VALENTE SINCE 1919 SPA 100
One hundred years of reliability

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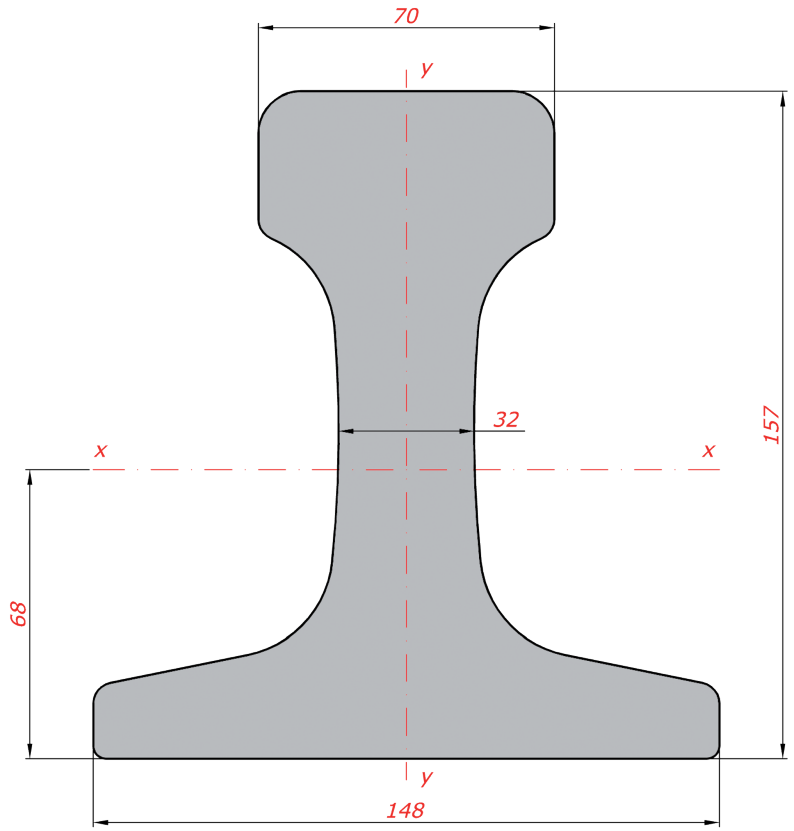
CRANE RAILS
RAIL MRS73 (AS73)



MASS	73.63	[Kg/m]
AREA	93.8	[cm²]
MOMENT OF INERTIA X-X	2660.1	[cm⁴]
MOMENT OF INERTIA Y-Y	671.9	[cm⁴]
SECTION MODULUS X-X – HEAD	391.2	[cm³]
SECTION MODULUS X-X – BASE	298.9	[cm³]
SECTION MODULUS Y-Y	92	[cm³]

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SUITABLE FASTENING SYSTEM FOR RAIL MRS73 (AS73)

INDIRECT FIXING

FASTENING SERIES	LATERAL ADJUSTMENT [mm]	SIDE LOAD [KN]	TORQUE TIGHTENING [Nm]	FASTENING SYSTEM
	WITH PAD			
VALEX 1004	–	–	–	–
VALEX 3016	–	–	–	–
VALEX 3116	–	–	–	–
VALEX 5016	–	–	–	–
VALEX 5020	14	140	275	VALEX 5020-42-20
VALEX 5024	20	190	500	VALEX 5024-50-26
VALEX 5116	–	–	–	–
VALEX 5120	14	250	275	VALEX 5120-43-20
VALEX 5124	20	300	500	VALEX 5124-50-21
VALEX 9022	–	–	–	–

FASTENING SERIES	LATERAL ADJUSTMENT [mm]	SIDE LOAD [KN]	TORQUE TIGHTENING [Nm]	FASTENING SYSTEM
	WITHOUT PAD			
VALEX 1004	–	–	–	–
VALEX 3016	–	–	–	–
VALEX 3116	–	90	175	VALEX 3116-28-05
VALEX 5016	10	70	150	VALEX 5016-34-15
VALEX 5020	14	140	275	VALEX 5020-38-16
VALEX 5024	20	190	500	VALEX 5024-40-19
VALEX 5116	10	165	150	VALEX 5116-34-15
VALEX 5120	14	250	275	VALEX 5120-39-16
VALEX 5124	20	300	500	VALEX 5124-40-16
VALEX 9022	–	150	420	VALEX 9022

DIRECT FIXING

FASTENING SERIES	LATERAL ADJUSTMENT [mm]	SIDE LOAD [KN]	TORQUE TIGHTENING [Nm]	FASTENING SYSTEM
VALEX 2012	–	–	–	–
VALEX 2016	–	–	–	–
VALEX 2020	–	–	–	–
VALEX 2024	15	160	550	VALEX 2024-42-23
VALEX 2124	15	290	550	VALEX 2124-42-23
VALEX 4018	–	–	–	–
VALEX 4021	–	–	–	–
VALEX 4023	–	–	–	–
VALEX 4025	–	–	–	–
VALEX 4028	–	–	–	–
VALEX 6024	15	165	550	VALEX 6024-50-21
VALEX 7020	10	90	320	VALEX 7020-47-22
VALEX F036	–	–	–	–
VALEX F046	–	–	–	–
VALEX F050	–	–	–	–
VALEX F060	–	–	–	–
VALEX D510	–	–	–	–
VALEX D614	–	–	–	–
VALEX D820	–	–	–	–

FASTENING SERIES	LATERAL ADJUSTMENT [mm]	SIDE LOAD [KN]	TORQUE TIGHTENING [Nm]	FASTENING SYSTEM
VALEX 2012	–	–	–	–
VALEX 2016	–	–	–	–
VALEX 2020	15	110	320	VALEX 2020-35-15
VALEX 2024	15	160	550	VALEX 2024-42-13
VALEX 2124	15	290	550	VALEX 2124-42-13
VALEX 4018	–	–	–	–
VALEX 4021	–	–	–	–
VALEX 4023	–	–	–	–
VALEX 4025	–	–	–	–
VALEX 4028	–	95	550	VALEX 4028
VALEX 6024	–	–	–	–
VALEX 7020	10	90	320	VALEX 7020-40-15
VALEX F036	–	–	–	–
VALEX F046	–	–	–	–
VALEX F050	–	–	–	–
VALEX F060	–	–	–	–
VALEX D510	–	–	–	–
VALEX D614	–	–	–	–
VALEX D820	–	–	–	–