

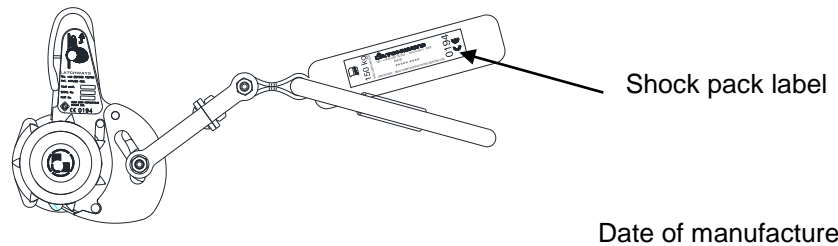
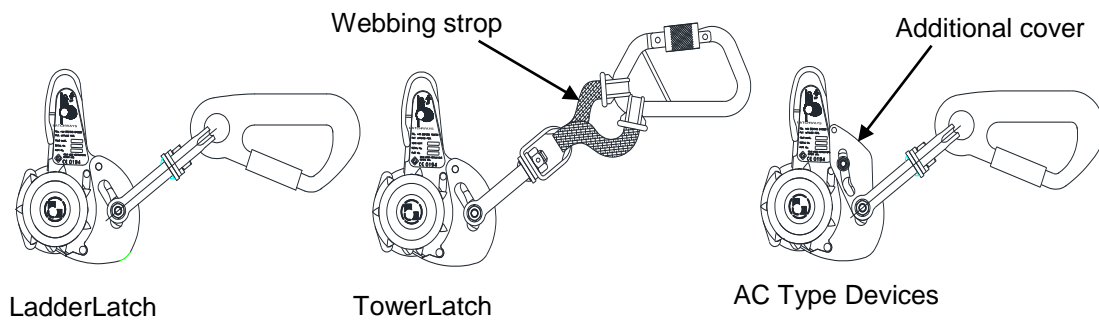
ManSafe® Standard Vertical Components Vertical Devices



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IDENTIFICATION OF DEVICE TYPE (Part number is to be found on the device label)

Part No.	Device type
35429-00	TowerLatch SP Device
3100L-00T	LadderLatch Device
3100L-00AC	LadderLatch AC Device
3102L-00	TowerLatch Device
3102L-00AC	TowerLatch AC Device
3103L-00	LadderLatch Device (Canada)
3104L-00	LadderLatch Device (USA)
3105L-00	TowerLatch Device (USA)



WARNING!

ONLY TOWERLATCH SP DEVICES THAT SHOW THE ABOVE LABEL ARE SUITABLE FOR USERS UP TO 150kg (330 lbs) ALL OTHER TOWERLATCH SP DEVICES THAT DO NOT HAVE THE ABOVE LABEL ARE ONLY SUITABLE FOR USERS UP TO 100kg (220 lbs)

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Materials

Cast components	17/4 ph stainless steel
Moulded components:	Starwheel buffer & slipper pad--nylon 6
Release catch cover	abs
Swivel	316s stainless steel
Twist-loc karabiner	aluminium (black anodised) or steel (zinc plated)
All other mechanical components	stainless steel
Low friction coating	P.T.F.E

Strength

Capable of sustaining > 16 kN dynamic loads at the attachment point

Quality controls

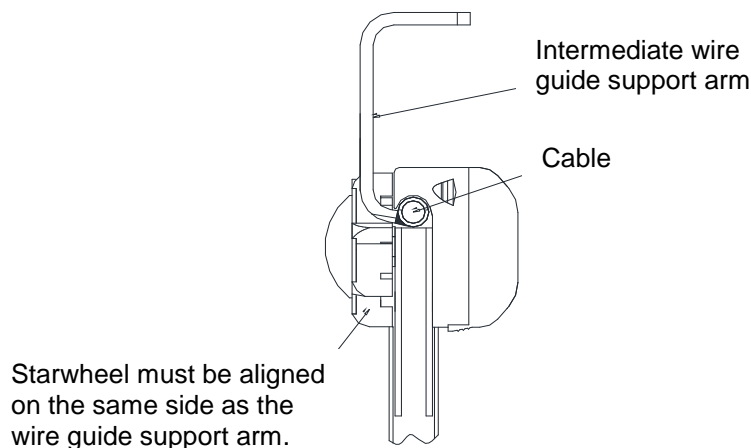
100% dye penetrant & X-ray examination of cast components
 100% low force dynamic arrest check
 100% functional test
 Batch conformance test – minimum dynamic strength > 16 kN

Approvals

BS EN353.1, ANSI Z359.1-2007, CSA Z259.2.1 & AS/NZ 1891.4.

Notes

1. The Latchways vertical devices are normally used on vertical Mansafe® systems, but may be used on horizontal sections if the appropriate brackets are incorporated (refer to data sheets 30016-98 & 30019-98).
2. Unless otherwise stated all TowerLatch and LadderLatch devices are suitable for users up to 150 kg (330 lbs).
3. Should only be used on systems with all wire guides correspondingly handed as shown below.



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4. Only 8mm / 5/16" 1x19 construction stainless steel construction cable falling in the limits 7.92mm to 8.32mm (0.312" to 0.327") should be used.
5. 3100, 3102, 3103, 3104 & 3105-00 type devices must only be used on Vertical Mansafe systems which include a vertical energy absorber at the top anchorage point.
6. Attach karabiner directly to harness front connection point. Do not increase the supplied connector length by interlocking additional karabiners.
7. Only 1 person should be attached to Latchways vertical device.
8. Latchways vertical GTFAs shall be examined at least every 12 months. Local requirements, frequency of use or environmental conditions may dictate more frequent examinations. Examinations shall only be conducted by a Latchways trained Technician in accordance with *Vertical Devices - Instructions for periodic examination, repair and recertification*.

All webbing components of Latchways vertical GTFAs (webbing strop and energy absorber on TowerLatch and TowerLatch SP devices) have a maximum lifespan of 10 years from the date of manufacture. This is subject to passing periodic examinations.

ISC branded karabiners have an unlimited lifespan, all other karabiners have a maximum lifespan of 10 years from the date of manufacture. This is subject to passing periodic examinations.

The date of first use must be administratively provable. Where the date of first use is NOT known, the next previous provable date must be used, e.g, date of purchase/date of manufacture of the device.

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