VALENTE SINCE 1919 SPA
One hundred years of reliability

Headquarters:
Via Don Minzoni, 6
20045 – Lainate (MI) Italy
Tel. +39 02.93799212 - Fax. +39 02. 93799349
mail@valente.it
www.valente.it www.valente1919.com

Registered office:
Via Emilio Motta, 6
20144 – Milano (MI) Italy
info@valente.it

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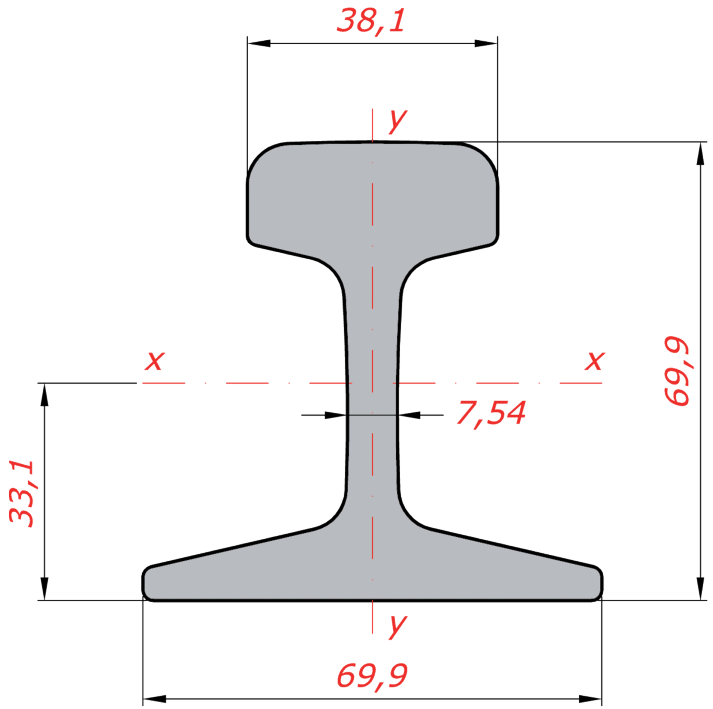
CARRIS LIGEIROS
RAIL JIS 12



MASSA	12.2	[Kg/m]
ÁREA	15.88	[cm²]
MOMENTO DE INÉRCIA X-X	106	[cm⁴]
MOMENTO DE INÉRCIA Y-Y	26	[cm⁴]
MÓDULO DE SEÇÃO X-X - CABEÇA	28.8	[cm³]
MÓDULO DE SEÇÃO X-X - BASE	32	[cm³]
MÓDULO DE SEÇÃO Y-Y	7.4	[cm³]

VALENTE SINCE 1919 SPA 100
One hundred years of reliability

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SISTEMA DE FIXAÇÃO ADEQUADO PARA O TRILHO JIS 12

FIXAÇÃO INDIRETA

COM ESPAÇADOR

SÉRIE DE FIXAÇÃO	AJUSTE LATERAL [mm]	CARGA LATERAL [KN]	APERTO POR TORQUE [Nm]	SISTEMA DE FIXAÇÃO
VALEX 1004	–	–	–	–
VALEX 3016	–	–	–	–
VALEX 3116	–	–	–	–
VALEX 5016	–	–	–	–
VALEX 5020	–	–	–	–
VALEX 5024	–	–	–	–
VALEX 5116	–	–	–	–
VALEX 5120	–	–	–	–
VALEX 5124	–	–	–	–
VALEX 9022	–	–	–	–

SEM ESPAÇADOR

SÉRIE DE FIXAÇÃO	AJUSTE LATERAL [mm]	CARGA LATERAL [KN]	APERTO POR TORQUE [Nm]	SISTEMA DE FIXAÇÃO
VALEX 1004	10	60	175	VALEX 1004-25-14
VALEX 3016	–	65	175	VALEX 3016-28-15
VALEX 3116	–	–	–	–
VALEX 5016	–	–	–	–
VALEX 5020	–	–	–	–
VALEX 5024	–	–	–	–
VALEX 5116	–	–	–	–
VALEX 5120	–	–	–	–
VALEX 5124	–	–	–	–
VALEX 9022	–	–	–	–

FIXAÇÃO DIRETA

SÉRIE DE FIXAÇÃO	AJUSTE LATERAL [mm]	CARGA LATERAL [KN]	APERTO POR TORQUE [Nm]	SISTEMA DE FIXAÇÃO
VALEX 2012	–	–	–	–
VALEX 2016	–	–	–	–
VALEX 2020	–	–	–	–
VALEX 2024	–	–	–	–
VALEX 2124	–	–	–	–
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	–	–	–	–

SÉRIE DE FIXAÇÃO	AJUSTE LATERAL [mm]	CARGA LATERAL [KN]	APERTO POR TORQUE [Nm]	SISTEMA DE FIXAÇÃO
VALEX 2012	–	–	–	–
VALEX 2016	–	–	–	–
VALEX 2020	–	–	–	–
VALEX 2024	–	–	–	–
VALEX 2124	–	–	–	–
VALEX 4018	–	–	–	–
VALEX 4021	–	–	–	–
VALEX 4023	–	–	–	–
VALEX 4025	–	–	–	–
VALEX 4028	–	–	–	–
VALEX 6024	–	–	–	–
VALEX 7020	–	–	–	–
VALEX F036	–	–	–	–
VALEX F046	–	–	–	–
VALEX F050	–	–	–	–
VALEX F060	–	–	–	–
VALEX D510	–	20	75	VALEX D510/M
VALEX D614	–	35	175	VALEX D614/M
VALEX D820	–	–	–	–