

# VERMEER REPLACEABLE WING PDC HOLE OPENER

With its ground-up design, this polycrystalline diamond compact (PDC) hole opener joins the ever-growing line of rock-focused tooling from Vermeer, targeting consolidated rock formations less than 25,000 psi (1723.7 bar).

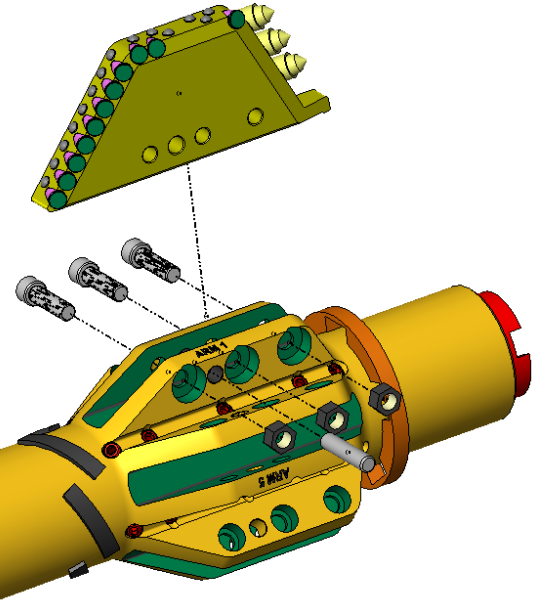
From a single 2.875-in (2 7/8") API box x box body, contractors can interchange wing sets for cutting diameters of 8 in (20.3 cm), 10 in (25.4 cm) and 12 in (30.5 cm).

With the ability to change sizes, users can maximize their investment in the single body. And in the event of wing damage, a single replacement wing can be purchased and installed in the field, rather than taking the tool out of service for an extended repair period.



## Key features:

- Vermeer has sourced premium PDC (polycrystalline diamond compact) inserts. In an independent test, these inserts showed significantly better wear characteristics than the inserts commonly found in PDC pilot bits.
- Carbide buttons span the profile of the cutter to assist stabilization and extend wear life
- The hardfaced shaft helps reduce hourglass-style wear common in rock applications
- Designed with 25 threaded fluid nozzles with 10 optional plugs for customizable drilling fluid management
- Welded on rotary backout cutters
- Industry research-informed PDC insert pitch for optimized balance rate of penetration and impact resistance



OPERATING PARAMETERS			ROTATION	PULLBACK	FLOW
CUT DIAMETER	NO. OF BLADES	MIN PILOT	MAX RPM	MAX WEIGHT ON BIT (WOB)	MIN GPM
8 in (20.3 cm)	5	4.75 in (12.1 cm)	100	16,000 lb (7257.5 kg)	10
10 in (25.4 cm)	5	4.75 in (12.1 cm)	100	20,000 lb (9071.8 kg)	10
12 in (30.5 cm)	5	4.75 in (12.1 cm)	100	24,000 lb (10,886.2 kg)	10

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