



Y24 PNEUMATIC ROCK DRILL

INSTRUCTION MANUAL



► INTRODUCING THE Y24 PNEUMATIC ROCK DRILL

The Y24 Pneumatic Rock Drill is designed for optimal performance in hard rock drilling operations. Engineered for exceptional adaptability to various working conditions, this tool delivers impressive energy efficiency. Built with high-quality components, it ensures long-lasting durability and reliability in demanding environments.



► PRODUCT FEATURES

The Y24 Rock Drill is expertly designed for drilling downward and inclined holes in medium-hard to hard rock, with hardness ratings of f=8-18. This versatile tool is perfect for a variety of rock drilling operations including surface mining, small open-pit quarries, water conservancy projects, road construction, rugged terrain and secondary blasting in large mines.

Key Benefits:

Efficient Drilling: The grouped control mechanism allows for quick and efficient operation with an "air-on, water-on, air-off" system, making it easy to start up and maintain. In addition to the outstanding performance of the YT24, this model boasts enhanced flushing power for improved efficiency in your drilling operations.

Automatic Lubrication: The FY200B Line Oiler, featuring a transparent casing, provides automatic lubrication during operation, enhancing performance and extending the life of the drill.

► Y24 ROCK DRILL SPECIFICATION

- **Model:** Y24
- **N.W.:** 24 kg
- **Length / Width / Height :** 605 mm x 485 mm x 158 mm
- **Bit Head Size:** R22×108 mm
- **Air Consumption:** ≤55 L/S
- **Percussive Frequency:** ≥27 Hz
- **Boreholes Diameter:** 34-42 mm
- **Piston Diameter:** 70 mm
- **Piston Stroke:** 70 mm
- **Drilled Holes Depth:** 5 m
- **Air Inlet Size:** 19 mm
- **Working Pressure:** 0.4-0.5 Mpa
- **Impact energy:** 44.7 J
- **Working Water Pressure:** 0.2-0.3 Mpa
- **Inner diameter of water pipe:** 13 mm



