VALENTE SINCE 1919 SPA
One hundred years of reliability

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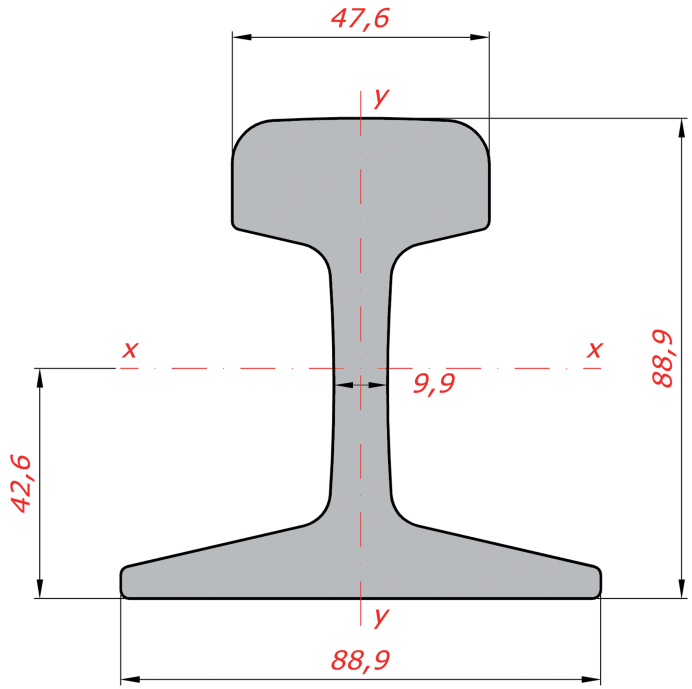
ISO 9001:2015 Certified



MASS	19.84	[Kg/m]
AREA	25.42	[cm²]
MOMENT OF INERTIA X-X	272.2	[cm⁴]
MOMENT OF INERTIA Y-Y	66	[cm⁴]
SECTION MODULUS X-X – HEAD	58.8	[cm³]
SECTION MODULUS X-X – BASE	63.9	[cm³]
SECTION MODULUS Y-Y	14.8	[cm³]

VALENTE SINCE 1919 SPA 100
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SUITABLE FASTENING SYSTEM FOR RAIL ASCE 40

INDIRECT FIXING

WITH PAD

FASTENING SERIES	LATERAL ADJUSTMENT [mm]	SIDE LOAD [KN]	TORQUE TIGHTENING [Nm]	FASTENING SYSTEM
VALEX 1004	10	60	175	VALEX 1004-29-18
VALEX 3016	–	65	175	VALEX 3016-28-09
VALEX 3116	–	90	175	VALEX 3116-28-05
VALEX 5016	10	70	150	VALEX 5016-32-13
VALEX 5020	–	–	–	–
VALEX 5024	–	–	–	–
VALEX 5116	10	165	150	VALEX 5116-32-13
VALEX 5120	–	–	–	–
VALEX 5124	–	–	–	–
VALEX 9022	–	–	–	–

WITHOUT PAD

FASTENING SERIES	LATERAL ADJUSTMENT [mm]	SIDE LOAD [KN]	TORQUE TIGHTENING [Nm]	FASTENING SYSTEM
VALEX 1004	10	60	175	VALEX 1004-25-14
VALEX 3016	–	65	175	VALEX 3016-28-15
VALEX 3116	–	–	–	–
VALEX 5016	10	70	150	VALEX 5016-32-06
VALEX 5020	–	–	–	–
VALEX 5024	–	–	–	–
VALEX 5116	10	165	150	VALEX 5116-32-06
VALEX 5120	–	–	–	–
VALEX 5124	–	–	–	–
VALEX 9022	–	–	–	–

DIRECT FIXING

FASTENING SERIES	LATERAL ADJUSTMENT [mm]	SIDE LOAD [KN]	TORQUE TIGHTENING [Nm]	FASTENING SYSTEM
VALEX 2012	5	30	75	VALEX 2012-31-10
VALEX 2016	10	–	175	VALEX 2016-32-10
VALEX 2020	–	–	–	–
VALEX 2024	15	160	550	VALEX 2024-42-09
VALEX 2124	15	290	550	VALEX 2124-42-09
VALEX 4018	–	–	–	–
VALEX 4021	–	–	–	–
VALEX 4023	–	–	–	–
VALEX 4025	–	–	–	–
VALEX 4028	–	–	–	–
VALEX 6024	–	–	–	–
VALEX 7020	–	–	–	–
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	5	30	75	VALEX 2012-31-06
VALEX 2016	10	55	175	VALEX 2016-32-06
VALEX 2020	15	110	320	VALEX 2020-35-13
VALEX 2024	–	–	–	–
VALEX 2124	–	–	–	–
VALEX 4018	6	60	220	VALEX 4018
VALEX 4021	8	70	320	VALEX 4021
VALEX 4023	–	–	–	–
VALEX 4025	–	–	–	–
VALEX 4028	–	–	–	–
VALEX 6024	–	–	–	–
VALEX 7020	–	–	–	–
VALEX F036	–	–	–	–
VALEX F046	–	–	–	–
VALEX F050	8	70	320	VALEX F050
VALEX F060	–	–	–	–
VALEX D510	–	20	75	VALEX D510/M
VALEX D614	–	35	175	VALEX D614/M
VALEX D820	–	70	220	VALEX D820/M