

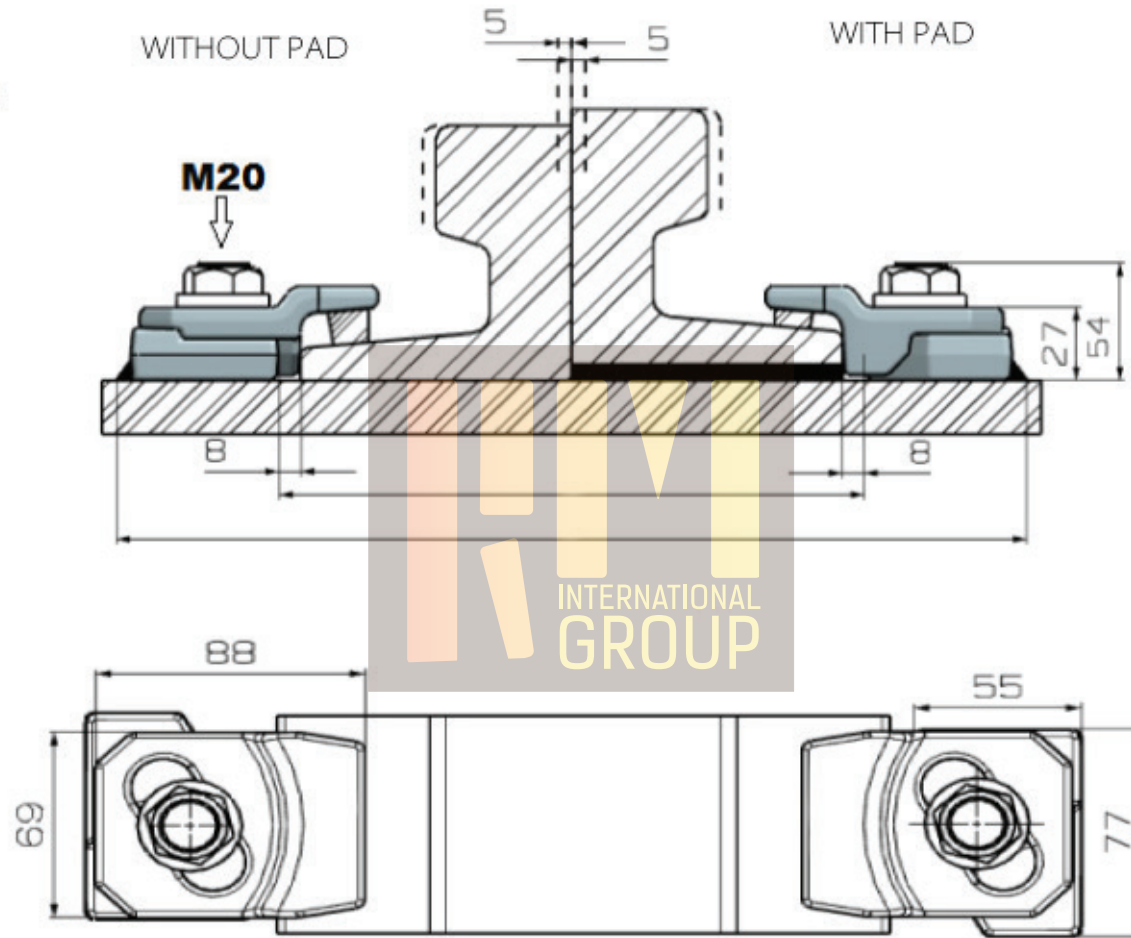
# RM 002 WELDED RAIL CLIPS

## TECHNICAL SPECIFICATIONS

Max side load 140 kN  
Lateral adjustment  $\pm 10$  mm  
Bolt M20 class 8,8  
Torque tightening 175 Nm  
Steel Quality St52-3

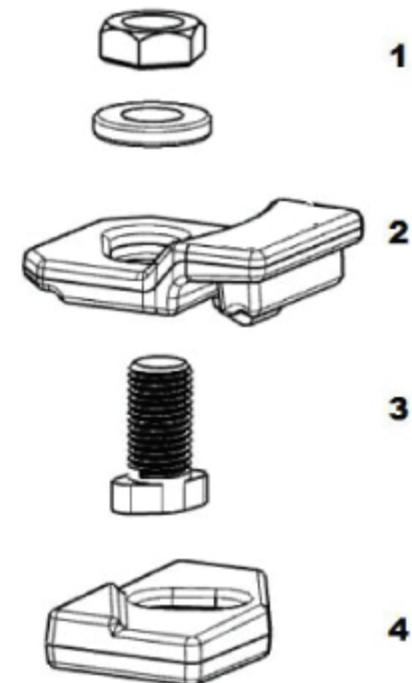
## SPECIFICATIONS

Shore	75 $\pm$ 5
Maximum Tensile Strength	12,7 N / mm <sup>2</sup>
Elongation	255% (200% after aging)
Working Temperature	-30° - +110 C°
Vibration Reduction	45% - 50%
Noise Reduction (dbA)	12%
Permanent Set	<5% (<20%)



## APPLICATIONS

The fastening system RM 002 for indirect fixing has been studied specifically for crane rail but it can be used with good results also with train rails. It is a very rugged, reliable fastening system of contained dimensions. It can be used with any type of crane independently of the driving system.



