



Ordering Example



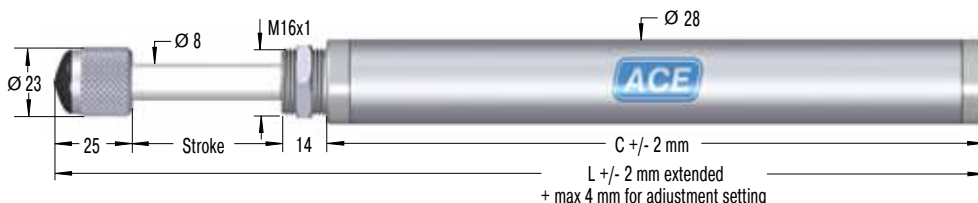
Return Type

- 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).

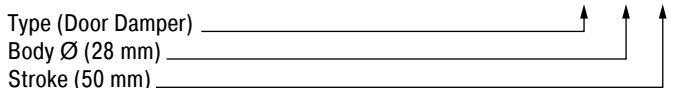
Dimensions and Capacity Chart

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



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



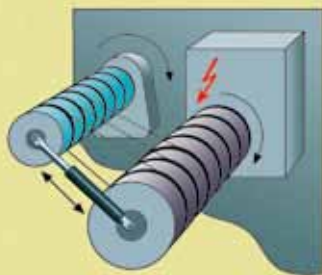
Swinging movements cushioned by hydraulic dampers

Passengers always feel the swinging movement involved when cable cars arrive at the ski station.

Maintenance-free **hydraulic dampers** type **HB-40-300-EE-X-P** cushion these movements perfectly. Designers of the cable cars, connected by means of an articulated joint via a four-point frame and connection guide to the suspension rod, profit from the ability of the adjustable dampers to absorb compressive forces of up to 10 000 N on either side.



Hydraulic dampers for added convenience when operating cable cars



Precise unreeling

Hydraulic dampers bring the sled movement of this textile machine to a gentle stop.

At the turning point of 130 kg reeling spools, a sled should move up and down smoothly without causing a collision at the end of stroke position. The solution was provided by the hydraulic damper **DVC-32-100EU**. A self-contained sealed unit, ready to install and maintenance-free these units are ideal for precise control of speeds in both directions of travel. The travel speed is maintained throughout the entire stroke and can be independently adjusted in each direction of travel. Thanks to their compact design and wide choice of mounting accessories, these dampers could be easily integrated into this machine.



Textile machine unreels threads even better