

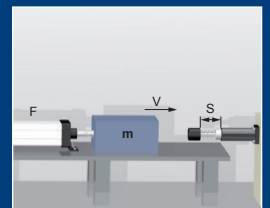
## Door Dampers

WM-ZE

WM-ZE-M



2D / 3D CAD  
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## Benefits

### **Deceleration Characteristic:**

- adjustable

### **Mounting:**

- Installation position: any

### **Surface protection:**

- Housing: Zinc Plated

### **Design:**

- Flexibility relating to Stroke, Deceleration Characteristic

### **Temperature:**

- Standard: -20°C - +80°C
- Lowtemperature: -50°C-...+60°C
- Hightemperature: 0°C-...+120°C

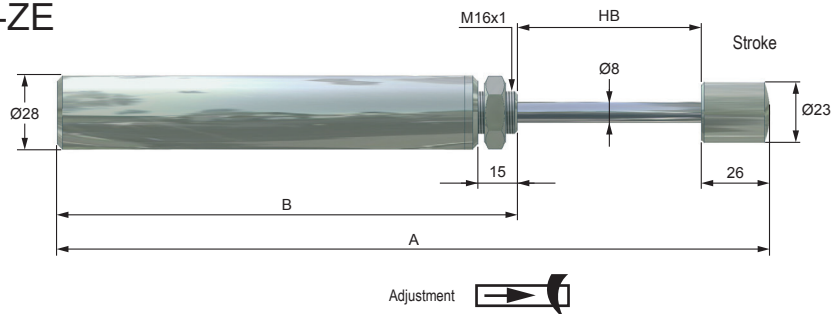
### **RoHS - conform:**

- Directive 2002/95/EC

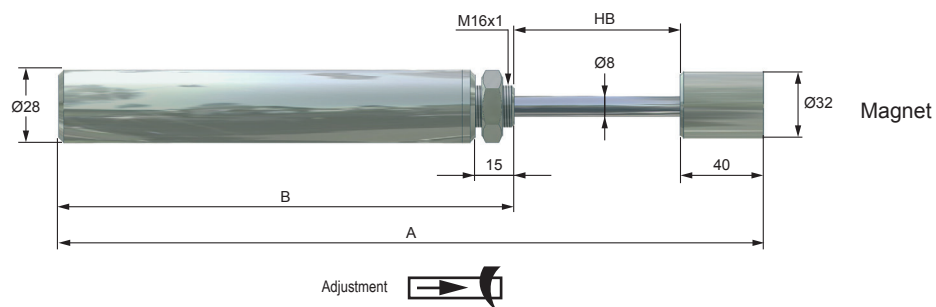
### **Extended Life Time:**

- Special Seals + Oils
- Piston rod hard-chrome plated

## WM-ZE

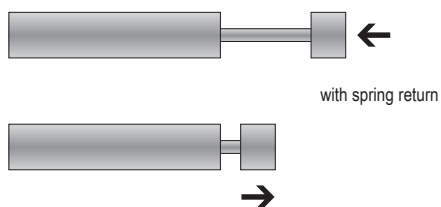


## WM-ZE-M

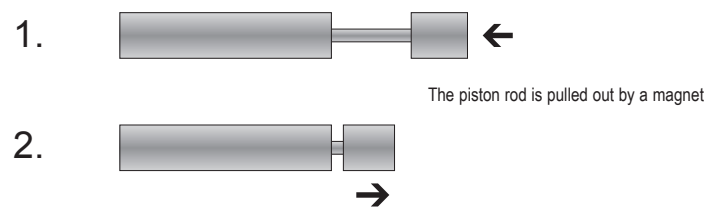


## OPERATING PRINCIPLE

### WM-ZE



### WM-ZE-M

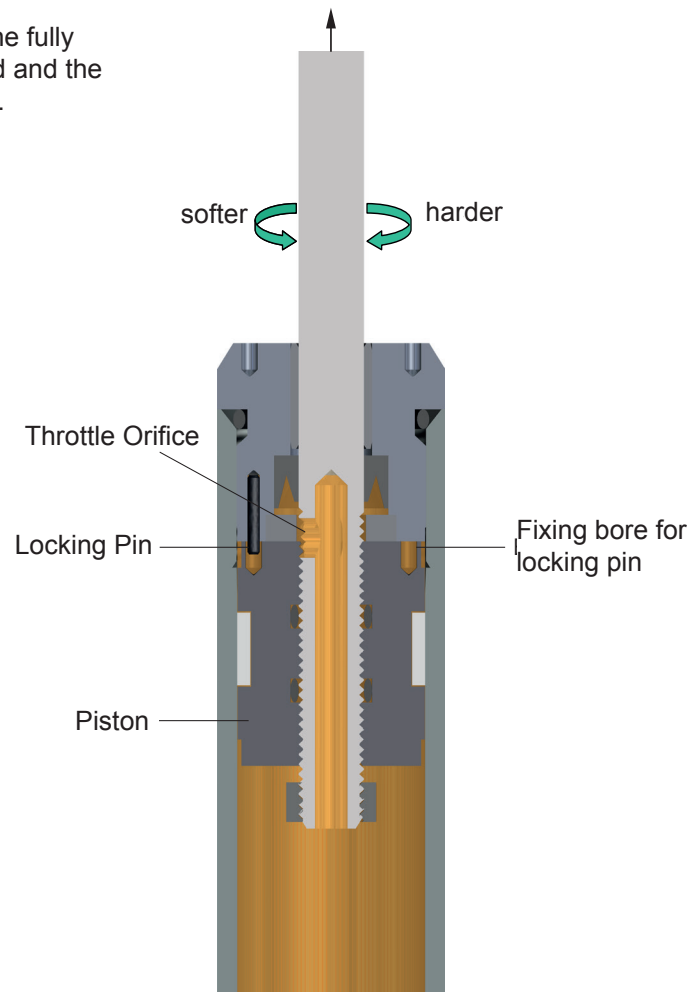


## PERFORMANCE

	Stroke	Energy absorption	Return spring force	Impact speed	A	B	Weight
	mm	Nm/HB	N	m/s	mm	mm	g
WM-ZE 2-050	50	150	35	0,1 - 4	201	125	500
WM-ZE 2-070	70	200	35	0,1 - 4	271	175	600
WM-ZE 2-100	100	250	40	0,1 - 4	351	225	700
WM-ZE 2-120	120	300	40	0,1 - 4	371	225	700
WM-ZE-M 2-050	50	150	0	0,1 - 4	215	125	500
WM-ZE-M 2-070	70	200	0	0,1 - 4	285	175	600
WM-ZE-M 2-100	100	250	0	0,1 - 4	365	225	700
WM-ZE-M 2-120	120	300	0	0,1 - 4	385	225	700

## Adjustment

1. To adjust the damping force, pull the piston rod out to the fully extended position. The locking pin can now be engaged and the throttle orifice can be adjusted by turning the piston rod.
2. Damping:  
Turn clockwise - harder deceleration  
Turn anti-clockwise - softer deceleration



## General Information

Door Dampers may under no circumstances be welded, painted or provided with clamps. The products must be protected against contamination, fluids and air pressure. We offer special solutions for these applications. Door Dampers should be assembled only with the fixture indicated in the catalogue.

When Door Dampers are used parallel the size of the model and the used degree of hardness / used adjustment has to be the same. The load has to be distributed equally. Upon the occurrence of vibrations and oscillation a written release by Weforma is required.

If the absorption should be insufficient, please contact Weforma or the respective representation.

You will find further technical informations to the series on the following pages and in our catalogue.

Position of installation: WM-ZE and WM-ZE-M any position.

A fixed stop must be set in the end positions 1 - 1,5 mm before the end of the stroke.

As a result of the adjustment, the total length can change up to 8 mm.

Door Dampers of the WM-ZE and WM-ZE-M series can only be used alternating.

Do not drive in the final position under full load.

