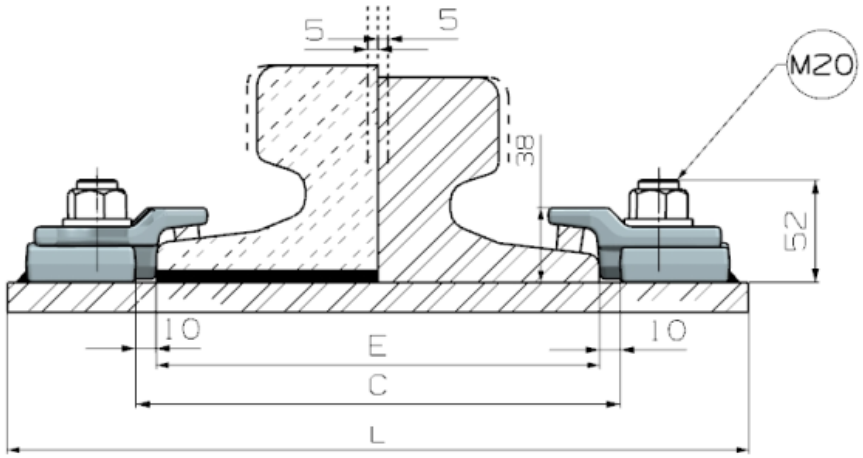
VA 206
WELDED RAIL CLIPS

TECHNICAL SPECIFICATIONS

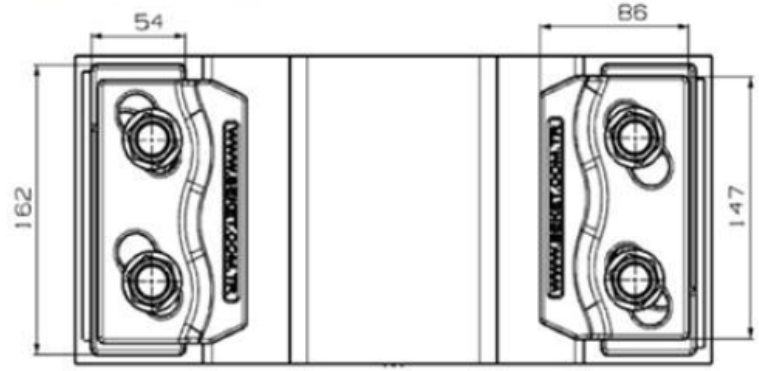
Max side load 300 KN
Lateral adjustmen 22
Bolt M20 gr 8.8
Torque tightening 350 Nm
Steel Quality St52-3



SPECIFICATIONS

Shore	75 ± 5
Maximum Tensile Strength	12,7 N / mm²
Elongation	255% (200% af
Working Temperature	**-30° – +110 C°**
Vibration Reduction	45% - 50%
Noise Reduction (dbA)	12%
Permanent Set	<5% (<20%)

Minimum assembly width - L = Rail width E + 140 mm C = Rail width E + 20

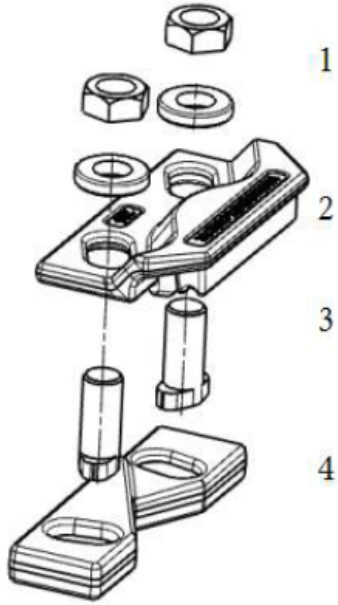


CLIPS NO	Torque tightening	Side load	Weight kg
VA 206	350 Nm	300 KN	2.500
VA 206 P			2.550

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

APPLICATIONS

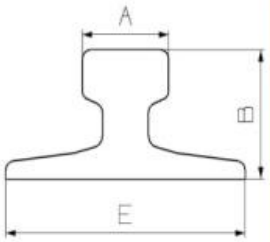
The fastening system for indirecting fixing has been studied specifically for crane rail but it can be used with good results also with train rails.
It is a very rugged, reliable fastening system of contained dimensions.
It can be used with any type of crane independently of the

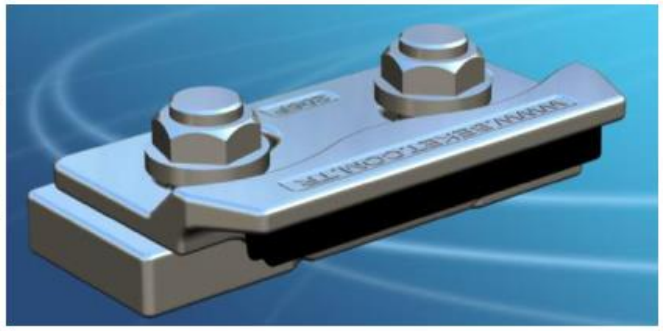


WELDED RAIL CLIPS

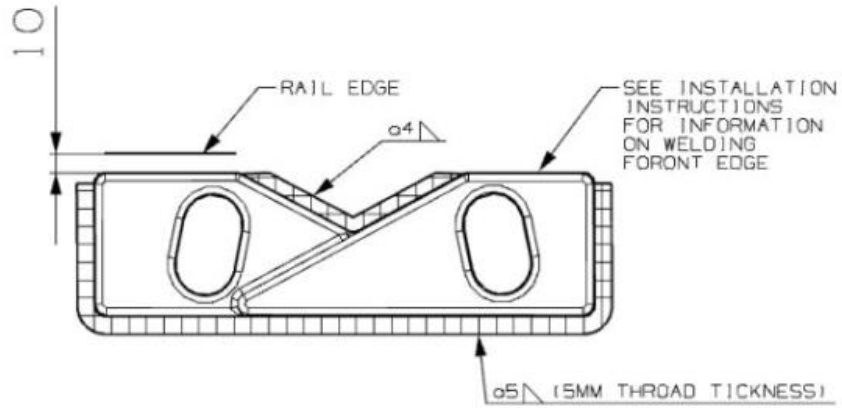
Clip can be with more type of rails than those listed.

RAIL TYPE	A	B	E	Welght kg/m	Without pad	With Pad
A75	75	85	200	56,2		
A100	100	95	200	74,3		
A120	120	105	220	100		
A150	150	150	220	150,3		
CR 104	63,5	127	127	51,59		
CR 105	65,1	131,8	131,8	52,09		
CR 135	76,2	146	131,8	66,97		
CR 171	101,6	152,4	152,4	84,83		
MRS 87 A	101,6	152,4	152,4	86,8		
CR 175	102,4	152,4	152,4	86,8		
MRS 125	120	180	180	125		
49 E1	67	149	125	49,39		
50 ES	67	148	135	49,9		
54 E1	70	159	140	54,77		
60 E1	72	172	150	60,21		





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 flunged 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 difficultles;

* 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.

If a continuous weld around the clip base is required, this is possible,

TIGHTENING TORQUE 275 Nm

ELECTRODE:

AWS A5.1 1-04 E7018-1

EN ISO 2560-A E42 4 B42 H5

CE EN 13479

Rod:

AWS A5.18 ER 70S-6: SG3

EN ISO 1668 W 4Si1: SG3