CLIPS NO.	TORQUE TIGHTENING	SIDE LOAD	WEIGHT KG
RM 002	175 Nm	140 kN	1,030
RM 002 P			1,010

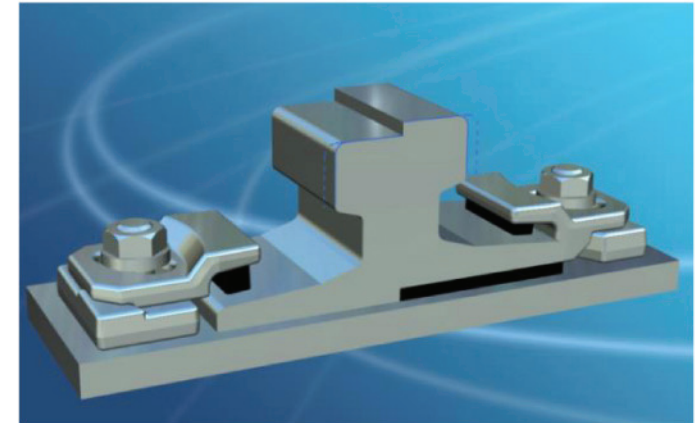
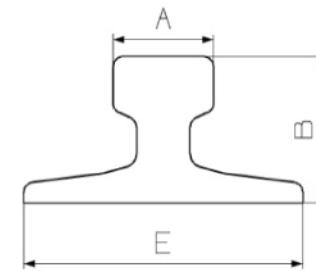
1. Flange nut M20
2. Upper clip with rubber nose
3. Special screw M20
4. Weldable lower clip

# RM RAIL FASTENING SYSTEMS

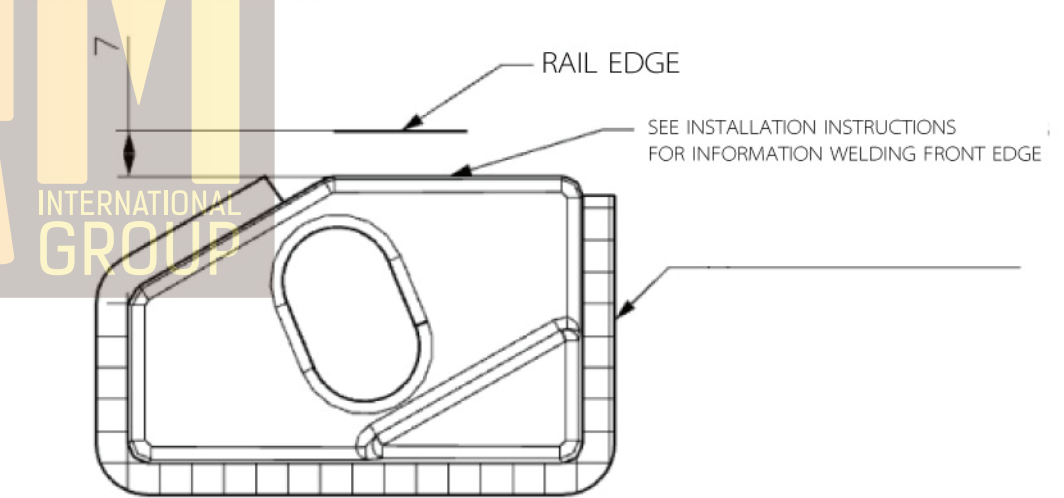
RM 002  
WELDED RAIL CLIPS

Clip can be with more type of rails than those listed.

RAIL TYPE	A	B	E	WEIGHT KG/M	WITHOUT PAD	WITH PAD
A65	65	75	1755	43,1	002	002 P
A75	75	85	200	56,2	002	002 P
A100	100	95	200	74,3	002	002 P
A120	120	105	220	100	002	002 P
A150	150	150	220	150,3	002	002 P
CR 104	63,5	127	127	51,59	002	002 P
CR 105	65,1	131,8	131,8	52,09	002	002 P
CR 135	76,2	146	131,8	66,97	002	002 P
CR 171	101,6	152,4	152,4	84,83	002	002 P
MRS 87 A	101,6	152,4	152,4	86,8	002	002 P
CR 175	102,4	152,4	152,4	86,8	002	002 P
MRS 125	120	180	180	125	002	002 P
46 E4	65	145	135	46,9	002	002 P
49 E1	67	149	125	49,39	002	002 P
50 ES	67	148	135	49,9	002	002 P
54 E1	70	159	140	54,77	002	002 P
60 E1	72	172	150	60,21	002	002 P



## WELDING DETAILS



## FEATURES

Main features:

- \* Elastic fastening of rails with or without pad;
- \* System made up of two interacting elements which allow an easy lateral adjustment of the rail;
- \* The two parts of the clip are locked together with a bolt and flanged nut;
- \* The elastomer nose increases the tolerances of the rail-support structure, reduces the stress of the connections, allows a better fixing of the rail;
- \* Welding of the lower part of the clip to the rail support without access difficulties;
- \* The fastening system has been used for years throughout the world in the most demanding conditions with great success.

## INSTALLATION INSTRUCTIONS:

Weld all round the clip base, except the side closest and parallel to the rail, with a 4mm throat thickness fillet weld, using low hydrogen electrodes. Recommended electrodes AWS E7018 or E7028. Clip base is made from weldable grade steel.