

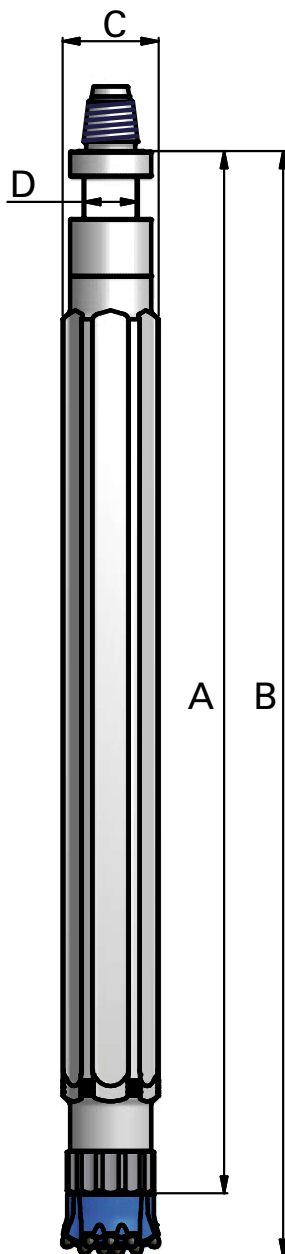
W80 Water Hammer Technical Data

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.

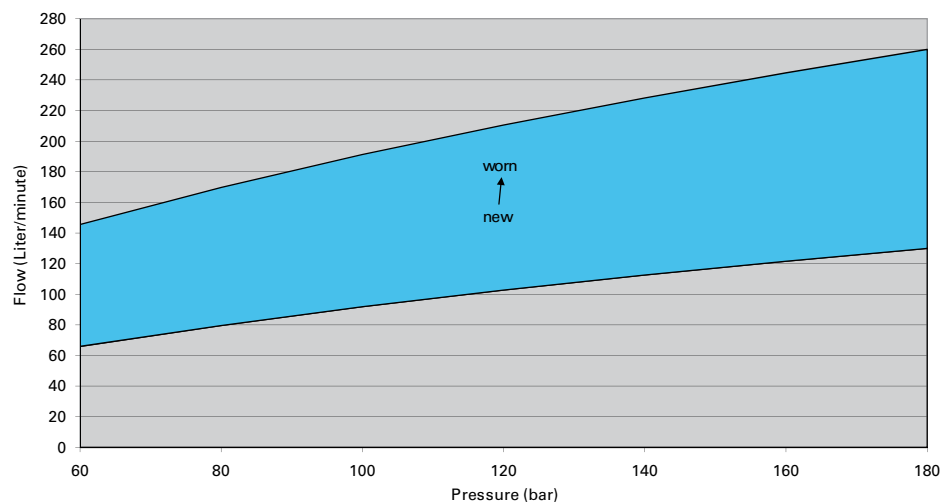
- Drills long straight holes
- High efficiency
- Low energy consumption

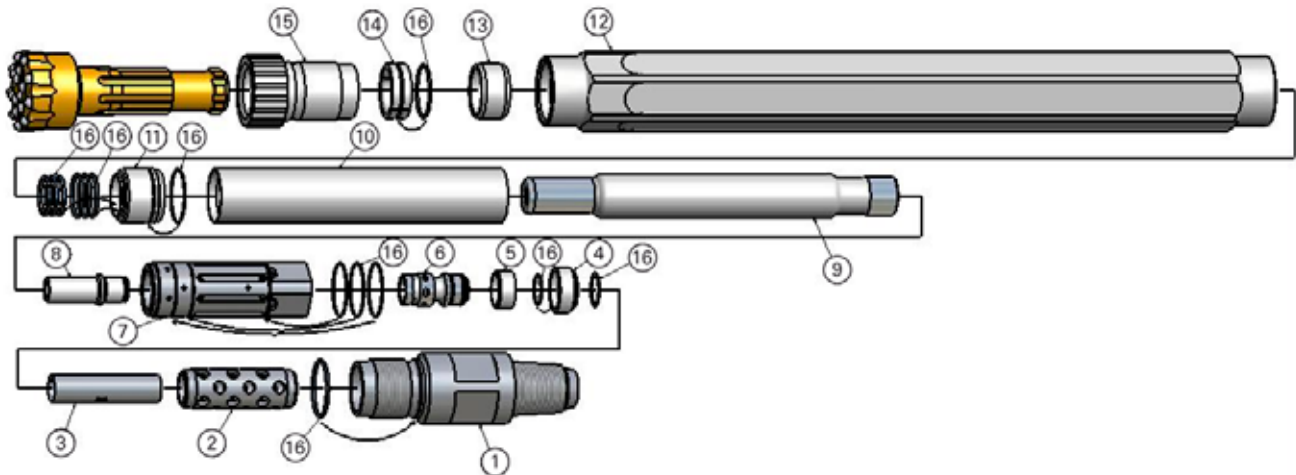


Technical Specifications for Wassara W80 Water Hammer – Model N2

Dimension A	977 mm
Dimension B	1049 mm
Dimension C	Ø 85, 90, 92 mm
Dimension D	64 mm
Hammer weight (excluding bit)	32 kg
Hole size	95 mm
Operating pressure, maximum	180 bar
Water consumption at maximum pressure	130–260 lit/min (New to worn)
Power output from hammer	16 kW
Energy per blow	245 Joule
Frequency at maximum operating pressure	60 Hz (3600 blows/min)
Feed force, formation dependant	7000–10000 N
Rotation speed, formation dependant	60–100 rpm
Rotation torque, formation dependant	800–1500 Nm
Drill Pipe ("O" ring system/pressure tested)	Diameter 76 mm, Thread API 2-3/8" Reg
Water Pump	WASP 80
Bit Shank	Wassara 3.5 (Refer to catalogue for bit offering)

Wassara W80 Pressure/Flow chart





No	Detail
1	Top Sub 2 3/8" API REG Pin Up (with o-ring)
2	Filter support
3	Filter
4	Lid
5	Sleeve tungsten
6	Valve
7	Valve house
8	Sliding Case

No	Detail
9	Piston
10	Inner tube
11	Piston Bushing
12	Piston Case stabilized 85, 90, 92 mm
13	Guide Sleeve, Wassara 3.5
14	Bit Retainer Ring (with o-ring), Wassara 3.5
15	Driver Sub (ribbed) 83 mm, Wassara 3.5
16	Seal kit