



Product Service

EU-Type Examination Certificate

No. P5A 089530 0018 Rev. 01

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): **-TRUBLUE iQ, TBiQ-LT (12.5m)**
-TRUBLUE iQ, TBiQ-XL (20m)

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

Test report no.: 713350049-2

Valid from: 2025-04-01

Valid until: 2028-06-25

Date, 2025-04-01

(Volker Kron)

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Parameters:

Previous EU-Type Examination Certificate:	P5A 089530 0018 Rev.00
Previous Technical Report:	713303670
Models:	Auto Belay Devices in accordance with EN 341-1A (with 10 x descent energy test for class 1A), and in accordance with EN 360 and RFU PPE-R/ 11.128, V2: 2020, models -TRUBLUE iQ, TBIQ-LT (12.5m) -TRUBLUE iQ, TBIQ-XL (20m)
Function principle:	-when climbing tension in the auto belay device descent webbing line is given by the rewind system via rewind 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.
Construction:	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; planet carrier which holds the gear train; spring hub plate that holds the retraction spring; 2 body casings (aluminium), one half with primary and secondary mount and handle; with plastic covers; lower webbing line with shackle (37,5 mm x 21,2 mm, Ø6,3 mm pin) replaceable by opening nozzle; TruBlue iQ, TBIQ-LT (12.5m) and TruBlue iQ, TBIQ-XL (20m) differ only in descent webbing line length and retraction spring length;
Descent webbing line:	Polyamide/ UHMWPE-webbing; 25,4 mm wide, 1,91 mm thick; guaranteed break strength: 17,8 kN; 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; abrasion protection by tube webbing; -TruBlue iQ, TBIQ-LT (12.5m): 12,5 m label -TruBlue iQ, TBIQ-XL (20m): 20 m label;
Webbing connector:	TRU LOCK aluminium swivel carabiner; directional EN 362-A/T connector with automatic gate locking device (triple-lock) and swivel; stitched into end loop of webbing line; alternatively other EN 362 certified triple action swiveling connectors;

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Alternative construction of lower webbing line and connector:	TRU-CLIP Handgrip Subassembly (made of key link 13140; TRU-CLIP connector; 25,4mm wide and 1,91mm thick PA/UHMWPE-webbing; swivel S-2333B) stitched to already approved lower webbing line(s) outside the device (the alternative lower webbing line is also replaceable by client from shackle to webbing line connector); webbing line end outside device doubled and stitched to swivel with end termination loop with 6 stitching bars; TRU-CLIP Handgrip Subassembly webbing is 3-layers stitched with 6 stitching bar to other end of swivel where webbing is made of 4-layers; webbing line end length (incl. TRU-CLIP Handgrip Subassembly) outside device: 73,7cm;
Device measures:	369 mm x 292 mm x 201 mm;
Working load:	-TruBlue iQ, TBiQ-LT (12.5m): min: 10 kg; max: 140 kg; -TruBlue iQ, TBiQ-XL (20m): min: 10 kg; max: 140 kg;
Min/max. permitted descending speed:	0.5-2 m/s;
Max. tested descent height:	measured from nozzle to ground: -TruBlue iQ, TBiQ-LT (12.5m): 12,5 m -TruBlue iQ, TBiQ-XL (20m): 20 m
Min. tested descent height:	measured from nozzle to ground: -TruBlue iQ, TBiQ-LT (12.5m): 4,5 m -TruBlue iQ, TBiQ-XL (20m): 12,0 m
Min. temperature:	-4°C; if kept dry: -10°C
Weight:	-TruBlue iQ, TBiQ-LT (12.5m): 15,9 kg -TruBlue iQ, TBiQ-XL (20m): 19,0 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; length;
Interchangeable components:	HRT0050-04 (TBiQ-Webbing-12,5m); HRT0051-05 (TBiQ-Webbing-20m);

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TRU-CLIP Handgrip Subassembly connected to lower webbing line of models TruBlue iQ:

