VALENTE SPA SINCE 1919
One hundred years of reliability

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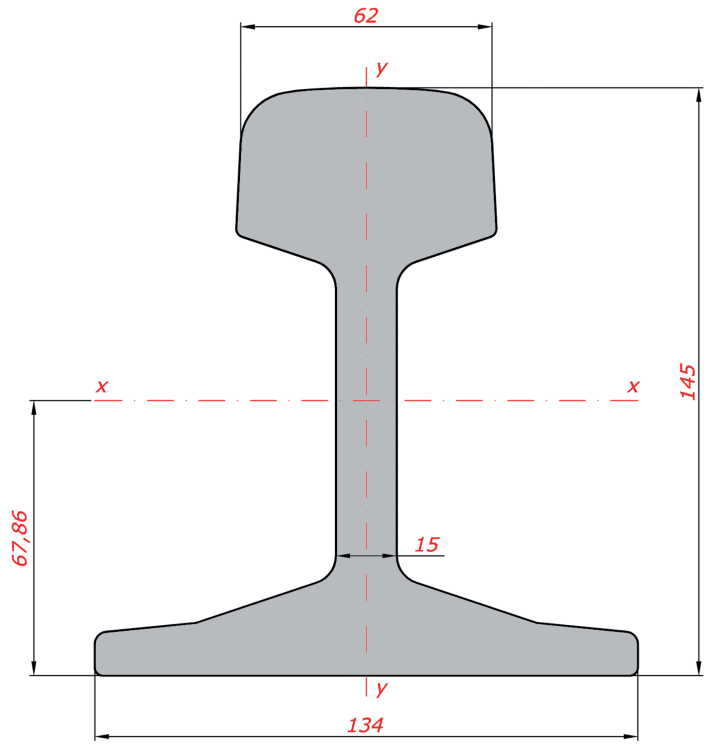
ISO 9001:2015 Certified

RAÍLES FERROVIARIOS
RAIL 46 E2 (U33, VIGN46)



MASA	46.27	[Kg/m]
ÁREA	58.94	[cm²]
MOMENTO DE INERCIA X-X	1642.7	[cm⁴]
MOMENTO DE INERCIA Y-Y	329.3	[cm⁴]
MÓDULO DE SECCIÓN X-X – CABEZA	213	[cm³]
MÓDULO DE SECCIÓN X-X – BASE	242.1	[cm³]
MÓDULO DE SECCIÓN Y-Y	49.1	[cm³]

VALENTE 100 SINCE 1919 SPA
One hundred years of reliability

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SISTEMA DE FIJACIÓN ADECUADO PARA EL RIEL 46 E2 (U33, VIGN46)

FIJACIÓN INDIRECTA

CON INTERCALADOR

SERIE DE FIJACIÓN	AJUSTE LATERAL [mm]	CARGA LATERAL [KN]	PAR DE APRIETE [Nm]	SISTEMA DE FIJACIÓN
VALEX 1004	10	60	175	VALEX 1004-33-22
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 5020-42-13
VALEX 5024	–	–	–	–
VALEX 5116	10	165	150	VALEX 5116-34-15
VALEX 5120	14	250	275	VALEX 5120-43-13
VALEX 5124	–	–	–	–
VALEX 9022	–	–	–	–

SIN INTERCALADOR

SERIE DE FIJACIÓN	AJUSTE LATERAL [mm]	CARGA LATERAL [KN]	PAR DE APRIETE [Nm]	SISTEMA DE FIJACIÓN
VALEX 1004	10	60	175	VALEX 1004-29-18
VALEX 3016	–	65	175	VALEX 3016-28-12
VALEX 3116	–	90	175	VALEX 3116-28-12
VALEX 5016	10	70	150	VALEX 5016-34-08
VALEX 5020	14	140	275	VALEX 5020-38-09
VALEX 5024	–	–	–	–
VALEX 5116	10	165	150	VALEX 5116-34-08
VALEX 5120	14	250	275	VALEX 5120-39-09
VALEX 5124	–	–	–	–
VALEX 9022	–	–	–	–

FIJACIÓN DIRECTA

SERIE DE FIJACIÓN	AJUSTE LATERAL [mm]	CARGA LATERAL [KN]	PAR DE APRIETE [Nm]	SISTEMA DE FIJACIÓN
VALEX 2012	5	30	75	VALEX 2012-31-13
VALEX 2016	10	–	175	VALEX 2016-32-13
VALEX 2020	15	110	320	VALEX 2020-35-13
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	–	85	550	VALEX F060
VALEX D510	–	–	–	–
VALEX D614	–	–	–	–
VALEX D820	–	–	–	–

SERIE DE FIJACIÓN	AJUSTE LATERAL [mm]	CARGA LATERAL [KN]	PAR DE APRIETE [Nm]	SISTEMA DE FIJACIÓN
VALEX 2012	5	30	75	VALEX 2012-31-06
VALEX 2016	10	55	175	VALEX 2016-32-06
VALEX 2020	15	110	320	VALEX 2020-35-08
VALEX 2024	–	–	–	–
VALEX 2124	–	–	–	–
VALEX 4018	–	–	–	–
VALEX 4021	8	70	320	VALEX 4021
VALEX 4023	–	–	–	–
VALEX 4025	10	70	320	VALEX 4025
VALEX 4028	–	–	–	–
VALEX 6024	–	–	–	–
VALEX 7020	10	90	320	VALEX 7020-40-10
VALEX F036	–	80	–	VALEX F036
VALEX F046	–	70	320	VALEX F046
VALEX F050	8	70	320	VALEX F050
VALEX F060	–	85	550	VALEX F060
VALEX D510	–	–	–	–
VALEX D614	–	–	–	–
VALEX D820	–	–	–	–