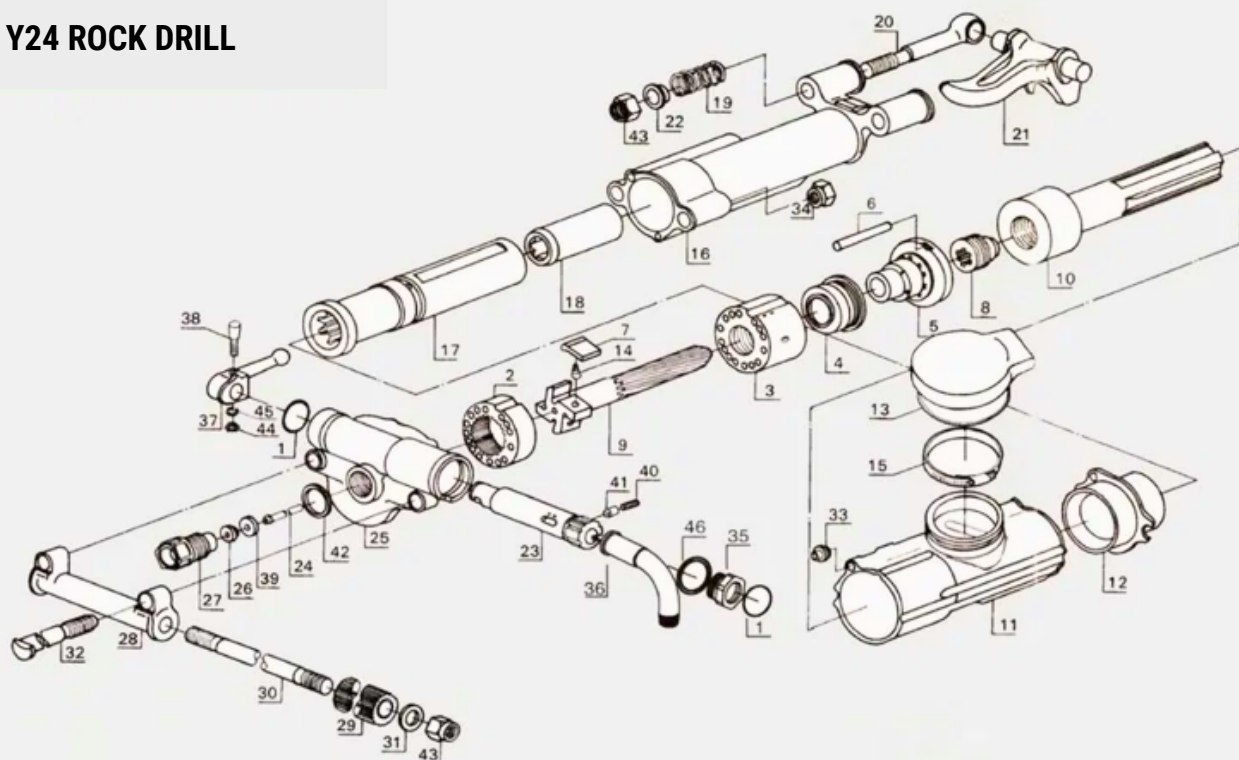
► FY200B LINE OILER SPECIFICATION

- **Capacity:** 200 ml
- **Weight.:** 1.02 kg

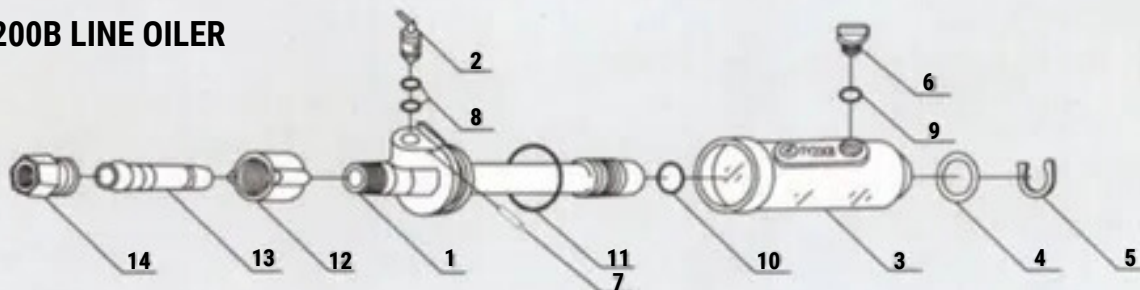
In addition to following standard safety precautions for rock drilling operations, please pay special attention to the following:

- The rifle nut and piston have left-hand threads, so take care to ensure the correct direction of rotation during both assembly and disassembly.
- Before starting, always check that the oiler contains lubricant. Never operate the drill without sufficient lube oil.

Y24 ROCK DRILL



FY200B LINE OILER



Y24 ROCK DRILL SPARE

- | | | |
|-------------------------|-------------------------|-------------------|
| 1. O-RING | 21. STEEL PULLER | 71. SET PIN |
| 2. RATCHET RING | 22. WASHER SPRING | 72. WASHER |
| 3. VALVE CHEST | 23. THROTTLE VALVE | 73. LOCKING NUT |
| 4. VALVE | 24. AIR TUBE | 74. NUT |
| 5. VALVE COVER | 25. BACKHEAD | 75. SPRING WASHER |
| 6. VALVE PLUG | 26. AIR TUBE BUSH | 76. WASHER |
| 7. RACHET PAWL | 27. SCREW PLUG | |
| 8. RIFLE NUT | 28. HANDLE | |
| 9. RIFLE BAR | 29. RUBBER GRIP | |
| 10. PISTON | 30. HANDLE BOLT | |
| 11. CYLINDER | 31. WASHER | |
| 12. GUIDE RING | 32. THROUGH BOLT | |
| 13. MUFFLER | 33. AIR SEAL | |
| 14. PAWL SPRING | 34. THROUGH BOLT NUT | |
| 15. HOSE CLAMP | 35. NUT | |
| 16. FRONTHEAD | 36. AIR CONNECTION TUBE | |
| 17. ROTARY SLEEVE | 37. CONTROL LEVER | |
| 18. CHUCK SLEEVE | 38. DETENT PLUNGER | |
| 19. STEEL PULLER SPRING | 39. AIR TUBE WASHER | |
| 20. STEEL PULLER BOLT | 40. SPRING | |
- ## FY200B LINE

1. OILER BODY
2. OIL PLUG
3. CASING
4. RETAINER
5. ELASTIC RETAINER
6. OIL PLUG
7. PIN
8. O-RING
9. O-RING
10. O-RING
11. O-RING

FY200B LINE OILER SPARE

1. OILER BODY
2. OIL PLUG
3. CASING
4. RETAINER
5. ELASTIC RETAINER
6. OIL PLUG
7. PIN
8. O-RING
9. O-RING
10. O-RING
11. O-RING
12. WING NUT
13. AIR CONNECTOR
14. PIPE CONNECTOR

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Harlen Supplies (Pty) Ltd offers an extensive selection of products and solutions for your rock breaking and drilling needs. Our range includes handheld rock drills, drill steel, drill bits, Top Hammer rods, bits and couplings, as well as DTH rods, bits and hammers.