

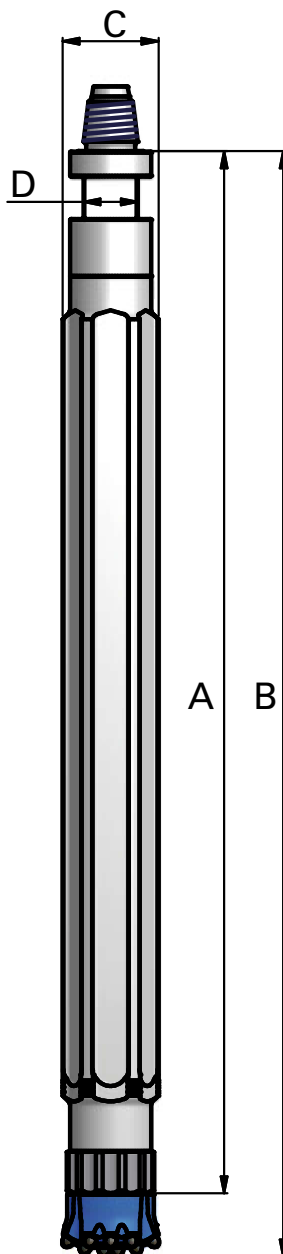
W150 Water Hammer Technical Data

The Wassara Hammer is the heart of the Wassara Drilling System. Patented Worldwide, the water-powered Wassara Hammer assures rapid, efficient and environmentally friendly drilling. In standard version the Hammer is delivered with a stabilized piston case.

The result is maximum hole straightness and superior precision. All components in the Wassara Hammer are available as spare parts and can be replaced easily.

In comparison with traditional pneumatic technology, the Wassara Hammer demonstrates exceptional energy savings. Powered by clean water, the Wassara Hammer uses less energy and strikes at roughly double the frequency rate of a conventional DTH pneumatic hammer giving excellent penetration rate.

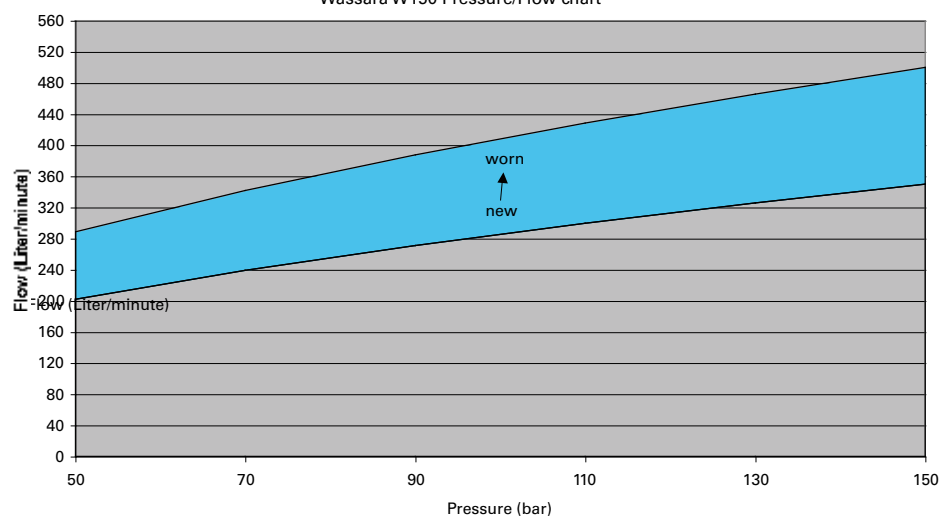
- Drills long straight holes
- High efficiency
- Low energy consumption

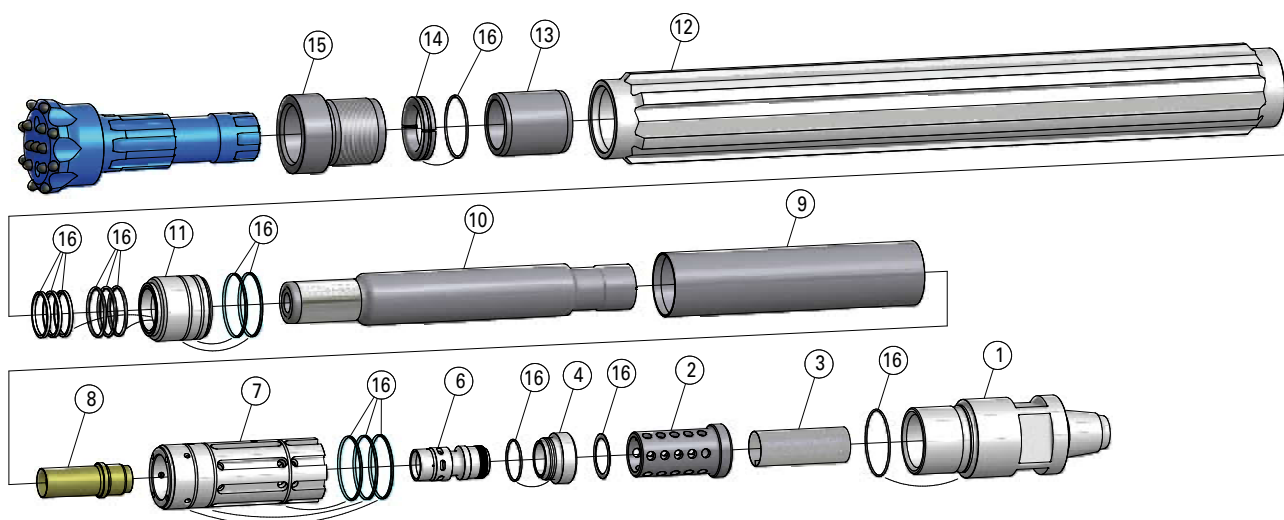


Technical Specifications for Wassara W150 Water Hammer

Dimension A	1496 mm
Dimension B	1605 mm
Dimension C	Ø 160, 162 mm
Dimension D	110 mm
Hammer weight (excluding bit)	165 kg
Hole size	165 mm
Operating pressure, maximum	150 bar
Water consumption at maximum pressure	350–500 lit/min (New to worn)
Power output from hammer	38 kW
Energy per blow	950 Joule
Frequency at maximum operating pressure	40 Hz (2400 blows/min)
Feed force, formation dependant	15000–30000 N
Rotation speed, formation dependant	40–65 rpm
Rotation torque, formation dependant	2000–4000 Nm
Drill Pipe ("O" ring system/pressure tested)	Diameter 127 mm, Thread API 3–1/2" Reg
Water Pump	WASP 150
Bit Shank	Wassara 360 (Refer to catalogue for bit offering)

Wassara W150 Pressure/Flow chart





No	Detail
1	Top Sub 3_" API REG Pin (with o-ring)
2	Filter support
3	Filter
4	Lid
6	Valve
7	Valve house
8	Sliding Case
9	Piston

No	Detail
10	Inner tube
11	Piston Bushing
12	Piston Case (stabilized) 160, 162 mm
13	Guide Sleeve, Wassara 360
14	Bit Retainer Ring (with o-ring), Wassara 360
15	Driver Sub (smooth) 140 mm, Wassara 360
16	Seal kit