

TECHNICAL DATA SHEET

**PRODUCT : ALUMINIUM QUARTER TURN
LOCKING KARABINER**

REF. NO. : RV-QTL-117

DOC. NO. : RV/TDS/QTL/117

ISSUE : 01-19

REVISION : 01

DATE : 13-03-2020

CONFORMING TO EN 362:2004(CLASS B)



Physical Parameters	General		- Opening 22 mm - Made of Ø11 mm aluminium round bar - Automatic locking type karabiner - Aluminium quarter turn locking karabiner.
		Weight	82.0gm
Metallic Assembly		Material	Aluminium Alloy
		Breaking Strength	Greater than 20 kN
Vital Test Compliance	Static Strength	Plating	Electro polished natural silver.
		Finish	Free of sharp edges. Capable of taking 50 hrs of neutral salt spray testing.
		Testing Equipment Required	Tensile Testing Machine.
		Major Axis	Able to withstand a Tensile Load of 20 KN for 3 Min ± 3 sec with Gate closed and unlocked. And also able to withstand a Tensile Marked Load + 1KN for 3 Min ± 3 sec with Gate closed and locked.
	Minor Axis	Able to withstand a Tensile Load of 7 KN for 3 Min ± 3 sec with Gate closed.	
		Testing Equipment Required	Tensile Testing Machine.
	Gate Function		With the gate closed and locked, apply a load of 6KN for 10 ± 1 second along the major axis. Unload and check that gate opens as intended.

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	Gate Resistance	Gate Face	Tested with a force of (1.0 ± 0.02) KN, the gate-locking feature of connector function correctly without separating from the latch by more than 1mm.
		Gate Side	Gate locking withstands a force of $1.5 (\pm 0.03)$ kN without any partial fracture. After this test the gate locking feature still functions correctly.
	Corrosion Test	Testing Equipment	Salt Spray Chamber
		Conformity	Does not show any red rust after subjecting to 120 hours of salt-spray testing.