



DATE: 12 July 2017

SUBJECT: QUICKjump XL 3m RipCord notification

Head Rush was recently made aware of an incident in the Netherlands involving a QUICKjump XL with the 3 Meter RipCord. Based on preliminary information, a jumper experienced a fall of approximately 7-10 meters that resulted in injury. Our thoughts go out to the injured party, and we are thankful to hear that the injury is not life threatening.

The investigation into this incident is just beginning. There are many facts that are not known, and we will work diligently with everyone involved to find out what occurred.

Out of an abundance of caution Head Rush Technologies is issuing a **STOP USE for all QUICKjump XL 3m RipCord devices** until a thorough investigation can be completed and a root cause is determined. This STOP USE does **NOT** affect any other any other QUICKjump XL unit (QUICKjump XL devices without a RipCord and with a 1.5m RipCord are not affected) or any other Head Rush device. Following the completion of the investigation, Head Rush Technologies will issue further information regarding return to service, required inspection, or modifications.

In an effort to minimize the impact on normal business operations, Head Rush Technologies will provide, at no charge, 1.5m RipCords upon request that can be used to replace a 3m RipCord and keep a device in service. The 1.5m RipCord with the QUICKjump XL has a larger factor of safety than the 3m RipCord due to the dynamics of the amount of free fall. If you would like to request a 1.5m RipCord to replace your current 3m RipCord, please contact Head Rush Customer service at +1 720 565 6885 or email info@headrushtech.com. NOTE: The maximum mounting height of the QUICKjump XL 1.5m RipCord is 21.8 Meters (71.5 feet) from nozzle to ground. If your mounting height does not allow changing to the 1.5 m RipCord, please contact Head Rush to discuss options.

All Head Rush devices are designed with a considerable factor of safety that mitigates risk when used as outlined in the Product Manual. It is essential that the QUICKjump is installed and operated within the parameters outlined in the Manual. This includes proper mounting heights, proper distances between the jump platform and device, routine and thorough webbing inspection, and guided participant behavior to prevent acrobatics or other dynamic jumping situations*.

We will share more information as it becomes available.

Sincerely,

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* Head Rush Technologies is confident in the design of the QUICKjump XL device, which complies with the prevailing *ASTM F2291-11: Standard Practice for Design of Amusement Rides and Devices* safety regulations. The Nylon/Dynema/Technora webbings used in the QUICKjump XL does not break under a singular load impact when used within approved operating conditions. These webbings are rated at 15.5kN for the QUICKjump XL, which equate to a breaking strengths of 3,500 lbs (1,632 kg). Conversely, the heaviest allowable participant (130 kg) on a QUICKjump XL falling the maximum distance generates significantly smaller loads. Due to this built-in strength, a majority of the longitudinal fibers would have to be missing or severely damaged to allow failure at the largest allowable impact load. In addition, all QUICKjump devices employ a secondary load dissipating device (the Overload Protection Assembly, or OPA), which provides Head Rush devices with another level of protection.

The QUICKjump line of products requires daily, weekly, and six month inspections, as well as routine maintenance and normal replacement of service items and wearing parts such as the nozzle, webbing line, and carabiner. All QUICKjump products also require a yearly recertification. At no time should the yearly recertification be substituted for the daily, weekly or six month inspections. The purpose of these inspections is to evaluate any wear, damage or tampering with the device. Webbing inspections/integrity is a key responsibility of the operator, and the webbing should be replaced immediately when excess wear is found. Webbing is a field-replaceable item, and instructions for inspection and replacement are available in the Product manual.

It is important to always mount the QUICKjump within 15° of vertical, with the nozzle pointing downward and with the webbing line exiting the bottom of the device. It is critical that all webbing retraction procedures are followed and the webbing is fully retracted within the device before a participant jumps. All descent paths and connection points must be free of sharp edges and high friction surfaces that may damage the webbing line. Participants, when ready to descend, should step straight down off the platform and always descend feet first. Acrobatics or inversions (flips, dives, etc.) are not permitted when using the QUICKjump device.

The Overload Protection Assembly (OPA) is a critical component of the QUICKjump webbing line. It should never be modified or prevented from proper deployment. The OPA must be inspected daily to assure the assembly is contained and has not been deployed. Additionally, a weekly inspection of the interior condition of the Overload Protection Assembly (OPA) is required. The OPA jacket must be opened and the entire assembly checked to make sure that no threads are broken and that the webbing is in good condition. If any broken threads are found, the webbing line must be replaced immediately. Required inspection of the OPA dictates that no objects such as tape or webbings should be wrapped around this critical component.