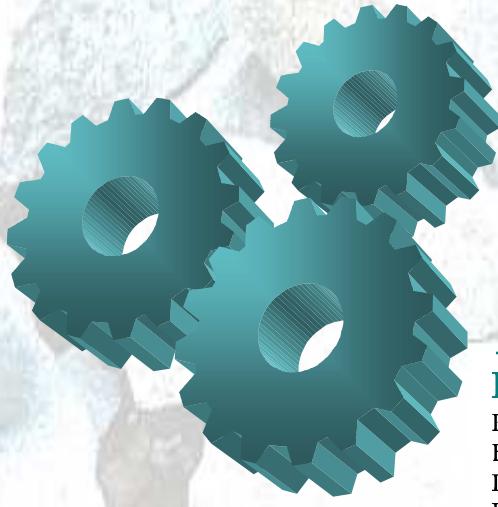


Hi-Tech Hyper 3" DTH Hammer

HI-TECH

HI-TECH HYPER 3



Hi-TECH GROUP OF INDUSTRIES

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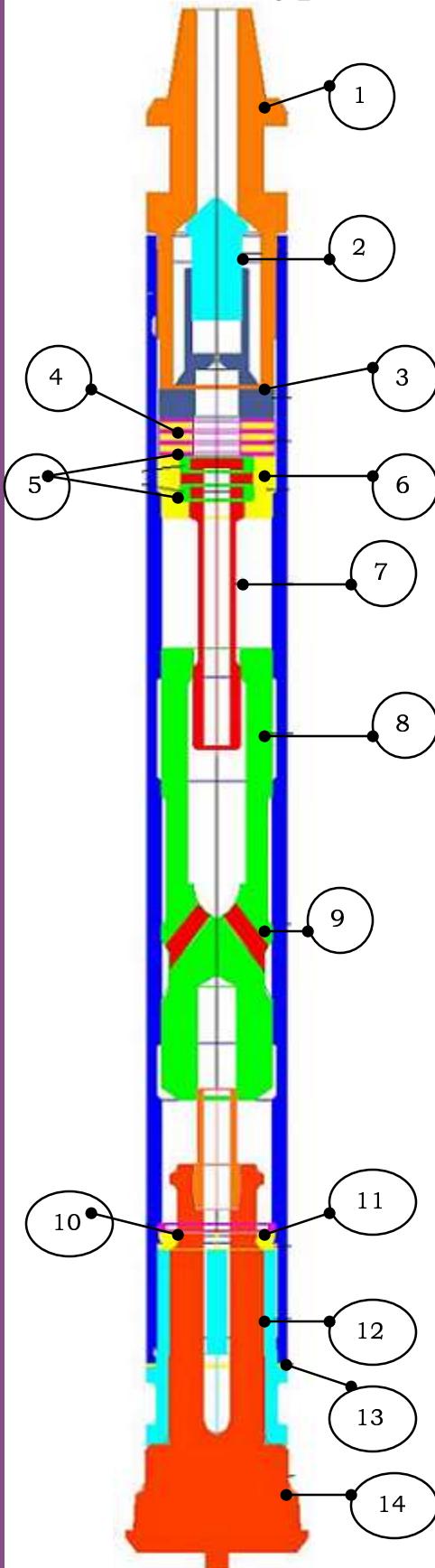
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TECHNICAL SPECIFICATIONS

Hi-Tech Hyper 3" Valveless Hammer – HTH300



The HTH300 is valveless DTH Hammer designed for drilling 89mm - 102mm (3½" - 4") dia. holes over wide range of operating air pressures. It is especially suitable for water well drilling applications where great depth requirements demand less air usage with minimal performance loss. The HTH300 Hammer gives 25% increase in performance compared to conventional 3" hammers.

The HTH300 is supplied with a 2^{3/8}" API REG. pin Backhead, as standard but other connections are available on request.

COMPONENT PARTS

SI No	Description	Part Number
0	Complete Hammer	HTH300
1	Back Head	HTH302
2	Check Valve	HTH306
3	Diverter	HTH320
4	Compression Ring	HTH328
5	Buffer Tube	HTH329
6	Tube Holder	HTH331
7	Control Tube	HTH330
8	Piston	HTH303
9	Wear Sleeve	HTH301
10	Piston Retaining Ring	HTH332
11	Bit Retainer	HTH337
12	Front Chuck	HTH335
13	Chuck Release Washer	HTH326
14	Bit	HTHB300

HAMMER SPECIFICATIONS

1.	Diameter	79.0 mm
2.	Hole Range	89.0 mm-127.0mm
3.	Bore	62.23 mm
4.	Hammer Weight	24.0 kg
5.	Length Shoulder to Shoulder	953.0 mm
6.	Length Shoulder to Bit Face	1033.0 mm
7.	Standard API thread	2 ^{3/8} " API REG
8.	Piston Diameter	62.16 mm
9.	Piston Weight	5.1 kg
10.	Bit Shank Length	170.0mm
11.	Width of the Backhead slot	76.2 mm

AIR CONSUMPTION

PSI	CFM	BAR	Cu. Mtr/Min
150	96	10.3	2.7
200	148	13.8	4.2
250	206	17.2	5.8
300	271	20.7	7.7