

# SECOROC - PRISHMA 3 DOWN-THE-HOLE HAMMER



*Designed for quarrying, constructions,  
exploration and mining drilling applications*

 **Epiroc**



# **SECOROC - PRISHMA 3 DOWN-THE-HOLE HAMMER**

The new Secoroc Prisma 3 DTH hammer is a versatile tool with broad application range. This hammer offers good penetration rates, longer service life, and high level high level of reliability.

## **Design and function**

Designed to operate in 10 to 17 bar pressure range, the Prisma 3 hammer is primarily aimed for Quarry drilling but is also suitable for Construction, Mining, and Exploration drilling applications. Metal disc valve and a heavy piston give this hammer a high level of reliability associated with longer service life.

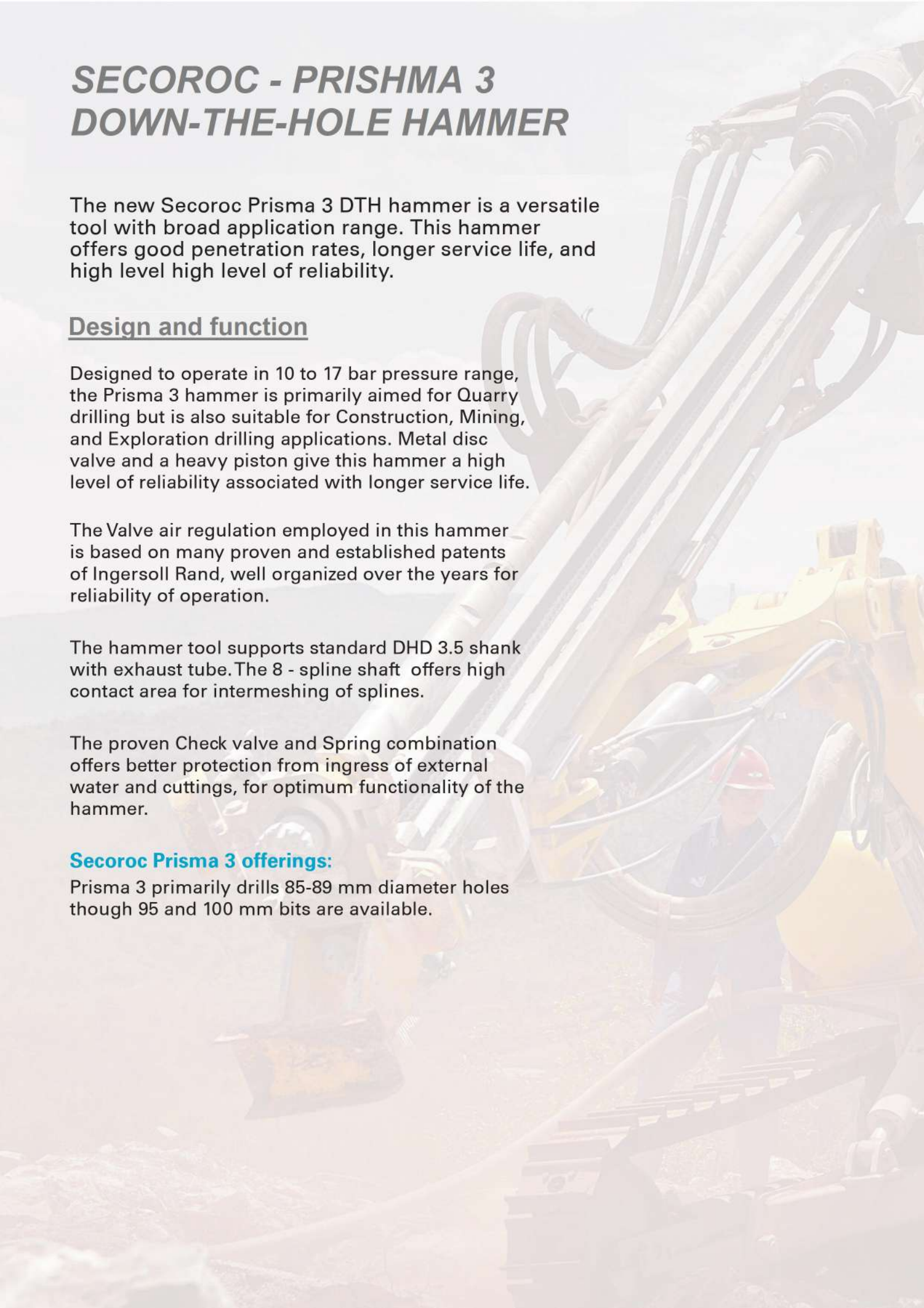
The Valve air regulation employed in this hammer is based on many proven and established patents of Ingersoll Rand, well organized over the years for reliability of operation.

The hammer tool supports standard DHD 3.5 shank with exhaust tube. The 8 - spline shaft offers high contact area for intermeshing of splines.

The proven Check valve and Spring combination offers better protection from ingress of external water and cuttings, for optimum functionality of the hammer.

### **Secoroc Prisma 3 offerings:**

Prisma 3 primarily drills 85-89 mm diameter holes though 95 and 100 mm bits are available.



# PRISHMA 3 HAMMER SPECIFICATIONS



General Specifications		
Drill pipe connection	API 2 3/8 in Reg. Pin	
Bit shank code / type	DHD 3.5	
Length w/o bit shoulder to shoulder	776 mm	30.5 in
Length with bit extended	871 mm	34.3 in
Length with bit retracted	841 mm	33.1 in
Weight w/o bit	20.2 kg	44.5 lb
Backhead across flats	57 mm	2.2 in
Rec. bit size	90 mm & above	3.54 in & above
Outside diameter	78 mm	3.1 in
Piston weight	4.06 kg	8.9 lb
Maximum Operating Pressure	17 bar	250 psi

Prisma 3 Hammer		
Product no.	Product code	Connection
93501498	9703-03-75-00	Api 2 3/8 in Reg. Pin

Air Consumption	
Pressure	I/s (Scfm)
10 bar/145 psi	83.5 (176.9)
15 bar/217.5psi	124.1 (263)
17 bar/ 250psi	142.3 (301.5)

Bits	Product No.	Product Code	Number of button x button diameter, mm, shape	
			Gauge Buttons	Front Buttons
90 mm, Flat Front	93501036	100-5090-35-121A,33-12	6 x 12.7, Spherical	6 x 12.7, Spherical
92 mm, Flat Front	93501037	100-5092-35-121A,33-12	6 x 12.7, Spherical	6 x 12.7, Spherical
95 mm, Flat Front	93501038	100-5095-35-121A,33-12	6 x 12.7, Spherical	6 x 12.7, Spherical
95 mm, Flat Front	93501039	100-5095-35-121F,33-12	6 x 12.7, Spherical	6 x 10, Spherical
95 mm, Flat Front	93501040	1S0-5095-35-121F,33-12	6 x 12.7, Spherical	6 x 10, Spherical
100 mm, Flat Front	93501042	1S0-5100-35-121A,33-12	8 x 12.7, Spherical	6 x 12.7, Spherical
100 mm, Flat Front	93501044	1S0-5100-35-1210,33-12	7 x 14.5, Spherical	6 x 12.7, Spherical
Foot valve	93501649	FV-MX EXHAUST TUBE		

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Epiroc Mining India Limited  
Bombay - Pune Road, Sivanagar, Dapodi,  
Pune - 411 012, Maharashtra - India.  
Email: [miningtechnique.india@epiroc.com](mailto:miningtechnique.india@epiroc.com)

