

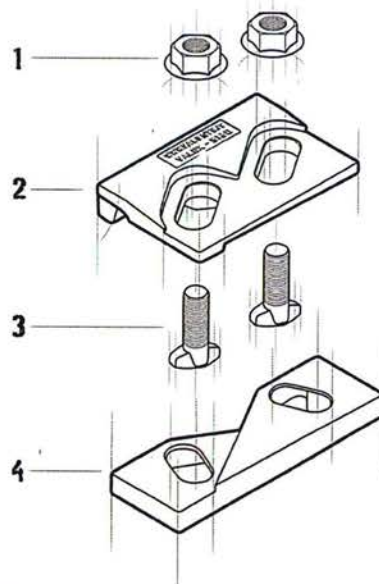
FEATURES

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 bolts and flanged nuts;
- 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.

COMPONENTS

- 1 Flanged nuts M20
- 2 Upper clip with vulcanized rubber nose
- 3 Special screws M20
- 4 Weldable lower clip

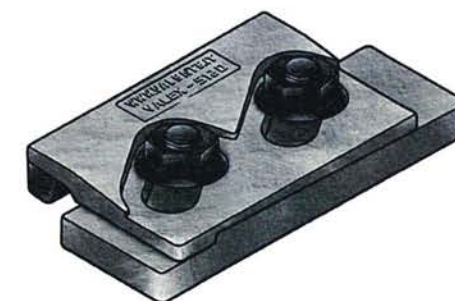


APPLICATIONS

The fastening system Valex 5120 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.

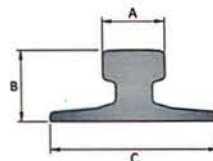
It can be used with any type of crane independently of the driving system.



| <i>Dimensions [mm]</i> | <i>E</i> | <i>F</i> | <i>G</i> | <i>H</i> | <i>L</i> | <i>L1</i> | <i>L2</i> | <i>M</i> | <i>N</i> | <i>O</i> | <i>P</i> | <i>Weight [g]</i> |
|-------------------------|----------|----------|----------|----------|----------|-----------|-----------|----------|----------|----------|----------|-------------------|
| VALEX 5120-39-9 | 20 | 39 | 54 | 19 | - | - | - | - | - | - | - | 2680 |
| VALEX 5120-39-16 | 20 | 39 | 54 | 12 | - | - | - | - | - | - | - | 2655 |
| VALEX 5120-39-19 | 20 | 39 | 54 | 9 | - | - | - | - | - | - | - | 2645 |
| VALEX 5120-43-13 | 24 | 43 | 58 | 19 | - | - | - | - | - | - | - | 2865 |
| VALEX 5120-43-20 | 24 | 43 | 58 | 12 | - | - | - | - | - | - | - | 2840 |
| VALEX 5120-43-23 | 24 | 43 | 58 | 9 | - | - | - | - | - | - | - | 2830 |

