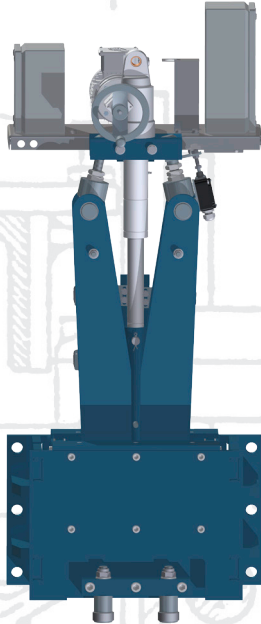


**Rail clamps**  
electric ZWVE

Industrial Brakes · Thrusters · Pressure Oil Pumps · Couplings · Hydraulic Buffers · Cellular Buffers  
Rail Pliers · Sheaves · Hook Blocks · Crane Rail Wheels · Rail Clamps · Repair · Service



### Functional Principle

- ➔ electromotive locking and opening
- ➔ indicator for preclamping
- ➔ optional limit switches monitor shows clamp position "closed" or "opened"
- ➔ in case of power failure the position of the clamp remains unchanged

### Design

- ➔ flange mounting to the front of the rail vehicle by screws
- ➔ assembly of buffers possible
- ➔ optional floating housing for the horizontal movement within the wheel flange clearance to recommend ZWVM/ ZWVE-SG

### Technical Data

product	holding force kN		activity input W	charging time A	man. time s	weight kg
	$\mu = 0.25$	$\mu = 0.4$				
ZWVE-1 32	20	32	250	0.8	11	120
ZWVE-2 63	40	63	370	1.2	16	235
ZWVE-3 100	62	100	370	1.2	16	340

### Special Features

- ➔ clamp shoes are lifted above the top of the rail when the clamp is opened, therefore no danger of collision
- ➔ assembly of buffers of all types is possible, fastening devices for the buffers are provided for each individual order
- ➔ stainless steel bolts and lined bearings increase operational safety and lifetime
- ➔ disk spring package to maintain holding force
- ➔ clamp designed to fit many rail profiles
- ➔ horizontal movement  $\pm 7$  mm with floating housing  $\pm 25$  mm

