THE **SAFE D LOCK** JACK IS A REVOLUTIONARY DESIGN WITH THE OPERATORS’ SAFETY PARAMOUNT. IT IS A LIFTING JACK AND RATED VEHICLE JACK STAND FOR HEAVY MINING VEHICLES.

Australian designed and built to meet AS/NZS 2693:2007 standard for vehicle jacks, it also meets AS/NZS 2538:2004 standard for vehicle support stands. The jack uses patented oil-bathed internal locking quadrants that are constantly energised during the lifting process to give a fail safe operation. This locking mechanism automatically engages in the unlikely event of a hydraulic failure. The Safe D Lock jack is compact and portable and is the perfect choice for the workshop or service vehicle.

**Model Number** | **Jack Capacity** | **Cylinder Effective Area (cm²)** | **Collapsed Height (mm)** | **Stroke (mm)** | **Maximum Lift Height (mm)** | **Weight (kg)** | **Oil Tank Capacity (L)**
---|---|---|---|---|---|---|---
SDL-07068 | 70 77 686 | 143 | 680 | 404 | 1,408 | 290 | 24
SDL-07081 | 70 77 686 | 143 | 812 | 535 | 1,680 | 320 | 24
SDL-10068 | 100 110 980 | 143 | 680 | 404 | 1,408 | 290 | 24
SDL-10081 | 100 110 980 | 143 | 812 | 535 | 1,680 | 320 | 24
SDL-15068 | 135 150 1,324 | 254 | 680 | 400 | 1,408 | 420 | 24
SDL-15096 | 135 150 1,324 | 254 | 960 | 685 | 1,680 | 460 | 24
SDL-20068 | 181 200 1,781 | 254 | 680 | 400 | 1,408 | 420 | 24
SDL-20096 | 181 200 1,781 | 254 | 960 | 685 | 1,680 | 460 | 24

* Nominal Cylinder Capacity in ton - see kN values for actual capacity ** Includes load cap height of 22 mm *** Maximum lift height for AS/NZS 2538:2004 Vehicle Support Stand Rating
HYDRAULIC SYSTEM
is powered by a Gast® 3.9 kW air motor

LOCK INDICATORS
confirm “locked” and “unlocked” status

OIL RETURN LINE FILTER
included as standard

LOCKING VALVES
dual hydraulic locking valves for added safety

LOAD LOWERING
counter balance valve for smooth controlled lowering of load

PNEUMATIC CONTROL VALVES
for precise lifting and lowering

PATENTED FAIL SAFE
spring loaded mechanical locking system. Oil-bathed and totally enclosed to prevent contamination. Can be locked in 13mm increments

MECHANICAL QUADRANT LOCKS
designed and tested to hold a minimum 3 x rated jack capacity without failure

SERRATED LOAD CAP
included as standard

LOCK INDICATORS
confirm “locked” and “unlocked” status

LIFTING POINT
allows easy forklift access with a 160mm max. tine width

ON BOARD pneumatic filter/regulator and lubricator

TILT ADJUSTABLE HANDLE
for ease of manoeuvring and compact storage

MODULAR ASSEMBLY
for quick onsite service of remote and control modules

5 METRE HOSE
steel cored, flexible conduit

ALUMINIUM REMOTE PENDANT
with mounted lock and unlock indicators for added safety

AIR INLET - TYPE A CLAW FITTING
working air pressure 5.6-7.0 bar (80-100 psi), air consumption range 2,265-4,530 Lpm (80-160 cfm)

LOCKABLE ISOLATION VALVE
relieves downstream air for extra safety and security

RESERVOIR SIGHT GAUGE
to monitor oil level

TYRES WITH ALLOY RIMS
heavy duty, polyurethane filled, puncture-proof, large rolling diameter (450mm)

HIGH STRENGTH STEEL BASE PLATE
resists deformation

CAPACITY
70 - 181 tonne (77 - 200 US ton)

STROKE RANGE
400 - 685 mm
THE ADDITION OF THE POWERDRIVE TRANSFORMS THE SAFE D LOCK JACK INTO A SELF-PROPELLED LIFTING JACK AND RATED VEHICLE JACKING STAND FOR HEAVY MINING VEHICLES.

Australian designed and built to meet AS/NZS 2693:2007 standard for vehicle jacks, it also meets AS/NZS 2538:2004 standard for vehicle support stands. The jack uses patented oil-bathed internal locking quadrants that are constantly energised during the lifting process to give a fail safe operation. This locking mechanism automatically engages in the unlikely event of a hydraulic failure. The Safe D Lock jack + POWERDRIVE is compact, portable and safe. It is the perfect choice for the workshop or service vehicle.

How to order...

To order your Safe D Lock jack + POWERDRIVE simply choose your jack model from page 8 and add suffix “ –PD “ to the model number (e.g. SDL-15068-PD).

