

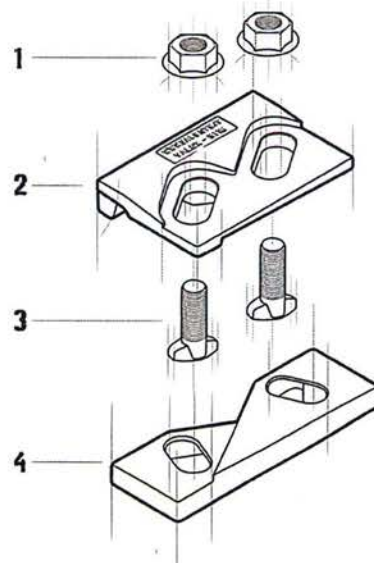
FEATURES

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 M16
- 2 Upper clip with vulcanized rubber nose
- 3 Special screws M16
- 4 Weldable lower clip

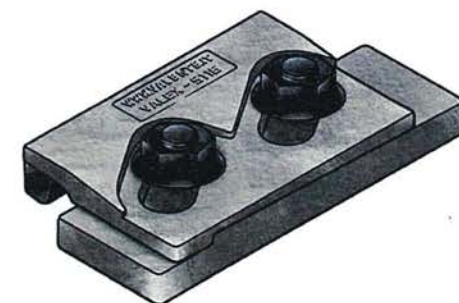


APPLICATIONS

The fastening system Valex 5116 for indirecting fixing has been studied specifically for crane rail but it can be used with good results also with train and light rails.

It is a very rugged, reliable fastening system of contained dimensions.

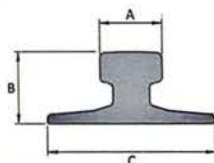
It can be used with any type of crane independently of the driving system.



Dimensions [mm]	E	F	G	H	L	L1	L2	M	N	O	P	Weight [g]
VALEX 5116-32-6	14	32	45	20	-	-	-	-	-	-	-	1275
VALEX 5116-32-13	14	32	45	13	-	-	-	-	-	-	-	1255
VALEX 5116-32-16	14	32	45	10	-	-	-	-	-	-	-	1245
VALEX 5116-34-8	16	34	45	20	-	-	-	-	-	-	-	1350
VALEX 5116-34-15	16	34	45	13	-	-	-	-	-	-	-	1330
VALEX 5116-34-18	16	34	45	10	-	-	-	-	-	-	-	1320

RAIL TYPE	A [mm]	B [mm]	C [mm]	Weight [kg/m]	WITHOUT PAD	WITH PAD
A 45	45	55	125	22,1	VALEX 5116-32-6	VALEX 5116-32-13
A 55	55	65	150	31,8	VALEX 5116-32-6	VALEX 5116-32-13
A 65	65	75	175	43,1	VALEX 5116-32-6	VALEX 5116-32-13
A 75	75	85	200	56,2	VALEX 5116-32-6	VALEX 5116-32-13
A 100	100	95	200	74,3	VALEX 5116-34-8	VALEX 5116-34-15
A 120	120	105	220	100	VALEX 5116-32-13	VALEX 5116-34-18
A 150	150	150	220	150,3	-	-
CR 104	63,5	127	127	51,59	VALEX 5116-32-13	VALEX 5116-34-18
CR 105	65,1	131,8	131,8	52,09	VALEX 5116-34-8	VALEX 5116-34-15
CR 135	76,2	146	131,8	66,97	VALEX 5116-32-13	VALEX 5116-34-18
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	-	-
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	VALEX 5116-32-6	VALEX 5116-32-13
25 kg/m	50	115	90	25	VALEX 5116-32-6	VALEX 5116-32-13
S 26 (AFNOR 26)	50	110	100	26,27	VALEX 5116-32-6	VALEX 5116-32-13
27 E1 (27 UNI)	50	120	95	27,06	VALEX 5116-32-6	VALEX 5116-32-13
AFNOR 30	56	125,5	106	29,98	VALEX 5116-32-6	VALEX 5116-32-13
30 E1 (S 30)	60,3	108	108	30,13	VALEX 5116-32-6	VALEX 5116-32-13
33 E1 (S 33)	58	134	105	33,47	VALEX 5116-32-6	VALEX 5116-32-13
36 E1 (36 UNI)	60	130	100	36,26	VALEX 5116-34-8	VALEX 5116-32-13
40 E1 (S 41-R14)	67	138	125	40,95	VALEX 5116-32-6	VALEX 5116-32-13
46 E4 (46 UNI)	65	145	135	46,9	VALEX 5116-34-8	VALEX 5116-32-13
49 E1 (S 49)	67	149	125	49,39	VALEX 5116-34-8	VALEX 5116-32-13
50 E5 (50 UNI)	67	148	135	49,9	VALEX 5116-34-8	VALEX 5116-32-13
54 E1 (UIC 54)	70	159	140	54,77	VALEX 5116-34-8	VALEX 5116-32-13
60 E1 (UIC 60)	72	172	150	60,21	VALEX 5116-34-8	VALEX 5116-34-15

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

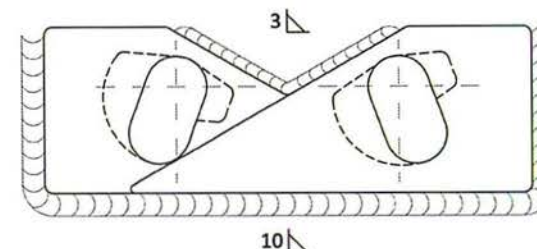
The selection of the fastening system, either for crane rails or train or light (Decauville) rails is a rather important decision both when placing a track or a single rail. The wrong selection could have expensive consequences and create serious problems such as:

- 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 Valox 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 4Si1: SG3

TECHNICAL SPECIFICATIONS

- Lateral adjustment 10 [mm]
- Side load 165 [KN]
- Torque tightening 150 [Nm]
- Welding seam thickness 10 [mm] 3 [mm] see technical drawing below
- Special bolt M16 gr 8.8
- Steel Quality S355JR