



APPLICATIONS

Valex elastomer pads have been specifically developed for elastic laying of crane rails. The Valex elastomer pad, when used jointly with the clips of the Valex series, reduces significantly stress and wear of the rail and of the mechanical components of the crane. It helps to achieve an even distribution of the load of the wheels on the supporting structure.

The use of the elastomer pad is suggested above all in the following situations:

- the rails are subject to heavy working conditions;
- the rails are subject to high vertical and/or lateral wheels stress;
- the rails are operating in extreme weather conditions;
- noise and vibrations shall be reduced to the minimum.



	A [mm]	B [mm]	C [mm]	VALEX I
S 7	25	65	50	-
S 10	32	70	58	-
S 14	38	80	70	-
S 18	43	93	82	-
S 20	44	100	82	-
S 24	53	115	90	-
25 Kg/m	50	115	90	-
S 26 - 26 AFNOR	50	110	100	-
27 Kg/m	50	120	95	-
30 AFNOR	58,6	125,5	106	VALEX I-100-6
S 30	60,3	108	108	VALEX I-100-6
S 33	58	134	105	VALEX I-100-6
36 UNI 3141	60	130	100	-
46 UNI 3141	65	145	135	VALEX I-120-6
49 E5 (S)	67	149	125	VALEX I-120-6
50 E5 (UIC)	67	148	135	VALEX I-120-6
54 E5 (UIC)	72,2	159	140	VALEX I-120-6
60 E1 (UIC)	72	172	150	VALEX I-146-6
A 45	45	55	125	VALEX I-120-6
A 55	55	65	150	VALEX I-146-6
A 65	65	75	175	VALEX I-170-6
A 75	75	85	200	VALEX I-195-6
A 100	100	95	200	VALEX I-195-6
A 120	120	105	220	VALEX I-210-6
A 150	150	150	220	VALEX I-210-6
MRS 87A	101,6	152,4	152,4	VALEX I-146-6
MRS 125	120	180	180	VALEX I-170-6
CR 73	100	135	140	VALEX I-120-6
CR 100	120	150	155	VALEX I-146-6
CR 104	63,5	127	127	VALEX I-120-6
CR 105	65	131,7	131,7	VALEX I-120-6
CR 135	87,3	146	131,7	VALEX I-120-6
CR 171	109,2	152,4	152,4	VALEX I-146-6
CR 175	102,4	152,4	152,4	VALEX I-146-6

Technical specifications:

The Valex I pad:

- is manufactured with stress and wear resistant synthetic elastomer;
- fully incorporates a special steel plate which makes the pad transversally rigid, consequently, even in the most extreme operating conditions, the pad does not misplace laterally;
- is not damaged by oil, grease, ozone and by the exposure to ultra-violet rays;
- reduces significantly noise and vibrations;
- greatly reduces load concentrations and fatigue stress;
- eliminates uneven contacts between rails and the support structure;
- protects the crane mechanical components and reduces the wear of wheels, bearings and axles.

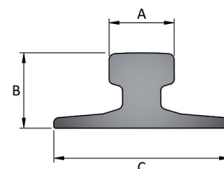
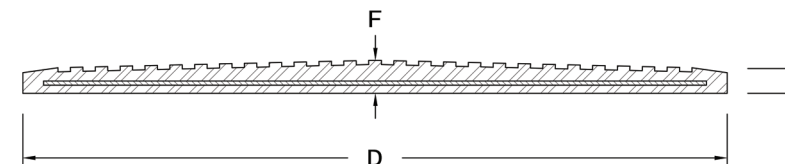
Technical and physical specifications of the elastomer:

- Hardness: 75° +/-5 Shore A Din 53505
- Tensile strength: 16 N/ mmq Din 53505
- Extension: 300% Din 53505
- Permanent deformation: 5% (max.) A 23°C
- Working temperature: -30° to 130° C
- Noise reduction: 10% DbA
- Vibration reduction: among 40 et 45%
- Ultimate tensile stress: 120 Kg/cm2
- Lengths available: 6/12 m.

Assembling instructions:

Before laying the pad, the supporting area shall be clean and free of oil, grease and every jut or unevenness, which could damage the pad.

Peso/Weight/Poids (kg)	VALEX I	D	E	F
1,0	VALEX I-100-6	100	6	7,5
1,2	VALEX I-120-6	120	6	7,5
1,6	VALEX I 146-6	146	6	7,5
1,9	VALEX I 170-6	170	6	7,5
2,2	VALEX I 195-6	195	6	7,5
2,4	VALEX I 210-6	210	6	7,5



Pad 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.



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VALENTE SPA assures and guarantees the origin and quality of its products and provides all the documentation and assistance which could be reasonably requested.

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