

Half inch Hydraulic Drill/Impact Wrench (04500-04525)

Rail Welding Equipment



The Pandrol Impact Drill/Wrench range is designed to combine power, versatility and comfort, even in the toughest environments. Compact and lightweight, it ensures greater mobility and ease of handling on track, while its ergonomic build reduces operator fatigue during extended use.

The 04500D model features a 7/16" quick-change chuck for efficient drilling and a 1/2" square drive adapter, making it compatible with a wide range of impact sockets.

For heavier-duty drilling, the 04525 model includes a 5/8" keyed chuck, offering reliable performance across various maintenance tasks. Whether you're fastening or drilling, this tool delivers consistent, high-torque output with the reliability required by rail professionals.

→ TECHNICAL FEATURES

Dual-purpose functionality

The 04500D model features a 7/16" quick-change chuck for efficient drilling operations, along with a 1/2" square drive adapter for use with multiple 1/2" impact sockets.

Dedicated drilling model

The 04525 version is equipped with a 5/8" keyed chuck, offering stable, secure bit retention for demanding drilling applications.

Compact and lightweight construction

With a total weight of only 11 lbs (4.9 kg) and compact dimensions (10" x 7" x 7"), the tool is easy to handle in restricted spaces or over extended periods.

Controlled hydraulic input

Designed to operate at 5 GPM (19 LPM) and 2000 PSI (140 BAR), ensuring optimal performance without overheating or excessive wear.

→ ADVANTAGES

- Dual functionality reduces the need for multiple tools, allowing operators to handle both drilling and fastening tasks with a single device, which streamlines operations and reduces equipment load on site.
- Lightweight and ergonomic design minimises fatigue, making the tool easier to handle during long maintenance sessions and improving operator comfort and safety.
- Controlled hydraulic input prevents overheating, which protects the tool's components and hydraulic circuits, lowering the risk of breakdowns and reducing long-term maintenance costs.
- Quick-change chuck saves time on the job, enabling fast bit and socket swaps, which boosts efficiency and reduces downtime during operations.



→ COMPONENTS

1. Ergonomic Handle with Integrated Trigger
2. Rotation Direction Valve (Selector)
3. Dual Chuck System
4. Easy connection hydraulic hoses

→ SPECIFICATIONS

Technical data		
Description	Impact Drill/Wrench	Drill
Item number	04500D	04525
Flow	5 GPM (19 lpm)	
Pressure	2000 psi (140 bar)	
Dimensions	10" x 7" x 7" (25.4 x 17.78 x 17.78 cm)	
Weight	13 lbs (6 kg)	
Chuck Type	7/16" quick-change chuck	5/8" keyed chuck
Drive Size	1/2" square drive adapter	N/A

Accessories	
1743	1-1/2" counterbore - self feed bit
1750	2-9/16" counterbore
1751	3" Counterbore
1775	1/2" x 12" x 7/16" hex shank auger bit
1776	9/16" x 12" auger bit
1777	11/16" x 12" x 7/16" hex shank auger bit
1778	13/16" x 12" auger bit
1779	15/16" x 18" auger bit
1781	11/16" x 18" auger bit
1782	9/16" x 18" auger bit
1784	13/16" x 18" auger bit
1785	1-1/16" x 18" auger bit
1786	13/16" x 24" x 7/16 hex shank bit

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