

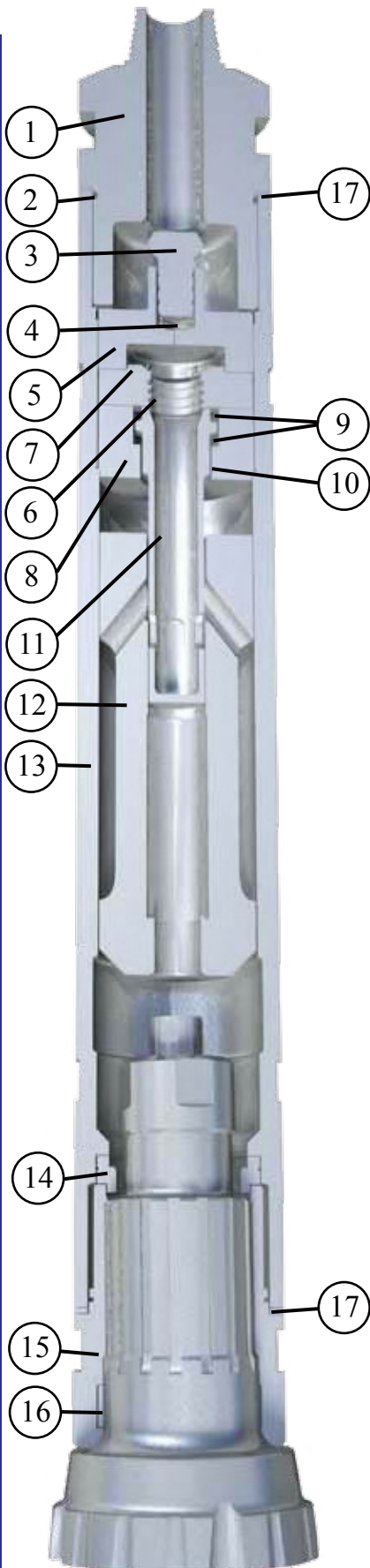


HYPER 181 N180 DTH HAMMER

Technical Brochure



Certificate Number 2446/00
ISO9001



Hyper 181 N180 D.T.H Hammer

458mm (18") - 660mm (26") diameter holes

The Bulroc Hyper 181 hammer is a valveless D.T.H Hammer designed to operate efficiently at pressures ranging from 7 to 15.5 bar (100 225 psi).

The Hyper 181 is supplied with a 8 3/8" api reg pin backhead as standard but a 8 3/8" api reg box backhead can be supplied.

In addition to the standard Hyper 181 N180 button bits, the Hyper 181 can easily be modified to accept bits with Mission SD18 and QL200 shank design by simply replacing the Chuck, Piston, Bit retainer and Bearing.

Component Parts

| Ref | Description | Part Number |
|-----|--------------------------|-----------------|
| 1 | Backhead 8 3/8" Reg. Pin | HSH1813882M |
| 2 | Backhead 'O' Ring | HSH18114 |
| 3 | Check Valve | HSH18108 |
| 4 | Check Valve Spring | HSH18110 |
| 5 | Valve Chest | HSH18107 |
| 6 | Compression Buffer | HSH18128 |
| 7 | Buffer Cover | HSH18173 |
| 8 | Tube Holder | HSH18131 |
| 9 | Tube Buffers (2) | HSH18129 |
| 10 | Tube 'O' Ring | HSH18130A |
| 11 | Control Tube | HSH18130 |
| 12 | Piston | HSH18103180 |
| 13 | Wearsleeve | HSH18100 |
| 14 | Bit Retaining Ring | HSH18137180 |
| 15 | Chuck | HSH18135180 |
| 16 | Chuck Bearing | HSH18135180BE |
| 17 | Breakout Washer | HSH18126 |
| | Complete Hammer | BR181H01 |

Hammer Specification

| | Imperial | Metric |
|-------------------|----------|----------|
| Weight (less bit) | 3545 lbs | 1608 Kgs |
| Length (less bit) | 86" | 2185 mm |
| Outside dia. | 16" | 406 mm |
| Bore dia. | 12.25" | 311 mm |
| Piston weight | 730 lbs | 330 Kgs |
| Stroke | 5.75" | 146 mm |

Air Consumption

| PSI | BAR | C.F.M | Cu. Mtr / min |
|-----|-------|-------|---------------|
| 100 | 6.9 | 1088 | 30.8 |
| 125 | 8.6 | 1520 | 43.1 |
| 150 | 10.3 | 1999 | 56.6 |
| 175 | 12.0 | 2518 | 71.3 |
| 200 | 13.8 | 3077 | 87.1 |
| 225 | 15.51 | 3672 | 103.4 |



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