

Products & Practice

Pure Safety Group Series 3 and Series 5 Harnesses

Pure Safety Group (PSG) introduced its Series 3 and Series 5 full-body fall protection harnesses. The harnesses meet OSHA standards and exceed ANSI standards. CSA certification is pending. The capacity of each harness is 130 to 420 lb (58 to 190 kg). Each harness features a captive chest strap that prevents improper adjustment and accidental slippage, rubber web ends that fold over and protect the harnesses against damage, and dual lanyard keepers for safe storage of unused lanyard legs. Each harness also has a loop for attachment of a dual self-retracting lifeline connector, freeing up the D-ring for other attachments, and each is available with an optional heavy-duty waist pad and belt to accommodate tools. The Series 5 offers ultimate comfort, with a cam buckle torso for advanced adjustments, leg padding, durable upgraded shoulder pads, and an ergonomic waist pad. It has a retractable label cover and rubber impact indicators. The Series 5 harness also features trauma relief straps that reduce the effects of suspension trauma in the event of a fall.



—Pure Safety Group, www.puresafetygroup.com

Fully-Automatic .27 Caliber Powder-Actuated Tool

The Fully-Automatic .27 Caliber Powder-Actuated Tool (DFD270) from DEWALT® is powered by a standard .27 caliber load safety strip. It drives 0.3 in. (8 mm) head fasteners in lengths from 1/2 to 2-7/8 in. (13 to 73 mm), as well as 1/4 in. (6 mm) threaded studs, and features automatic piston return and load indexing between fastenings, making it ideal for high-capacity commercial applications. The tool is available in two configurations: single shot kit (DFD270SK) and magazine and single shot kit (DFD270MK). Both configurations include a spall guard and cleaning kit, and they are both housed in a rugged kit box. Their nose pieces can be rotated and interchanged tool-free. The DFD270 also disassembles tool-free for easy cleaning and servicing on-site. It comes equipped with an integrated utility hook and rubber over-mold.



—DEWALT, www.dewalt.com

R250 Concrete Edge Grinder

At 55 kg (121 lb), the upgraded R250 Concrete Edge Grinder from Ronlon is a lightweight single-head grinder suitable for working in small areas. It has a 250 mm (10 in.) grinding disk, offers comfortable handling with a 180-degree forward or backward adjustable handle, and can be connected to a vacuum cleaner for dust-free work. R250 grinders have single-phase motors configured for either 110V or 200 to 240V AC power.

—Ronlon Floor System, www.ronlonfloorsystem.com



SVL65-2 Compact Track Loader

Kubota Tractor Corporation's new SVL65-2 compact track loader features on/off self-leveling capability. It also features an advanced multifunction valve (AMV valve) that provides smooth operation when using simultaneous functions, such as auxiliary, boom, and bucket circuits. With the AMV valve, the SVL65-2 makes running any attachment that uses auxiliary hydraulics easier, especially attachments such as grapple buckets, four-in-one buckets, and hydraulic augers. This track loader is powered by a 68 hp engine and has an operating capacity of 2100 lb (952 kg) at 35% of the tipping load, a reach of 35 in. (887 mm), and a hinge pin height of 118.5 in. (3010 mm). The SVL65-2 has an easy-open sliding front door that can be opened regardless of the position of the bucket or loader arm, and full machine operation is possible with the door open.

—Kubota Tractor Corporation, www.kubotausa.com

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Gripple Spider

The Gripple Spider is an all-in-one concrete insert that eliminates the need for traditional cast-in-place devices. Suitable for use in both metal deck and wood form construction, the Spider is installed prior to concrete placement, providing a universal solution suitable for a wide range of threaded rod and cable hanger sizes. A lower profile than alternative products reduces the chance of damage, and a maximum load weight of 3000 lb (1361 kg) makes it suitable for services such as lighting but strong enough for more heavy-duty applications. The universal design gives the freedom to introduce rod and cable of different sizes after fitting. This latest model is resistant to vibration, so pipeline and HVAC services remain secure and stable.

