



WORKSHOP PITS

Fabricated in Australia to endure our harsh environmental conditions while meeting the demands of our mining and transport industry. Workshop pits allow for better access, efficiency and operator safety.

- ✓ Australian Made
- ✓ Customisable design
- ✓ Improve workplace efficiency
- ✓ Reduce workplace hazards
- ✓ Easy installation
- ✓ AS/NZ Compliant



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ELEVATED PLATFORM

The elevated platform design is powered by a hydraulic system and controlled by a hand-held remote transmitter. The platform also acts as a pit safety cover. The hydraulic system allows an infinite adjustment to the platform height within the pit.

Advantages

- Acts as a workshop pit cover at FFL reducing workplace hazards
- Easily maintained and repaired by workshop staff
- Enables multi-level working with the ability to take tool boxes in and out of the pit
- Designed and Built in Australia for Australian conditions.



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ADVANTAGES

Increased Efficiency & Productivity

- Quick access to vehicle undercarriage.
- Variable height adjustment to suit undercarriage of any vehicle and mechanic.
- Reduces fleet downtime as service crew can access vehicle at different levels at the same time.
- Platform adjusts quickly to ideal height using hand-held remote transmitter while working.
- Tool boxes and equipment can accompany mechanic on the platform.
- Suits any fleet types including those with large variation in vehicle type, size and height e.g forklifts, lawn mowers, dump trucks, mining machinery, road trains hitched with trailers and more.

Reduces Workplace Hazards

- Pit safely covered at ground level when not in use.
- No obstructive equipment for platform operation, reducing trip hazards.
- No jacks or stands required eliminating collapse hazards.
- Heavy and awkward machinery stays safely on the ground.
- Multiple safety features within the cabling, hydraulic and electrical systems.

Cost Efficient

- Low maintenance with readily available components.
- Simple to operate with minimal training.
- No certification required for in-house maintenance.
- Long life asset, very economical to recondition.
- Easily maintained and repaired by workshop staff



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TECHNICAL SPECIFICATION

The EWP is based on a hydraulic-driven cable suspension system. Each EWP is custom-designed and engineer-certified.

EWP Safe Working Load (SWL): 900kg standard, upgrades available if required.

Platform Flooring: steel flat plate or grated material.

Platform Frame Height: standard 200mm/slimline125mm.

Fabricated Components: all surface treated.

EWP Travel Time Unloaded (approx): 15 secs up/20 secs down.

Personnel Access Panels: 2 in platform floor to access pit base under EWP.

Access Ladders: 2 swing-down ladders, built into underside of platform frame.

Ventilation Fans: 2 installed into platform floor, auto activation/deactivation. Meets AS/NZS2430.3.2.2004 Classifications of Hazardous Areas, Class 1 Zone 2.

EWP Voltage in pit: 24V.

Electrical Control Panel: 415V 3kW includes radio remote receiver, emergency stop, isolation switch, alternate controls for EWP.

Auto-Activated Switch Circuit (activated by EWP): 3 relays available as standard. Utilise for lighting, ventilation fan etc.

Hydraulic Pump: 415V 3kW positioned next to control panel.

Hand-Held Radio Transmitter: Planna NBB (AS Category III, powered by 2 x AA batteries) or TeleRadio (AS Category II, powered by 3 x AAA batteries)

MAINTENANCE

Personnel access panel in platform with built-in drop-down ladder which also acts as a safety prop. In-house maintenance scheduling and manuals are supplied with parts readily available from electrical, hydraulic and lifting gear suppliers.



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SAFETY FEATURES

Electrical

The circuitry is designed and built to Australian Standards Category III AS4024 which dictates high-quality components and emergency deactivation.

Hydraulic

The counter-balance valve on the hydraulic ram prevents the platform from descending should a hydraulic hose fail. This valve also prevents any hydraulic creeping.

Safe Working Load (SWL)

If the platform SWL is exceeded, a controlled gradual descent of the platform is initiated to a height more appropriate to the load.

Platform support cables

Should one of the support cables fail, the remaining cables are able to support the platform load as each cable is break-test rated to a load capacity 5 times that of the total MRC.

Activation of platform

The accidental activation of the platform is prevented due to the dual control circuitry (2 switches need to be pressed and held simultaneously).

Platform obstructions

- (1) Rope tension switches activate if any restriction is detected during platform descent e.g. objects in pit base.
- (2) Photoelectric sensors detect the presence of objects protruding past platform edge during ascent (**optional**).

Radio interference

If any radio interference is detected, the transmitter and receiver will automatically switch radio channels (AS CAT III remote) or deactivate the platform (AS CAT II remote).

Alarms

Two (2) alarms are activated when the hydraulic platform system is in use; an audible alarm and a flashing light.

All systems need to be operational for the platform to move.



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