Purpose-Built Storage Boxes for $100K Crankshafts

CHALLENGE

Crankshafts are critical engine components for mining mobile plant operations. They must stay in optimum condition and be available at short notice. With individual crankshafts costing our client up to $100,000, protecting them throughout storage and handling was vital to keep the mobile plant operations moving.



VARIOUS TYPES OF CRANKSHAFTS

The crankshafts were used in three CAT engine types: the C175-16, 3516 and 3512. The solution needed to do more than hold them. It had to protect them from the elements, suit different component configurations and make day-to-day handling easier for workshop teams.

Damage to a crankshaft costs more than repair or replacement. It causes operational delays that can spiral into significant production losses, with thousands of tonnes of production capacity at a standstill each day the machinery is down. The existing boxes were breaking down, made poor use of storage space and raised transport and CoR compliance issues. A compliant, durable and stackable solution was required.

$100K Cost of a single crankshaft	**3** CAT crankshaft types suitable for the storage box	**up to 50%** More floor space, stacked two high

CUSTOM CRANKSHAFT SOLUTIONS

DAYWALK designed and supplied purpose-built crankshaft boxes to give these high-value components dedicated protection. Adjustable features let the same box be configured for each crankshaft type, and the design was engineered around the practical needs of a high-volume mining workshop.

CRANKSHAFT BOX FEATURES

- **Adjustable** to fit C175-16, 3516 and 3512 CAT crankshafts
- **Full weather protection** for high-value components in storage
- **2-high stackable**, cutting storage floor space by up to 50%
- **Forkliftable from two sides** for flexible handling and positioning
- **Pallet jack access** so teams can move boxes where needed
- **Purpose-built** to cut damage risk in storage and handling



Before: the old frame needed more protection and better use of space



After: complete protection in a stackable DAYWALK box

Keep Moving

CONTACT US

When a component can cost $100,000 to replace, and damage can knock on to productivity, protecting it is essential. DAYWALK engineers smarter transport and storage equipment to prevent damage, improve efficiency and keep critical equipment moving. Talk to us about your crankshafts and other components today.

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