

# BR33 DTH HAMMER



# Technical Specification

## Robit® BR33

### Valved Hammer 90 mm - 100 mm dia. Holes

The Robit BR33 is valved type hammer designed for high performance at low operating air pressures. Simplicity of design, ease of service and low air consumption are all factors which combine to make this hammer robust and reliable drilling tool. The hammer is available as standard with 2 $\frac{1}{8}$ " API Reg.pin. The BR33 hammer incorporates a positive fitting check valve to guard against the ingress of ground water debris when the air is shut off.

#### Component parts

| Ref                    | Description            | Part number    |
|------------------------|------------------------|----------------|
| 1                      | Wearsleeve             | HSB3300        |
| 2                      | Inner Cylinder         | HSB3301        |
| 3                      | Bearing                | HSB3302        |
| 4                      | Piston                 | HSB3303        |
| 5                      | Air Metering Plug      | IPP03          |
| 6                      | Bevelled Valve Housing | HSB3304        |
| 7                      | Centraliser            | IPC1           |
| 8                      | Disc Valve             | IPCDV1         |
| 9                      | Valve Chest            | HSB3307        |
| 10                     | Backhead               | HSB333801M     |
| 11                     | Backhead 'O'Ring       | IPBOR01        |
| 12                     | Bit Retaining Ring     | HSB3337018     |
| 13                     | Backhead Spacer        | IPBS04         |
| 14                     | Chuck                  | HSB3335018     |
| 15                     | Chuck Seal             | IPBS01         |
| 16                     | Check Valve            | IPRCV01        |
| 17                     | Spring                 | IPRCV01        |
| 18                     | Split Spacer           | HSB33365T      |
| <b>Complete Hammer</b> |                        | <b>BR33S01</b> |

#### Air consumption (Pressure at Compressor)

| PSI | BAR  | m <sup>3</sup> /min | ft <sup>3</sup> /min |
|-----|------|---------------------|----------------------|
| 100 | 6.9  | 1.53                | 53.86                |
| 150 | 10.3 | 2.80                | 98.95                |
| 200 | 13.8 | 4.31                | 152.34               |
| 250 | 17.2 | 6.03                | 212.90               |

#### Hammer specification

|                   | Imperial | Metric |
|-------------------|----------|--------|
| Weight (less bit) | 55 lbs   | 25 kg  |
| Length (less bit) | 30.2"    | 768 mm |
| Outside dia.      | 3.225"   | 82 mm  |
| Piston weight     | 7.3 lbs  | 3.3 kg |

