

# Drilling from booms



*The Skyreach drill attachment in action*

Australian rental company Skyreach has developed a new drilling attachment for use on its boom lifts. The system incorporates a box truss frame to which the drill and linear bearings attach. This pivots through an arc of zero to 45 degrees to allow the drillers to operate through a range of motion most suited to the work site, and specifically rock faces.

A series of bearings fitted with custom made springs are attached to the 25mm shafts to absorb the side loadings generated by the air driven impact drill, which effectively prevent the energy transferring back to the platform or boom. In order to retain the standard weight and size of the boom lift's platform it was completely reconstructed using aluminium.

The company says that the compact attachment has been purpose engineered, thoroughly developed and tested to overcome problems experienced with boom



*The compact drill attachment point*

lifts when used for drilling, which include side loads and excessive weight on the platform causing excessive damage.

Currently available on the company's 86ft boom lifts the company said it is planning to adapt the drilling attachment for use on its 135ft boom lifts.

## McKissick Split-Nut system

US hook block and lifting equipment company McKissick, part of the Crosby Group, has introduced a patented Split-Nut Retention System for the easy removal and inspection of hooks on its McKissick Easy Reeve crane blocks up to 100 tons.



*Crosby's Split-Nut Retention System with its vinyl cover removed*

The system complies with all conditions required by ASME B30, CSA Z150 and other crane standards for easy inspection of hook block components, as well as eliminating common issues of corroded nuts or threads. In order to remove the hook for inspection, the block is placed in a position that allows the shank end of the hook to be exposed. The protective vinyl cover is then removed, followed by the retaining and keeper rings. Once this is done the split nut halves can be removed, freeing the hook for removal from the block's trunnion.

The system, which is available in a variety of configurations as well as for retrofit to bridge crane blocks, 80 Series tubing blocks and larger hook blocks on request, allows for repeated installation and removal without the risk of damage and its zinc plated finish helps reduce or eliminate corrosion.



*Axtec's latest Dynamic Series 5000 weighbridge*

## Axtec weighbridge

UK axle weighing system manufacturer Axtec has launched a new version of its Dynamic axle weighbridge. Compatible with existing Axtec software the Series 5000 is designed to provide a digital readout of individual axles, or the entire gross weight for all vehicle types up to 30 tonnes.

Measuring three metres wide and embedded into a prefabricated pit, vehicles can be weighed whilst travelling at speeds of less than

2.5mph up to 30mph - which removes any inaccurate readings that are caused by stopping and starting on compensating axles. Features include a 300 percent overload rating, the latest high speed processors for greater accuracy as well as a touch screen display and wireless technology. Additional options include manual or automatic vehicle identification, extra displays and internal or external printers.

## Self-cleaning lens camera

Dutch safety camera system specialist Orlaco has introduced the AMOS 118° ATVC (All Time Vision Camera) - which features an in-built self-cleaning lens system.



*Orlaco's ATVC camera*

The camera is encased in a 360 degree rotatable glass tube powered by a step motor which, once activated, rotates against a rubber wiper. A small nozzle attached to a water hose within the casing also sprays water or wiper fluid on the glass tube to help remove any dirt or dust. Adjusting the position of the camera is a simple process which involves removing the casing before rotating the camera into the desired position, within 74 degrees from horizontal. With the cover removed the wiper can also be

easily replaced. With an operating temperature range from -40 to 85 degree Celsius the camera is shock and vibration resistant for usage on trucks and cranes.

The camera can either be purchased separately or as part of a system and installed by the customer or by Orlaco technicians. The full system comprises of the ATVC camera, a I/O control box with necessary wiring, a six litre reservoir, water hosing up to 11 metres in length and a monitor.

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