

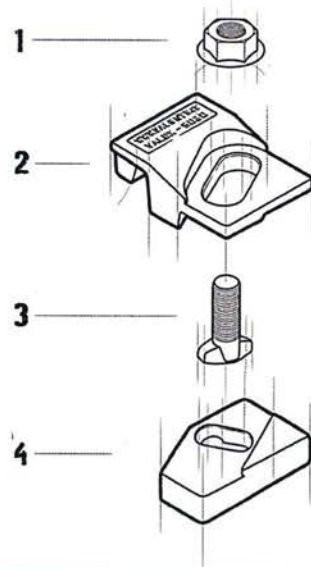
**FEATURES**

**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.

**COMPONENTS**

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



**APPLICATIONS**

The fastening system Valex 5020 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.

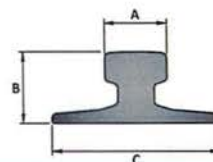


Dimensions [mm]	E	F	G	H	L	L1	L2	M	N	O	P	Weight [g]
VALEX 5020-38-9	20	38	54	19	-	-	-	-	-	-	-	1290
VALEX 5020-38-16	20	38	54	12	-	-	-	-	-	-	-	1280
VALEX 5020-38-19	20	38	54	9	-	-	-	-	-	-	-	1275
VALEX 5020-42-13	24	42	57	19	-	-	-	-	-	-	-	1415
VALEX 5020-42-20	24	42	57	12	-	-	-	-	-	-	-	1405
VALEX 5020-42-23	24	42	57	9	-	-	-	-	-	-	-	1400



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 5020-38-9	VALEX 5020-42-13
A 75	75	85	200	56,2	VALEX 5020-38-9	VALEX 5020-42-13
A 100	100	95	200	74,3	VALEX 5020-38-9	VALEX 5020-42-13
A 120	120	105	220	100	VALEX 5020-38-9	VALEX 5020-38-16
A 150	150	150	220	150,3	VALEX 5020-42-13	VALEX 5020-42-20
CR 104	63,5	127	127	51,59	VALEX 5020-42-13	VALEX 5020-38-16
CR 105	65,1	131,8	131,8	52,09	VALEX 5020-38-9	VALEX 5020-38-16
CR 135	76,2	146	131,8	66,97	VALEX 5020-38-9	VALEX 5020-38-16
CR 171	101,6	152,4	152,4	84,83	VALEX 5020-42-13	VALEX 5020-42-20
MRS 87 A	101,6	152,4	152,4	86,8	VALEX 5020-42-13	VALEX 5020-42-20
CR 175	102,4	152,4	152,4	86,8	VALEX 5020-38-9	VALEX 5020-38-16
MRS 125	120	180	180	125	VALEX 5020-42-20	VALEX 5020-42-23
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 5020-38-9	VALEX 5020-42-13
49 E1 (S 49)	67	149	125	49,39	VALEX 5020-38-9	VALEX 5020-42-13
50 E5 (50 UNI)	67	148	135	49,9	VALEX 5020-38-9	VALEX 5020-42-13
54 E1 (UIC 54)	70	159	140	54,77	VALEX 5020-38-9	VALEX 5020-42-13
60 E1 (UIC 60)	72	172	150	60,21	VALEX 5020-38-9	VALEX 5020-38-16

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

**WELDING DETAILS**

**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 4S11: SG3

**TECHNICAL SPECIFICATIONS**

- Lateral adjustment 14 [mm]
- Side load 140 [KN]
- Torque tightening 275 [Nm]
- Welding seam thickness 10 [mm] 3 [mm] see technical drawing below
- Special bolt M20 gr 8.8
- Steel Quality S355JR

