



Product Service

# EU-Type Examination Certificate

No. P5A 089530 0006 Rev. 01

**Holder of Certificate:** **TruBlue LLC**  
**dba Head Rush Technologies**  
1835 38th Street  
Boulder CO 80301  
USA

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

**Model(s):**  
-TruBlue, TB150-12C (7.5m)  
-TruBlue, TB150-12C (12.5m)  
-TruBlue XL, TBXL150-20A  
-TruBlue Speed, TBSD150-20 (12.5m)  
-TruBlue Speed, TBSD150-20 (16m)

**Tested according to:** DIN EN 341:2011  
DIN EN 360:2002  
RFU PPE-R/11.128:2019

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.:** 713149138

**Valid until:** 2024-03-28

**Date,** 2020-09-28

( Matthias Völz )

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## Parameters:

Function principle:	<p>-when climbing tension in the auto belay device descent webbing line is given by the rewind system via rewind spring;</p> <p>-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> <p>TruBlue Speed has a redundant free-wheel and less heavy rotor components for better retraction performance (a.e. required for speed climbing competitions);</p>
Construction:	<p>self-retracting automatic descender device with central axis, self-retractable descent webbing line, activated by retraction spring, gear transmission to eddy current brake with 3 rotor arms and permanent magnets; central plate (aluminium) with primary and secondary mount and handle; 2 body casings (aluminium), screwed on central plate, with plastic covers; webbing line drum and retraction spring drum; lower webbing line with shackle (28,6mm x 19mm) replaceable by opening nozzle;</p>
Descent webbing line:	<p>-TruBlue,: PA-webbing; 20,8 mm wide, 2,31 mm thick; guaranteed break strength: 17,7kN;</p> <p>-TruBlue XL; TruBlue Speed: UHMWPE-webbing; 20,8 mm wide, 1,52 mm thick; guaranteed break strength: 15,5 kN;</p> <p>Upper webbing line in device connected to drum and shackle; lower webbing line (replaceable by client) from shackle to webbing line connector; webbing line end outside device doubled and stitched, with end termination loop with 6 stitching bars; webbing line end length (without connector) and color:</p> <p>-TruBlue, TB150-12C (7.5m): 40 cm, red;</p> <p>-TruBlue, TB150-12C (12.5m): 40 cm, blue;</p> <p>-TruBlue XL, TBXL150-20A: 40 cm, purple;</p> <p>-TruBlue Speed, TBSD150-20 (12.5m): 70 cm, black;</p> <p>-TruBlue Speed, TBSD150-20 (16m): 70 cm, blue;</p>
Webbing connector:	<p>directional EN 362-A/T connector with automatic gate locking device (triple-lock) and swivel; stitched into end loop of webbing line;</p>
Device measures:	<p>380 mm x 320 mm x 216 mm;</p>
Working load:	<p>-TruBlue, TB150-12C (7.5m): min: 10 kg; max: 150 kg;</p> <p>-TruBlue, TB150-12C (12.5m): min: 10 kg; max: 150 kg;</p> <p>-TruBlue XL, TBXL150-20A: min: 10 kg; max: 136 kg;</p> <p>-TruBlue Speed, TBSD150-20 (12.5m): min: 10 kg; max: 136 kg;</p> <p>-TruBlue Speed, TBSD150-20 (16m): min: 10 kg; max: 136 kg;</p>

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Min/max. permitted descending speed:	0.5-2 m/s;
Max. tested descent height:	measured from nozzle to ground: -TruBlue, TB150-12C (7.5m): 7.5 m; -TruBlue, TB150-12C (12.5m): 12.5 m; -TruBlue XL, TBXL150-20A: 20.0 m; -TruBlue Speed, TBSD150-20 (12.5m): 12.5 m; -TruBlue Speed, TBSD150-20 (16m): 16.0 m;
Min. tested descent height:	measured from nozzle to ground: -TruBlue, TB150-12C (7.5m): 3.5 m; -TruBlue, TB150-12C (12.5m): 7.5 m; -TruBlue XL, TBXL150-20A: 12.0 m; -TruBlue Speed, TBSD150-20 (12.5m): 7.5 m; -TruBlue Speed, TBSD150-20 (16m): min: 12.0 m;
Min. temperature:	-4°C; if kept dry: -10°C
Weight:	-TruBlue, TB150-12C (7.5m): 20.057 kg (steel-connector); -TruBlue, TB150-12C (12.5m): not measured; -TruBlue XL, TBXL150-20A: 21.244 kg (Alu-connector); -TruBlue Speed, TBSD150-20 (12.5m): not measured; -TruBlue Speed, TBSD150-20 (16m): 19.592 kg (Alu-connector);
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;



TruBlue



TruBlue XL



TruBlue Speed