



MASS	67,77	kg/m
AREA	86,33	cm ²
MOMENT OF INERTIA x-x	2116	cm ⁴
MOMENT OF INERTIA y-y	502,3	cm ⁴
SECTION MODULUS x-x - HEAD	283,5	cm ³
SECTION MODULUS x-x - BASE	296,5	cm ³
SECTION MODULUS y-y	76,2	cm ³



SUITABLE FASTENING SYSTEM FOR RAIL CR 135

WITHOUT PAD

WITH PAD

INDIRECT FIXING

FASTENING SERIES	LATERAL ADJUSTMENT	SIDE LOAD	TORQUE TIGHTENING	FASTENING SYSTEM
VALEX 1004	10	60	175	VALEX 1004-29-18
VALEX 3016	-	50	175	VALEX 3016-28-9
VALEX 3116	-	80	175	VALEX 3116-28-9
VALEX 5016	10	55	150	VALEX 5016-32-13
VALEX 5020	14	100	275	VALEX 5020-38-9
VALEX 5024	20	150	500	VALEX 5024-42-13
VALEX 5116	10	125	150	VALEX 5116-32-13
VALEX 5120	14	200	275	VALEX 5120-39-9
VALEX 5124	20	270	500	VALEX 5124-42-13
VALEX 9022	-	-	-	-

FASTENING SERIES	LATERAL ADJUSTMENT	SIDE LOAD	TORQUE TIGHTENING	FASTENING SYSTEM
VALEX 1004	-	-	-	-
VALEX 3016	-	-	-	-
VALEX 3116	-	-	-	-
VALEX 5016	10	55	150	VALEX 5016-34-18
VALEX 5020	14	100	275	VALEX 5020-38-16
VALEX 5024	20	150	500	VALEX 5024-42-21
VALEX 5116	10	125	150	VALEX 5116-34-18
VALEX 5120	10	125	150	VALEX 5120-39-16
VALEX 5124	20	270	500	VALEX 5124-42-18
VALEX 9022	-	-	-	-

DIRECT FIXING

FASTENING SERIES	LATERAL ADJUSTMENT	SIDE LOAD	TORQUE TIGHTENING	FASTENING SYSTEM
VALEX 2012	-	-	-	-
VALEX 2016	-	-	-	-
VALEX 2020	15	75	320	VALEX 2020-35-13
VALEX 2024	15	125	550	VALEX 2024-42-9
VALEX 2124	15	250	550	VALEX 2124-42-9
VALEX 4000	-	-	-	-
VALEX 6024	-	-	-	-
VALEX 7020	10	75	320	VALEX 7020-40-10
VALEX F	-	-	-	-
VALEX D	-	-	-	-
VALEX D/M	-	-	-	-

FASTENING SERIES	LATERAL ADJUSTMENT	SIDE LOAD	TORQUE TIGHTENING	FASTENING SYSTEM
VALEX 2012	-	-	-	-
VALEX 2016	-	-	-	-
VALEX 2020	-	-	-	-
VALEX 2024	15	125	550	VALEX 2024-42-18
VALEX 2124	15	250	550	VALEX 2124-42-18
VALEX 4000	-	-	-	-
VALEX 6024	-	-	-	-
VALEX 7020	10	75	320	VALEX 7020-47-17
VALEX F	-	-	-	-
VALEX D	-	-	-	-
VALEX D/M	-	-	-	-