Each unit is supplied with two M18 Red Lithium batteries and one 230 VAC charger.
The Safe D Lock jack + POWERDRIVE utilises dual independent DC motors driving the wheels via a robust chain and sprocket design. Features include soft start, forward and reverse handle mounted switches, dead-man triggers and two M18 Red Lithium™ 5 Ah rechargeable batteries.

**DUAL BATTERIES**
Industry standard batteries

**RANGE OF 2KM**
Per 5.0 Ah 18.0 VDC lithium-ion battery

**CHARGE INDICATOR**
Shows charge remaining in each battery

**BATTERY SELECTOR**
Drive system operates off one battery at a time

**OVERLOAD PROTECTION**
With resettable standard 20 Amp auto fuse

**SAFER & EASIER MANOEUVRABILITY**
No need to connect to air supply to move jack

**DUAL INDEPENDENT DRIVES**
Forward & reverse independent drive each handle

**INDEPENDANT DEADMAN SWITCHES**
For easy manoeuvring and safety

**THREE POSITION TOGGLE**
F (Forward) N (Neutral) R (Reverse)

**IP 65 SWITCHES**
For all weather environments

**Did you know...**
The Safe D Lock jack + POWERDRIVE can self-propel up workshop slopes of 5 degrees.
Did you know...
That a 5 metre long remote pendant and jack mounted mechanical indicators allow the jack's operator to work at a safe distance from the vehicle being lifted.

**LOCKED INDICATOR**
When the green indicator is displayed this confirms to the operator that the jack is ready to be mechanically locked.

**UNLOCKED INDICATOR**
When the red indicator is displayed it confirms to the operator that the jack IS NOT mechanically locked and that the quadrants are disengaged during lowering.

**RAISE CONTROL BUTTON**
When the Raise control button is held down the jack will advance, the green indicator will display and retract through this process as the quadrants are engaged and disengaged as part of the jack's fail safe mechanism.

**LOCK CONTROL BUTTON**
During lifting, the green indicator confirms that the quadrants are engaged and ready to lock. The operator then releases the Raise control button and presses the Lock control button; mechanically locking the jack. A green jack mounted mechanical indicator confirms to the operator that the jack is mechanically locked.

**LOWER CONTROL BUTTON**
When the Lower control button is held down the jack will automatically disengage the locking quadrants and retract via a smooth, load lowering hydraulic counter balance valve.

**Lock Indicators**
The Safe D Lock jack is equipped with jack mounted mechanical indicators to confirm to the operator when the unit is mechanically locked as a vehicle support stand.

- **RED INDICATOR**
  lock quadrants are retracted and in an unlocked state.

- **GOLD INDICATOR**
  lock quadrants are engaged and ready to be locked.

- **GREEN & GOLD INDICATOR**
  lock quadrants are holding load mechanically.
### Model Number | Capacity (Tons) | Description | Height (mm) | Diameter (mm) | Total Length (mm) | Spigot Depth (mm) | Spigot Diameter (mm) | Weight (kg)  
--- | --- | --- | --- | --- | --- | --- | --- | 
SDE100-150 | 70/100 | 150 mm Extension ** | 150 | 112 | 210 | 60 | 50 | 7.0
SDE100-300 | 70/100 | 300 mm Extension ** | 300 | 112 | 360 | 60 | 50 | 13.0
SDL-100 | 70/100 | Serrated Steel Load Cap * | 22 | 112 | 82 | 60 | 50 | 3.0
SDS-100 | 70/100 | Serrated Tilt Saddle ** | 50 | 112 | 110 | 60 | 50 | 5.0
SDE150-150 | 150 | 150 mm Extension ** | 150 | 126 | 210 | 60 | 50 | 7.0
SDE150-300 | 150 | 300 mm Extension ** | 300 | 126 | 360 | 60 | 50 | 13.0
SDL-150 | 150 | Serrated Steel Load Cap * | 22 | 126 | 82 | 60 | 50 | 3.0
SDS-150 | 150 | Serrated Tilt Saddle ** | 50 | 126 | 110 | 60 | 50 | 5.0
SDE200-150 | 200 | 150mm Extension ** | 300 | 140 | 210 | 60 | 50 | 8.0
SDS200-300 | 200 | 300 mm Extension ** | 300 | 140 | 360 | 60 | 50 | 15.0
SDLC-200 | 200 | Serrated Steel Load Cap* | 22 | 126 | 82 | 60 | 50 | 4.0
SDS-200 | 200 | Serrated Tilt Saddle** | 50 | 126 | 110 | 60 | 50 | 6.0

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* Supplied as standard  
** Optional item

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**ALUMINIUM 7075** manufactured with hard anodising  
**SERRATED STEEL LOAD CAP** included as standard  
**OPTIONAL SERRATED TILT SADDLE**

- **5°** maximum tilt to minimise side loading  
- **KNURLED FINISH** provides anti-slip grip for better handling  

**BOLT ON CARRY HANDLE** for easy handling and carrying

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**WARNING...**  
No more than one extension to be used.

**Did you know...**  
There is onboard storage for extensions up to 300mm in length.