

# EU-Type Examination Certificate

No. P5A 089530 0017 Rev. 00

**Holder of Certificate:** **TruBlue LLC**  
**dba Head Rush Technologies**  
1699 Cherry Street  
Louisville CO 80027  
USA

**Product:** **PPE against fall from a height**  
**Auto Belay Device**

**Model(s):** **-QUICKFLIGHT, QF150-12A**  
**-QUICKFLIGHT XL, QFXL150-20A**

**Tested according to:** DIN EN 341:2011  
DIN EN 360:2002  
RfU PPE-R/11.128 V2:2020

The Certification Body of TÜV SÜD Product Service GmbH confirms that the listed product fulfils the basic requirements with Annex V (Module B) of Regulation (EU) 2016/425 on personal protective equipment according to Article 19 (PPE of category III). This certificate refers only to the submitted sample for testing and certification and on its technical documentation. The validity of this certificate based on an ongoing surveillance in accordance with Module C2 or D of Regulation (EU) 2016/425 by a Notified Body. For details see: [www.tuvsud.com/ps-cert](http://www.tuvsud.com/ps-cert)

**Test report no.:** 713303670

**Valid until:** 2028-06-25

**Date,** 2023-06-26



( Matthias Völz )

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## Parameters:

Function principle:	<p>The device is intended for jumping down from a structure, where by means of various ripcords a slag is possible what gives a free-fall in the beginning and then the descent is controlled by eddy current brake of the device.</p> <p>-when climbing tension in the auto belay device descent webbing line is given by the rewind system via retraction spring;          -when descending (or falling while climbing) auto belay device controls descent speed of a person by dissipating the potential energy in the eddy current brake; descending speed is not constant, at start the speed is higher than at landing; brake strength of eddy current brake is controlled by reaction springs of rotor blades, which are specific for each version.</p>
Construction:	<p>self-retracting automatic descender device with central axis and 2 parallel self-retractable descent webbing lines, activated by retraction spring; gear transmission to eddy current brake with 3 rotor arms, 6 reaction springs and 8 permanent magnets; central plate (aluminium) with primary and secondary mount and handle; 2 body casings (aluminium), screwed on central plate, with plastic covers; 2 webbing lines, 2 webbing line drums and one retraction spring with one retraction spring drum; 2 lower webbing lines with shackle (28,6mm x 19mm) attached to 2 upper webbing lines, replaceable by opening nozzles; 2 different ripcords for free-fall, which are attached between upper webbing lines and user.</p>
Descent webbing line:	<p>-QF150-12A: PA-webbing; 20,8 mm wide, 2,31 mm thick; guaranteed break strength: 17,7kN;          -QFXL150-20A: UHMWPE-webbing; 20,8 mm wide, 1,52 mm thick; guaranteed break strength: 15,5 kN;          Lower webbing line in device connected to drum and shackle; upper webbing line (replaceable by client) from shackle to webbing line connector RING OPEN; webbing line end outside device doubled and stitched, with end termination loop with 6 stitching bar tacks; webbing line end length (without connector), no. of stitching bartacks and color of end loop:          -QF150-12A: (12.5 m): 10,5 cm, yellow (low mount upper webbing);          -QF150-12A: (12.5 m): 10,5 cm, black (12 m upper webbing);          -QFXL150-20A (20 m): 10,5 cm, red (20 m upper webbing);</p>
Ripcords:	<p>Additional lanyard, which is fixed to the 2 upper webbing lines by 2 screwed RING OPEN connectors and fixed to the used by 2 directional connectors with triple lock gate. It includes a sewed energy absorber, which is protected by a zipper cover, and an elastic part, where the webbing is pulled together by elastic threads inside a tube webbing. There are 2 Ripcord versions:          1 M RC: blue webbing colour, full pull-out length 2.15 m, unloaded length: 1.85 m;          2 M RC: purple webbing colour; full pull-out length 3.23 m; unloaded length: 2,42 m;</p>

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Webbing connector:	2 directional EN 362-A/T connectors with automatic gate locking device (triple-lock); fixed into end loop of webbing lines;
Device measures:	415 mm x 320 mm x 275 mm;
Working load:	-QUICKFLIGHT, QF150-12A: min. 20 kg, max 130 kg ; -QUICKFLIGHT XL, QFXL150-20A: min. 20 kg, max 130 kg;
Min/max. permitted descending speed:	0.5-6 m/s; only with min. 2.5 m x 2.5 m fall protection ground in landing zone, suitable for falls of 3 m height (EN 1177).
Max. tested descent height:	measured from nozzle to ground: -QF150-12A (12,5 m) (low mount upper webbing, 1 m ripcord): 8,3 m; -QF150-12A (12,5 m) (12 m upper webbing, 1 m ripcord): 14,3 m; -QF150-12A (12,5 m) (12 m upper webbing, 2 m ripcord): 15,3 m; -QFXL150-20A (12,5 m) (20 m upper webbing, 1 m ripcord): 21,8 m; -QFXL150-20A (12,5 m) (20 m upper webbing, 2 m ripcord): 23,0 m;
Min. tested descent height:	measured from nozzle to ground: -QF150-12A (12,5 m) (low mount upper webbing, 1 m ripcord): 6,0 m; -QF150-12A (12,5 m) (12 m upper webbing, 1 m ripcord): 8,0 m; -QF150-12A (12,5 m) (12 m upper webbing, 2 m ripcord): 9,0 m; -QFXL150-20A (12,5 m) (20 m upper webbing, 1 m ripcord): 12,0 m; -QFXL150-20A (12,5 m) (20 m upper webbing, 2 m ripcord): 13,0 m;
Min. temperature:	-4°C; if kept dry: -10°C
Weight:	-QF150-12A: 254,46 kg (without Ripcord) -QFXL150-20A: 24,04 kg (without Ripcord) -1M RC: 0,922 kg -2M RC: 1,050 kg
Marking:	manufacturer address, model, CE-marking, "read instructions"-pictogram; serial no.; manufacturing date; in accordance with EN 341:2011-1A and EN 360: 2002; temperature range; min/ max mounting height; min/ max user weight; max descent rate: 2.0 m/s; on rope EN 341: manufacturing date; manufacturer;
Interchangeable components:	HRT0024-02 (RipCord-QF, QFXL); HRT0025-02 (Upper Webbing-QF, QFXL);



QUICKFLIGHT QF150-12A  
with 1 m RC



1M RC 2M RC

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Quickflight QF150-12A without Ripcord (from all sides)



2M RC (with open pocket of energy absorber)



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Quickflight QFXL150-20A



QFXL150-20A without side covers