

BEST PRACTICE

LOCATION:	Road transport	ARTICLE YEAR:	2012
ACTIVITY:	Maintenance & Housekeeping	COMPANY:	Hanson UK
SUB ACTIVITY:	N/A	COMPANY LOCATION:	Hanson Concrete
BEST PRACTICE No:	BP816	COMPANY TEL:	01628 774100
COUNTRY OF ORIGIN:	United Kingdom		

TITLE



Run Video

The Maxi QRM (Quick Release Manhole) Hatch - Safe access to mixer drums

ARTICLE

DESCRIPTION

Hanson has developed a safe and efficient solution for the perennial problem of cleaning the inside of a concrete mixer truck drum.

The Maxi hatch with an integral access and egress platform was developed by Hanson's in-house team working with manufacturers McPhee. It will form part of the standard specification for the company's truck mixers and will be retro-fitted to the existing fleet over the next 18 months.

The system replaces the need to access via the "pig's ear" (circa 12' above ground) or via the narrow, side inspection manholes.

A wide, hinged door has been fitted in place of the inspection cover. The door has an integral locking device and a rubber seal to ensure a watertight fit. In addition, an access and egress platform has been designed and fitted which allows easy access and egress for operators to enter and clean or inspect the inside of the drum. The platform ensures three points of contact due to its unique design with handrails, stable platform and collapsible ladder. A truck mixer can be cleaned out on any agreed site instead of only those with an approved platform gantry. The new hatch can also accommodate a stretcher in the event of a rescue.

BENEFITS

- Entering the mixer drum is much safer
- Operators can maintain three points of contact
- Removes risks associated with working at height
- Easy man recovery
- Clean out and inspection can be done quickly and easily at any site
- The hatch and access platform can be retro-fitted to existing mixers at a minimal cost.

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