



- ✓ ***The Most Efficient Way of Carrying Casing Down-The-Hole***
- ✓ ***Made of Premium U.S. Steel for Strength & Durability***
- ✓ ***Innovative, Simple, Yet Proven PASS-THRU Design***
- ✓ ***Available for Most Hammer Shanks***
- ✓ ***Superior Technology for Outstanding Performance***

DK Casing Advance PASS-THRU System



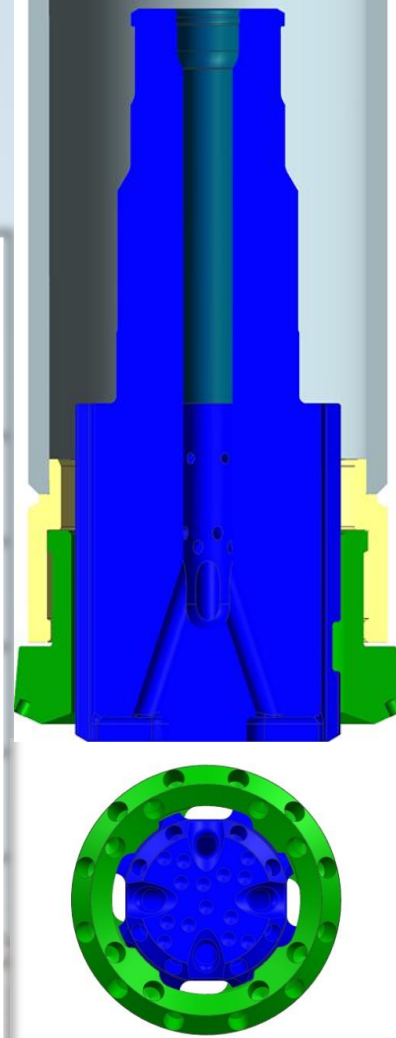
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Casing Size (in)	Casing Diameter (in)		Ring Bit Diameter (in)		Hammer Shanks
	OD	ID	OD	ID	
4	4.50	4.03	4.875	2.250	IR3.5, COP34, COP32
5	5.56	5.05	5.935	3.135	QL4, IR340, SD4
6	6.63	6.07	7.016	4.125	QL5, IR350R, SD5
8	8.63	7.98	9.015	5.925	QL6, IR360, SD6
10	10.75	10.02	11.250	8.250	QL8, IR380, SD8
12	12.75	11.94	13.500	10.050	QL8, IR380, SD8, SD10, N100

TECHNICAL OPERATING INSTRUCTIONS

1. AFTER THE CASING SHOE HAS BEEN WELDED TO THE CASING, THREAD THE RING BIT ONTO THE CASING SHOE/CASING ASSEMBLY.
2. LOWER THE PILOT BIT INTO THE RING BIT, ALIGNING THE VERTICAL FLUTES WITH THE RING BIT LUGS.
3. ROTATE THE RING BIT CLOCKWISE TO ENGAGE THE LUGS INTO THE POCKETS IN THE PILOT BIT. THE PILOT BIT SHOULD PROTRUDE BELOW THE BOTTOM OF THE RING BIT .5-.75 INCH AT THE POINT OF LUG ENGAGEMENT.
4. AFTER DRILLING TO DESIRED DEPTH WITH CASING AND WHEN READY TO PROCEED WITH PASS-THRU DRILLING WITH THE PILOT BIT, THE DRILL STRING SHOULD BE ROTATED COUNTER-CLOCKWISE TO DISENGAGE THE RING BIT LUGS.
5. AT THIS POINT, THE CASING/CASING SHOE/RING BIT ASSEMBLY WILL HAVE TO BE LIFTED AT LEAST 8 INCHES, SO THAT THE LUGS WILL CLEAR THE PILOT BIT AND DRILLING CAN CONTINUE WITH THE PILOT BIT ALONE.

**Above info per Schedule 40 Drill Pipe. Pilot Bit, Ring Bit & Casing Shoe assembly customizable to specifications*

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