

RM 004 Fastening system

The RM 004 fastening system for guiding rails has been specially designed and analyzed for crane rails. It can also be successfully used for railway tracks. It is very strong, reliable, and has compact dimensions. It can be used for the construction of tracks of any type, regardless of the size of wheel sets and the type of drive.

TECHNICAL DATA:

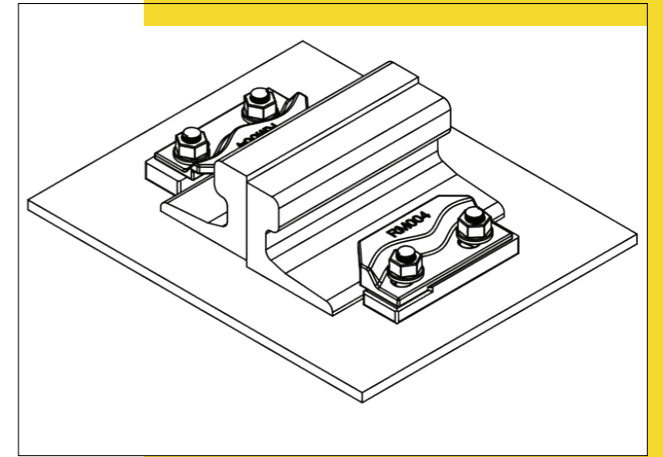
Max side load 125 kN

Lateral adjustment 8 mm

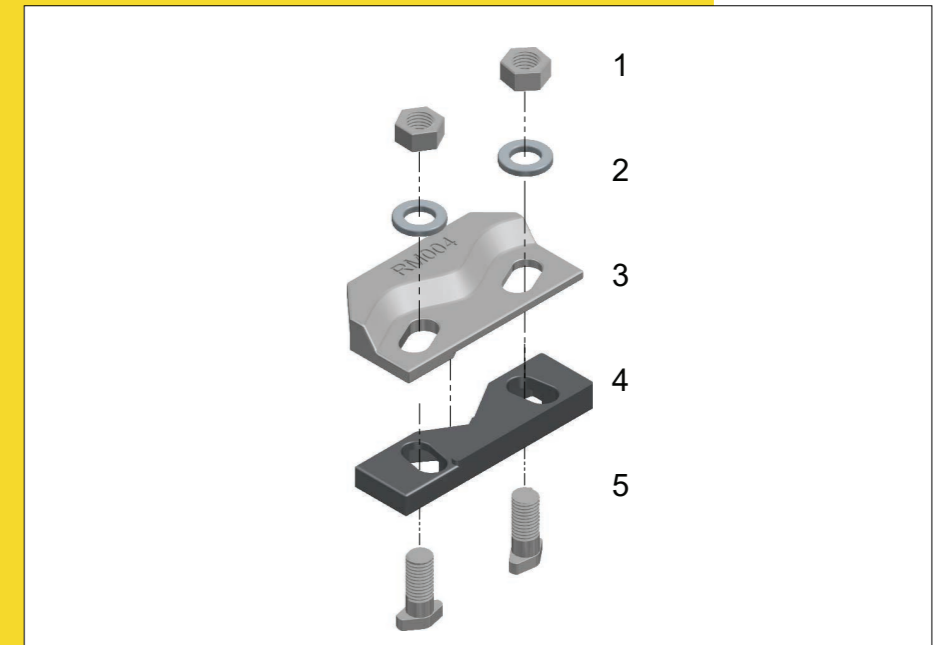
Bolt M16 cl 8,8

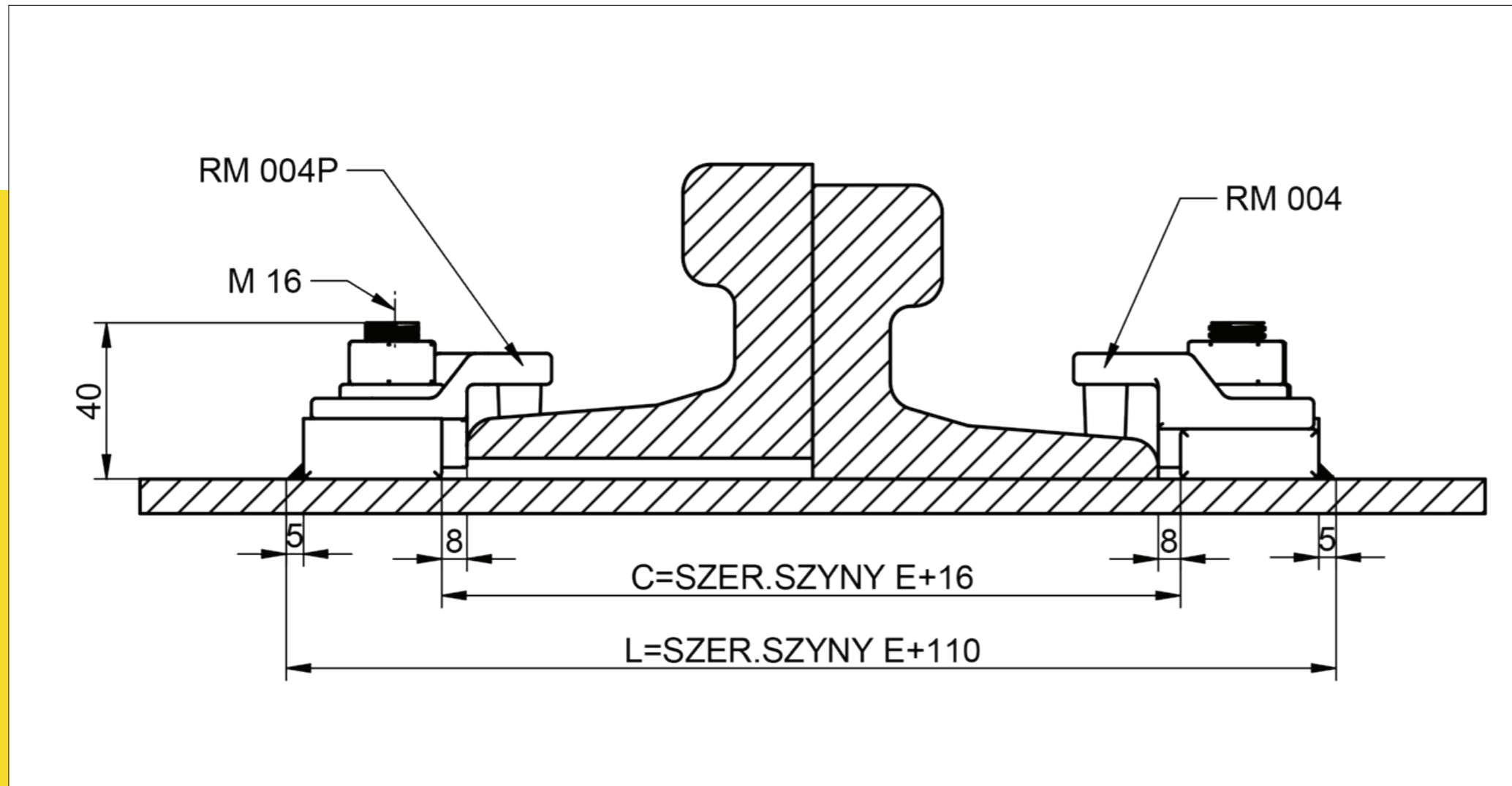
Tightening torque 175 Nm

Steel grade St52-3