—Gripple, www.gripple.com



Brokk 200

Brokk, a manufacturer of remote-controlled demolition machines, introduced the Brokk 200, a new weight class of machine that is ideal for heavy-duty, difficult-to-access projects and applications. The Brokk 200 comes equipped with Brokk's signature SmartConcept™ technology for increased efficiency. The 27.5 kW machine operates tools with requirements typical of one weight class above. It delivers 450 ft-lb (610 J) with each blow of a 650 lb (295 kg) hydraulic breaker. In addition to its heightened power, the Brokk 200 offers 15% longer vertical and horizontal reach in a compact footprint. The extra chassis length and machine weight ensure proper balance, even when wielding heavy attachments such as breakers, drum cutters, grapples, and concrete crushers.

—Brokk, www.brokk.com

21LC1050 Flat-Top Crane

The 21LC1050 flat-top crane from COMANSA can load up to 50 tonnes (55 tons), has a maximum radius of 80 m (262 ft), and was designed to provide great performance in large industrial or infrastructure projects as well as in construction with heavy precast or steel structures. This crane features high-speed hoist mechanisms (up to 300 m [984 ft] per minute) and capacity for 1570 m (5151 ft) of wire rope. Thanks to the single-double trolley system with automatic reeving change, the 21LC1050 crane always has an optimized load diagram. Working with the simple (or front) trolley, the crane improves its tip loading capacity and reaches higher hoist speeds. With the double trolley (front plus rear), the crane can work with the heaviest loads. A new modular counterjib designed for this crane allows up to six different configurations to adapt the crane to the needs of each job and increase safety. The 21LC1050 features the new CUBE cab in its XL size, the largest offered by COMANSA.

—COMANSA, www.comansa.com



RectorSeal Metacaulk Cast-in-Place Device

The RectorSeal® Metacaulk® Cast-in-Place Device (CID) is used for firestopping plumbing, electrical conduit, and cabling penetrations through concrete floors. The CID features an internal Metacaulk intumescent firestop ring that swells during a fire, fills the void of the CID opening, and blocks flame/smoke from infiltrating through the floor for protection of occupants and property.



The CID carries Underwriters Laboratory (UL) approval to UL 1479 for an F-rating of up to 3 hours and temperatures reaching a minimum of 1800°F (982°C). The CID was tested in accordance with UL 1479 and ASTM E814 and is compliant with the International Building Code (IBC).

—RectorSeal, www.rectorseal.com

Products & Service Literature & Videos

2019 FMI Overview

FMI Corporation released its “2019 FMI Overview,” featuring FMI’s latest forecast, the 2019 U.S. and Canada Construction Outlook. The publication offers comprehensive construction forecasts for a broad range of market segments and geographies in the United States and Canada and provides insights from FMI executives on how to navigate the next 12 months.

—FMI Corporation, www.fminet.com

Web Notes

B2W Inform E-Forms

B2W Software expanded its B2W Inform solution for e-forms and reporting with a complimentary library of user-ready templates. The templates allow contractors to replace paper forms with highly customized electronic forms for critical safety, inspection, human resources, and other enterprise data capture and reporting needs. The library provides customizable templates for capturing important operational data and reporting it in real time. B2W Inform’s drag-and-drop authoring tools enable administrators to easily customize core templates and make them instantly available to office and jobsite staff via a secure, cloud-based platform. Features include built-in approval workflows, data binding of form fields to a central database, and the ability to capture rich data such as e-signatures, images, videos, time stamps, and GPS locations. These e-forms can also deliver immediate alerts within the program or by text or e-mail based on how a form field is completed.

—B2W Software, www.b2wsoftware.com

Book Notes

Concrete Buildings in Seismic Regions, Second Edition by George G. Penelis and Gregory G. Penelis

Concrete Buildings in Seismic Regions covers analysis and design issues related to reinforced concrete buildings under seismic action. It outlines appropriate structural systems for many types of buildings, explores recent developments, and covers the last two decades of developments in earthquake engineering. This revised edition provides new coverage of seismic isolation and passive devices, reviews recent code modifications, and discusses future standards developments. It retains previous coverage of structural dynamics, post-earthquake damage evaluation, pre-earthquake assessment of buildings, retrofitting procedures, and several numerical examples.

\$165.75; 801 pp.; ISBN: 9781138106871

—CRC Press, www.crcpress.com