

**Rail clamps**  
mechanical ZWVM

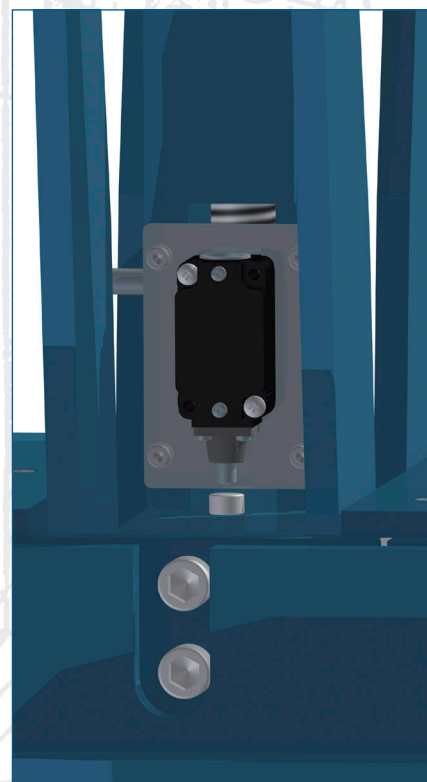
Industrial Brakes · Thrusters · Pressure Oil Pumps · Couplings · Hydraulic Buffers · Cellular Buffers  
Rail Pliers · Sheaves · Hook Blocks · Crane Rail Wheels · Rail Clamps · Repair · Service

### Functional Principle

- ➔ manual locking and opening
- ➔ indicator for preclamping
- ➔ optional limit switches monitor shows clamp position »closed« or »opened«
- ➔ clamp shoes are lifted above the top of the rail when the clamp is opened, therefore no danger of collision
- ➔ stainless steel bolts and lined bearings increase operational safety and lifetime

### Design

- ➔ flange mounting to the front of the rail vehicle by screws
- ➔ assembly of buffers of all types is possible, fastening devices for the buffers are provided for each individual order
- ➔ optional floating housing for the horizontal movement within the wheel flange clearance to recommend ZWVM/ZWVE-SG
- ➔ 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
- ➔ standard painting - 2K paint RAL 5009 blue  $80\mu$



### Special Features

product	holding force		weight
	$\mu = 0.25$	$\mu = 0.4$	
ZWVM-1 32	20	32	120
ZWVM-2 63	40	63	235
ZWVM-3100	62	100	340