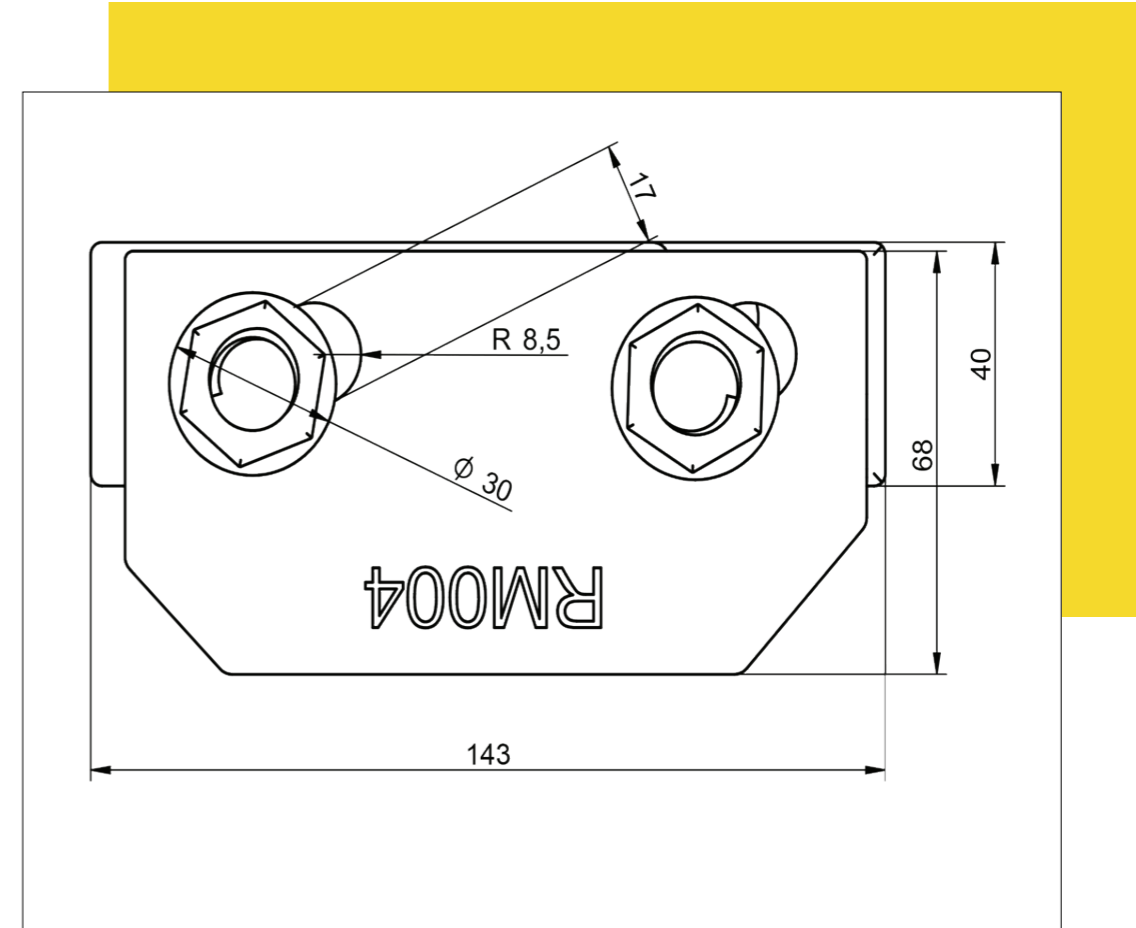
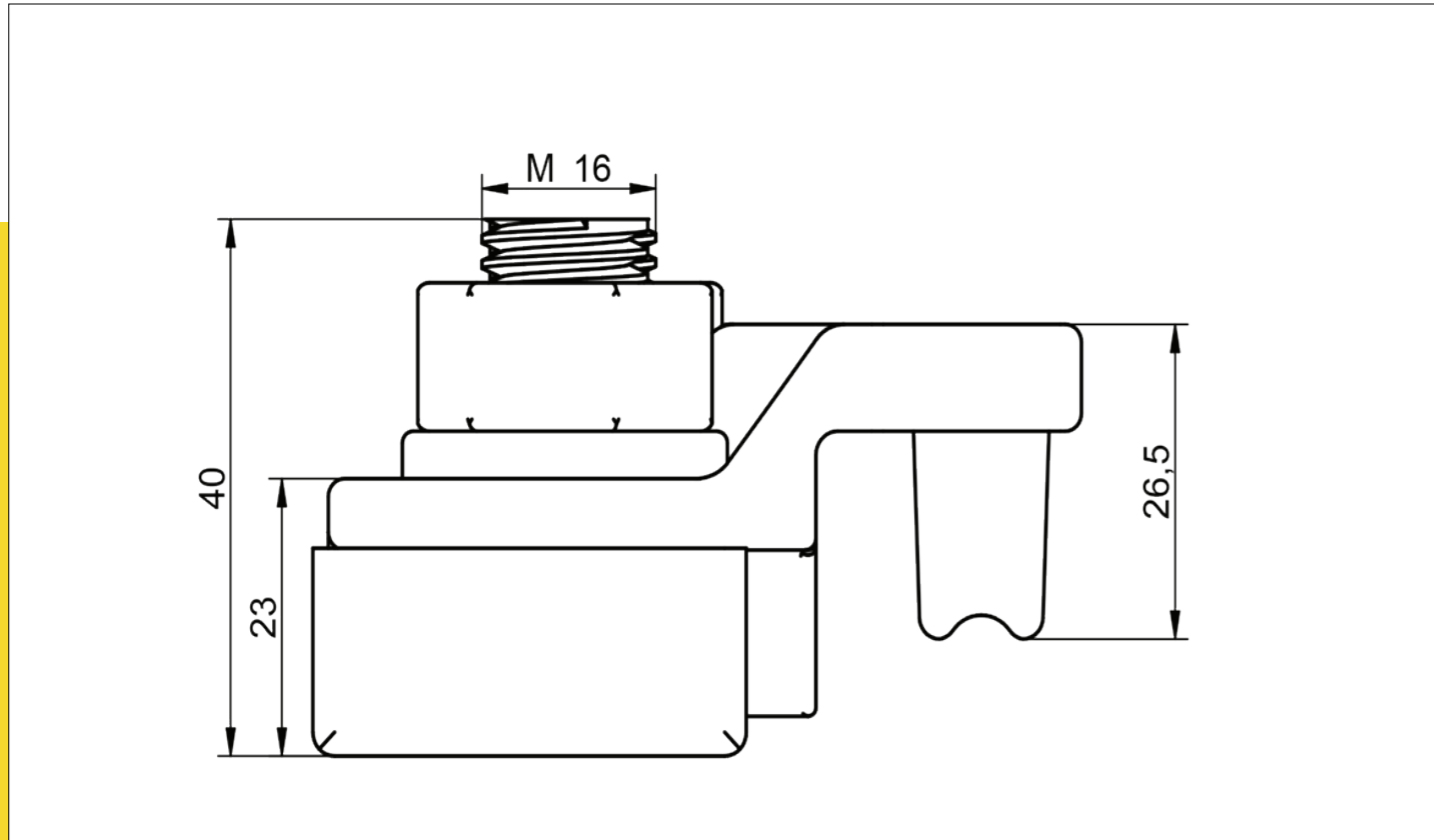
- 1 Nut M16 DIN 934
- 2 Washer M16 DIN 7889
- 3 Upper element of the mount with elastomeric attachment:
 short – used in conjunction with a flexible rubber pad
 long – without a rubber pad
- 4 Special bolt M16
- 5 Lower element to be welded





