

VERMEER ROLLER CONE HOLE OPENERS

Designed and built by Vermeer, Vermeer roller cone hole openers deliver optimized performance and wear life while working in some of the hardest ground conditions.

Spanning diameters of 8 in - 24 in (20 cm - 61 cm) in 2-in (5-cm) increments, this lineup offers several value-added features to meet the specific needs of your jobsite.



Key features:

- All cutters are new and purpose-built for this application. You will not find “split bits” (i.e., surplus or rebuilt cutters harvested from tri-cone pilot bits).
- A precision manufacturing process mates two machined surfaces (cutter and body), creating concentricity of the tool. Concentricity lends to equal loading on the cutters downhole for even wear.
- Cutters feature metal-faced seals, like those found on the lower rollers of bulldozer track chains, rather than rubber seals to maximize wear in gritty conditions.
- Vermeer design maximizes cone size, helping increase weight on bit and thus rate of penetration for optimized production.

DETAILS

CUTTER

Available with IADC 617 (hard rock) and IADC 537 (medium rock) cutters

NOZZLE

5/8-in (16-mm) #20 carbide nozzles

Other options upon request

PUSH CUTTERS

Gussets with welded rotary teeth

Customization upon request

SPECIFICATIONS

REAMER DIAMETER	STABILIZER DIAMETER (BAR STYLE WITH HARDFACING)	THREAD CONNECTION
8 in (20 cm)	5 in - 5.5 in (12 cm - 14 cm) Also offered with no stabilizer	2.375-in API Reg 2.875-in API Reg
10 in (25 cm)	5.5 in - 7 in (14 cm - 18 cm) Also offered with no stabilizer	
12 in (30 cm)	5.5 in - 9 in (14 cm - 23 cm)	2.875-in API Reg
14 in (36 cm)	6.25 in - 11 in (15.9 cm - 28 cm)	
16 in (41 cm)	8 in - 13 in (20 cm - 33 cm)	
18 in (46 cm)	8 in - 15 in (20 cm - 38 cm)	3.5-in API Reg
20 in (50 cm)	10 in - 17 in (25 cm - 43 cm)	
22 in (56 cm)	12 in - 19 in (30 cm - 48 cm)	
24 in (61 cm)	14 in - 20 in (36 cm - 50 cm)	3.5-in API IF
	Custom ring, spiral or bar with carbide options upon request	Custom shaft length and thread type upon request

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