



CARBON MULTI LADDER

The Carbon Multi Ladder is a multi function ladder system comprised of carbon fiber ladder sections. The innovative, lightweight, strong and smooth design is derived from the same advanced molding techniques also used to fabricate modern bicycle frames and components. As a result of the state-of-the-art fabrication process, the ladder design optimizes the carbon fiber properties into a very strong monocoque frame. The Carbon Multi Ladder system packs into a low-volume package that is easily carried on a backpack or with the custom CML Backpack. The Carbon Multi Ladder can be used in multiple configurations.

The Carbon Multi Ladder system is a versatile system with multiple functions, its main usage modes are:

1. Suspended by hook(s)
2. Leaning against wall
3. Stretcher
4. Bridge

The ladder segments and its components are rapidly and easily assembled with stainless steel quick release pins.

Shown below is a detailed view illustrating the innovative design made possible by the molding process. The circular indentations have corresponding bosses which align and lock the ladder segments when stacked.

The Carbon Multi Ladder has the same interface as the Tactical Ladder which gives full compatibility with the Tactical Hook and flexi element.

The top adapter is made from high performance Aluminum alloys and enables the ladder to be used with both one or two hooks.



This picture shows 3x CML Sections plus all equipment necessary for all 4 main usage modes packed with the CML Backpack.

PROTECTIVE RUBBER ENDS

The rubber feet and tops both protect the ladder from hard abrasive surfaces as well as provide friction against slippery surfaces and act as shock absorbers. A new extra wide wire ladder has been developed to give the Carbon Multi Ladder extra flexibility and ease of use.

Specifications	
MBL (Hook Suspended)	1000 kg / 2204 lbs
Section weight	1,85 kg / 3.7 lbs
Section Length	0,9 m / 2.95 ft



REBS®

CML USE

The Carbon Multi Ladder system stacks into a compact and stable package for transportation and storage.

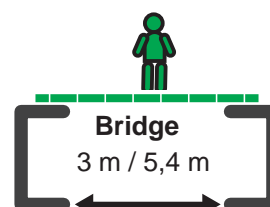
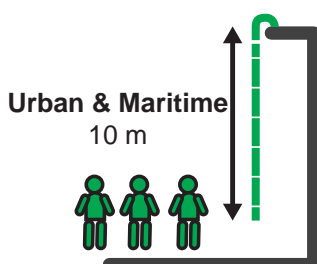
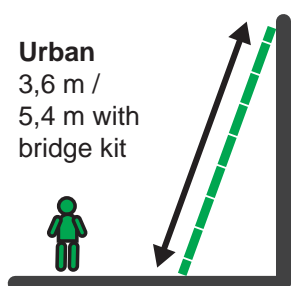
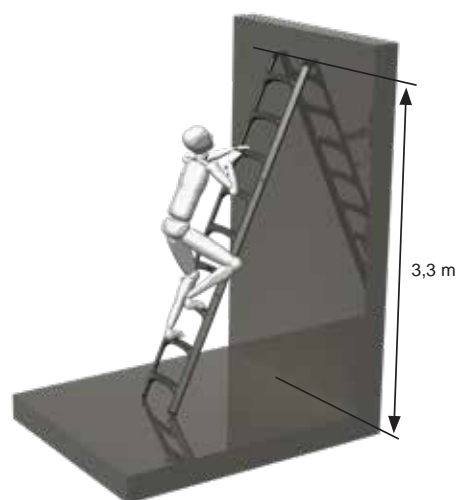
The CML Backpack fits up to 6x ladder sections and all needed equipment.



URBAN & MARITIME USAGE

Depending on desired angle, stack up to five sections for a total ladder length of 4,5 m and use them as a leaning rung ladder to scale a wall. The Carbon Multi Ladder is a very efficient tool for urban operation.

Mount the top adapter for use in maritime operations. Stack three sections, the top adapter with hooks and flexi elements, and a wide wire ladder for an efficient maritime boarding tool. The top adapter accommodates either single or dual hook setup. The hanging ladder configuration is also great for certain urban operations, and can also be equipped with our MaxGrip hook. The MaxGrip hook is developed especially for urban use, and is particularly suitable for compound structures.



REBS[®]

CML USE

SUSPENDED FROM HOOK(S)

The Carbon Multi Ladder can reach up to 10 m high ledges. In a hanging position the minimum breaking load (MBL) is 1000 kg.



SINGLE / DOUBLE HOOKS

The Carbon Multi Ladder developed for use with our Tactical hooks, and used with either single or dual hook setup. Our new MaxGrip hook is a very good alternative to the Tactical Hook when scaling compound structures.



BRIDGE

Stack three elements to make a bridge. The bridge has been tested to a MBL of 200 kg / 440 lbs at the center when laid across a 3 m / 9.8 ft gap. A bridge kit which allows users to cross gaps of up to 5,4 m / 17.7 ft (6 sections) as shown on the picture below is also available for advanced users.



CML DETAILS - STRETCHER

HANDLES

Connect two sections and four handles to make a stretcher. With the handles the stretcher is ergonomic and easy to carry. The handles can be quickly removed to fit into helicopters and other tight spaces. The handles provide a good grip while also keeping the stretcher lifted off the ground.



EMERGENCY EVACUATIONS

The stretcher handles keep the stretcher off the ground and protect the hands of the operators carrying it. The hand protectors double as runners which makes possible single handed emergency evacuations by pulling the stretcher as a sled. The stretcher bed has an integrated lifting harness which enables vertical lifts of patient in stretcher, e.g. for helicopter evacuation.



REBS CML Section
BE007564



Top Adapter with Pigg Release
BE007630



REBS Hook Tactical 7" / 10"
BE004512 / BE005746



Flexielement
BE004636



Wall Stand-off
BE007599



REBS Wire Ladder Wide 1,5 m
BE002481



Rubber Top
BE007565



Rubber Foot
BE007566



REBS Hook Dual 6,8" Tactical
BE004514



Quick Release Pin ø12 x 35 mm
BE007689



Bridge Line Kit
BE007786



Stretcher Handles Tops Kit
BE000253

Female Left
BE000241



Female Right
BE000242



Stretcher Handles Feet Kit
BE000252

Male Left
BE000239



Male Right
BE000240



Angle Connector Kit (R+L)
BE007569

Left Side
BE007691



Right Side
BE007692



CML Top Adapter with Pigg Release, Step Fork and Rope Clamp
BE007567



CML Step Fork
BE007596



CML Rope Clamp
BE007597



Backpack
BE007687



CML PACKAGES TABLE

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