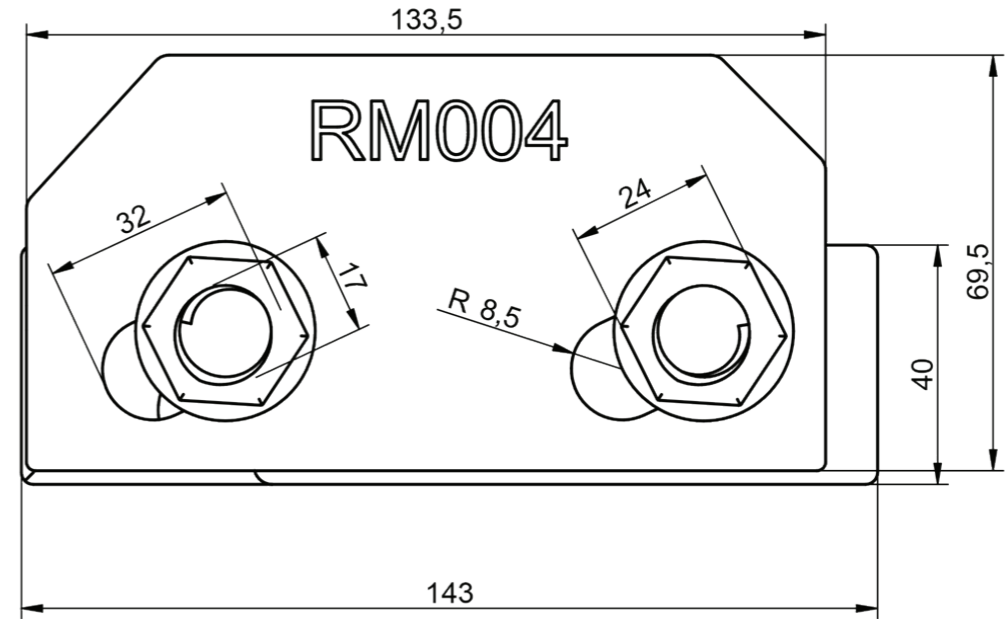
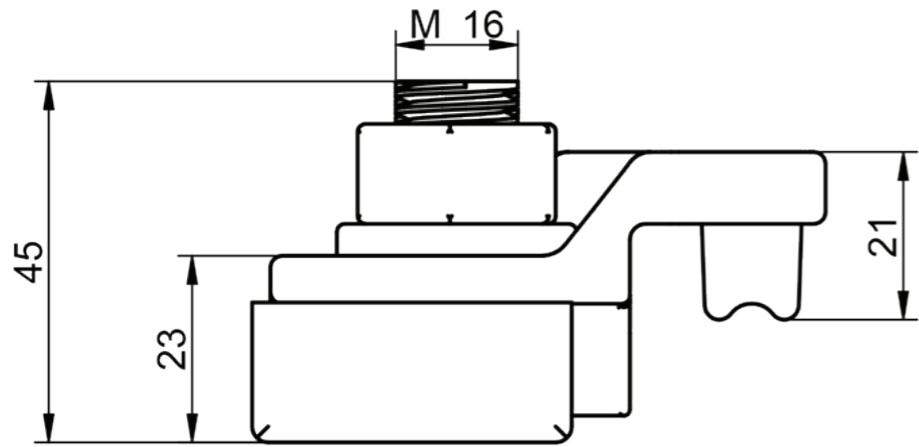
Clip installation

