

# HYPHER 181S DTH HAMMER QL200S



# Technical Specification

## Robit HYPER 181S (QL200S)

### Valveless Hammer 724 mm (28½") - 864 mm (34") dia. Holes

The Robit Hyper 181S hammer is a valveless DTH hammer designed to operate efficiently at pressures ranging from 7 to 15.5 bar (100 - 225 psi). The Hyper 181 is supplied with a 8½" API regular pin backhead as standard but a 8½" API regular box backhead can be supplied.

#### Component parts

| Ref                    | Description           | Part number     |
|------------------------|-----------------------|-----------------|
| 1                      | Backhead 8½" 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    | HSH18137101     |
| 15                     | Chuck                 | HSH18135101     |
| 16                     | Chuck Bearing         | HSH18135101BE   |
| 17                     | Chuck Bearing         | HSH18135101BEAC |
| 18                     | Breakout Washers (2)  | HSH18126        |
| <b>Complete Hammer</b> |                       | <b>BR181H04</b> |

#### Air consumption (Pressure at Compressor)

| PSI | BAR  | m <sup>3</sup> /min | ft <sup>3</sup> /min |
|-----|------|---------------------|----------------------|
| 100 | 6.9  | 31.1                | 1097                 |
| 150 | 10.3 | 57.1                | 2016                 |
| 175 | 12.0 | 71.9                | 2541                 |
| 200 | 13.8 | 87.9                | 3105                 |
| 225 | 15.5 | 104.9               | 3705                 |

#### Hammer specification

|                   | Imperial | Metric  |
|-------------------|----------|---------|
| Weight (less bit) | 3846 lbs | 1748 kg |
| Length (less bit) | 90.66"   | 2303 mm |
| Outside dia.      | 16"      | 406 mm  |
| Chuck dia.        | 21.5"    | 546 mm  |
| Piston weight     | 730 lbs  | 330 kg  |