| RAIL TYPE | A [mm] | B [mm] | C [mm] | Weight [kg/m] | WITHOUT PAD | WITH PAD |
|------------------|-----------|-----------|-----------|------------------|------------------|------------------|
| A 45 | 45 | 55 | 125 | 22,1 | - | - |
| A 55 | 55 | 65 | 150 | 31,8 | - | - |
| A 65 | 65 | 75 | 175 | 43,1 | VALEX 5120-39-9 | VALEX 5120-43-13 |
| A 75 | 75 | 85 | 200 | 56,2 | VALEX 5120-39-9 | VALEX 5120-43-13 |
| A 100 | 100 | 95 | 200 | 74,3 | VALEX 5120-39-9 | VALEX 5120-43-13 |
| A 120 | 120 | 105 | 220 | 100 | VALEX 5120-39-9 | VALEX 5120-39-16 |
| A 150 | 150 | 150 | 220 | 150,3 | VALEX 5120-43-13 | VALEX 5120-43-20 |
| CR 104 | 63,5 | 127 | 127 | 51,59 | VALEX 5120-43-13 | VALEX 5120-39-19 |
| CR 105 | 65,1 | 131,8 | 131,8 | 52,09 | VALEX 5120-39-9 | VALEX 5120-39-16 |
| CR 135 | 76,2 | 146 | 131,8 | 66,97 | VALEX 5120-39-9 | VALEX 5120-39-16 |
| CR 171 | 101,6 | 152,4 | 152,4 | 84,83 | VALEX 5120-39-16 | VALEX 5120-43-20 |
| MRS 87 A | 101,6 | 152,4 | 152,4 | 86,8 | VALEX 5120-39-16 | VALEX 5120-43-20 |
| CR 175 | 102,4 | 152,4 | 152,4 | 86,8 | VALEX 5120-43-13 | VALEX 5120-39-19 |
| MRS 125 | 120 | 180 | 180 | 125 | VALEX 5120-43-20 | VALEX 5120-43-23 |
| S 7 | 25 | 65 | 50 | 6,75 | - | - |
| S 10 | 32 | 70 | 58 | 10 | - | - |
| S 14 | 38 | 80 | 70 | 14 | - | - |
| S 18 | 43 | 93 | 82 | 18,3 | - | - |
| S 20 | 44 | 100 | 82 | 19,8 | - | - |
| S 24 | 53 | 115 | 90 | 24,43 | - | - |
| 25 kg/m | 50 | 115 | 90 | 25 | - | - |
| S 26 (AFNOR 26) | 50 | 110 | 100 | 26,27 | - | - |
| 27 E1 (27 UNI) | 50 | 120 | 95 | 27,06 | - | - |
| AFNOR 30 | 56 | 125,5 | 106 | 29,98 | - | - |
| 30 E1 (S 30) | 60,3 | 108 | 108 | 30,13 | - | - |
| 33 E1 (S 33) | 58 | 134 | 105 | 33,47 | - | - |
| 36 E1 (36 UNI) | 60 | 130 | 100 | 36,26 | - | - |
| 40 E1 (S 41-R14) | 67 | 138 | 125 | 40,95 | - | - |
| 46 E4 (46 UNI) | 65 | 145 | 135 | 46,9 | VALEX 5120-39-9 | VALEX 5120-43-13 |
| 49 E1 (S 49) | 67 | 149 | 125 | 49,39 | VALEX 5120-39-9 | VALEX 5120-43-13 |
| 50 E5 (50 UNI) | 67 | 148 | 135 | 49,9 | VALEX 5120-39-9 | VALEX 5120-43-13 |
| 54 E1 (UIC 54) | 70 | 159 | 140 | 54,77 | VALEX 5120-39-9 | VALEX 5120-43-13 |
| 60 E1 (UIC 60) | 72 | 172 | 150 | 60,21 | VALEX 5120-39-9 | VALEX 5120-39-16 |

Clip can be used with more type of rails than those listed.
 Complete range of the usable rails available on request.
 Products and specifications could be changed without previous notice.



GENERAL INSTRUCTIONS

The selection of the fastening system, either for crane rails or train or light (Decauville) rails is a rather important decision both when placing a track or a single rail. The wrong selection could have expensive consequences and create serious problems such as:

- slow down or shut down of the production process,
- excessive and, or irregular wear of the rails,
- damage of the mechanical components,
- damage of the supporting base,
- damage of the fastening systems.

Valex fastening systems have been developed through the experience of more than 90 years of activity.

The Vallex fastening systems offer a practically unlimited selection of alternatives which allows for the most effective and efficient performance in nearly every possible situation.

ASSEMBLING INSTRUCTION

- Place the lower clip facing the rail according to the drawing at the distance indicated in the technical cards;
- Weld the two perpendicular sides of the lower clip and the external side opposite to the rail with either electrode or rod;
- Insert the screw in the lower clip;
- Place the upper clip, the washer and the nut;
- Proceed to a light tightening;
- Control the lineup of the rails;
- Complete tightening.

Electrode:

AWS A5.1-04 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

TECHNICAL SPECIFICATIONS

- Lateral adjustment 14 [mm]
- Side load 250 [KN]
- Torque tightening 275 [Nm]
- Welding seam thickness 10 [mm] 3 [mm] see technical drawing below
- Special bolt M20 8.8 gr
- Steel Quality S355JR

WELDING DETAILS