RM004 / RM004P



RM004 – clip with long attachment,
Used without the flexible pad

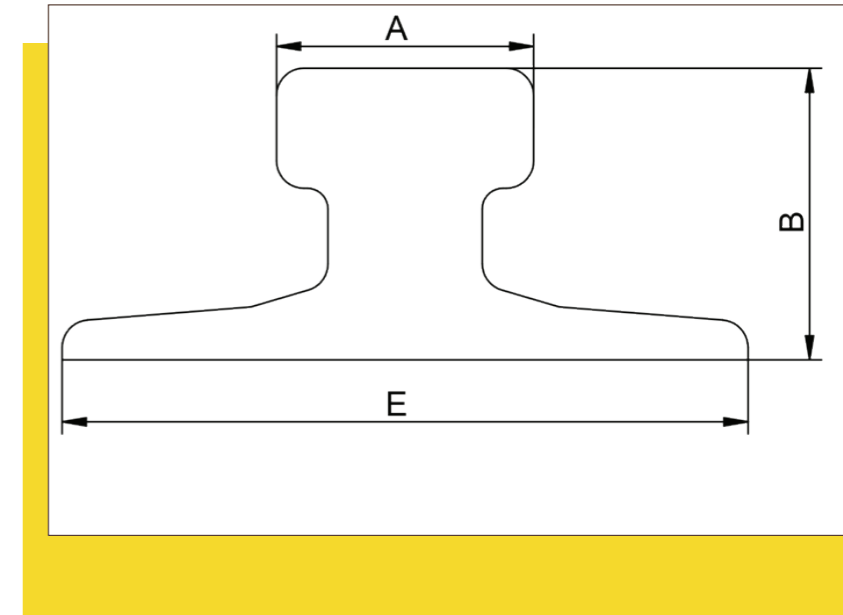
Tolerance ± 2 mm



RM004P – clip with short elastomer attachment – used in conjunction with a flexible rubber pad

WELDABLE RAIL CLIP RM004 / RM004P

					Catalogue number	
Rail type	A mm	B mm	Rail flange width mm E	Weight kg/m	Without the elastic pad	With the elastic rubber pad
A 45	45	55	22,10	125	004	004P
A 55	55	65	31,80	150	004	004P
A 65	65	75	43,10	175	004	004P
A 75	75	85	56,20	200	004	004P
A 100	100	95	74,30	200	004	004P
A 120	120	105	100,00	220	004	004P
CR 104	63,5	127	51,59	127	004	004P
CR 105	65,1	131,8	52,09	131,8	004	004P
CR 135	76,2	146	66,97	131,8	004	004P
S 24	53	115	24,43	90	004	004P
25 KG/M	50	115	25,00	90	004	004P
ANFOR 30	56	125,5	29,98	106	004	004P
30 E1	60,3	108	30,13	108	004	004P
33 E1	58	134	33,47	105	004	004P
36 E1	60	130	36,26	100	004	004P
40 E1	67	138	40,95	125	004	004P
46 E4	65	145	46,90	135	004	004P
49 E1	67	149	49,39	125	004	004P
50 ES	67	148	49,90	135	004	004P
54 E1	70	159	54,77	140	004	004P



Clamps can be used with different types of rails than those in the table. Full offer of every type of rail is available on request. Products and technical info can be changed without notice

Base parameters :

- Flexible mounting of rails with or without rubber cushioning; the use of a flexible rubber pad additionally reduces noise and dampens railway vibrations. System consists of two cooperating elements enabling easy longitudinal adjustment;
- Two parts of the clamp are connected by a bolt and a flange nut.
- Elastomeric overlay on the top clamp increases the tolerance of the rail support structure, reduces stress, and allows for better rail fastening;
- Welding the bottom part of the clamp facilitates installation onto a steel beam or anchor plates (without the need for drilling).
- The fastening system has been successfully used worldwide in the most demanding conditions.

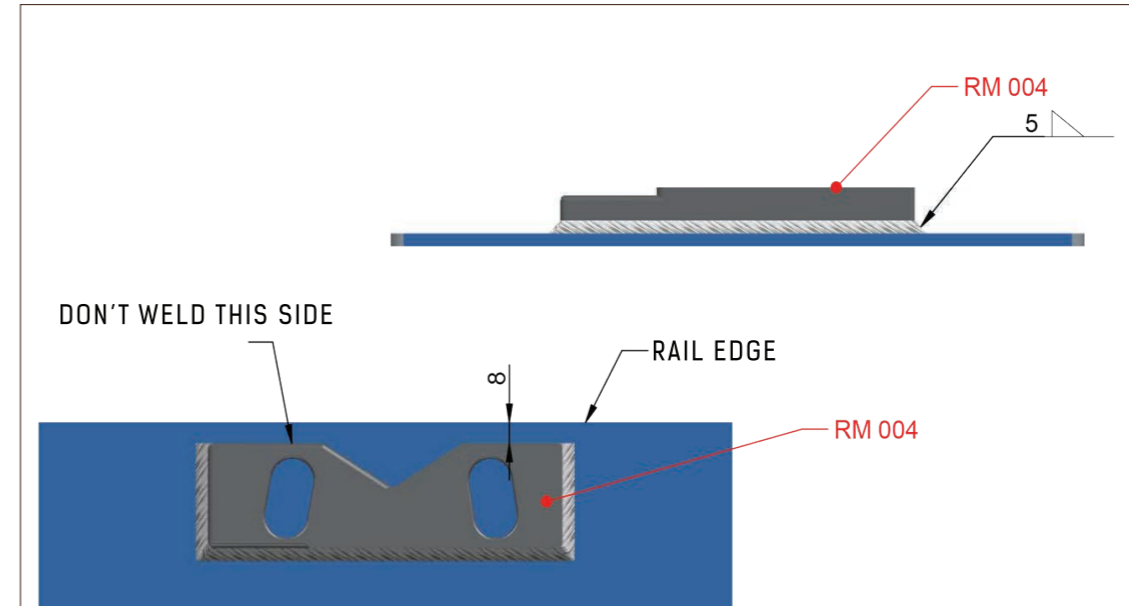
Rubber pad is made with a synthetic elastomer.
The middle layer has additional steel sheet reinforcement.
It is completely resistant to water, oil, ozone, grease, and UV.
It is used in the construction of tracks for cranes and other equipment moving on rails.
It has a high degree of shape recovery and protects crane mechanisms, thus extending their service life.

Technical data of the pad:

Shore hardness – 75±5
Maximum load – 12,7 N/mm²
Strain – 255% (200% after ageing)
Work temperature – -30 +110 °C
Vibration dampening – 45- 50%
Noise reduction (dbA) – 12%
Deflection – 5% (20% after ageing)

Installation manual:

Base of the clamp is made with weldable steel.
Connection can be made using MMA welding with low hydrogen electrodes such as AWS E7018 or E7028 or using MIG welding.
The fillet weld should have 5mm around the base, with the exception of the side closest and parallel to the rail.



RM004 / RM004P