PDC CORE BITS

PDC (Polycrystalline Diamond Compact) core bits use synthetic diamond cutters set into a steel matrix to deliver fast penetration, long service life, and high core recovery rates. Ideal for soft to hard rock formations, PDC bits are especially suited to high-powered rigs operating at low rotation speeds. Each cutter consists of a disc-shaped diamond layer bonded to a tungsten carbide stud, designed to withstand extreme compressive and shear loads. PDC bits are available with flat or dome-style cutters depending on formation type and drilling requirements.

APPLICATIONS

- Geotechnical investigation
- Environmental investigation
- Mineral exploration

FEATURES

- Fast penetration in soft to hard formations
- High core recovery rates
- Works with water, polymer, or air flushing
- Typical hardness range: Mohs scale 2–4
- Available with flat or dome PDC cutters

DIMENSIONS		
Size T2 Metric Gauge	**Outside diameter (mm)**	**Inside diameter (mm)**
T2-66	66.12/65.87	51.81/51.565
T2-76	76.12/75.87	61.82/61.57
T2-76 Coreliner	76.12/75.87	58.12/57.87
T2-86	86.13/85.58	71.83/71.58
T2-86 Coreliner	86.13/85.58	68.1/83.57
T2-101	101.12/100.8	83.82/83.57
T2-101 Coreliner	101.12/100.8	80.13/79.88

PDC CORE BITS

DIMENSIONS		
Size T6 Metric Gauge	**Outside diameter (mm)**	**Inside diameter (mm)**
T6-76	76.12/75.87	57.12/56.87
T6-86	86.13/85.58	67.13/66.88
T6-86 Coreliner	86.18/85.88	63.98/63.77
T6-101	101.12/100.8	79.12/78.87
T6-101 Coreliner	101.12/100.8	76.09/75.86
T6-116	116.20/115.8	93.14/92.89
T6-116 Coreliner	116.20/115.8	90.12/89.88
T6-131	131.19/130.8	108.13/107.87
T6-131 Coreliner	131.19/130.8	103.6/103.37
T6-146	146.18/145.8	123.11/122.86
T6-146 Coreliner	146.18/145.8	118.11/117.85
H Gauge		
HWF	98.98/98.6	76.33/76.08
HWF Coreliner	99.36/98.98	77.089/76.885
412F	107.19/106.88	75.38/74.98
412F Coreliner	107.19/106.88	72.99/72.69
P Gauge		
PWF	120.78/120.4	92.33/91.95
PWF Coreliner	120.78/120.4	87.12/86.86
PQ	122.30/121.8	85.09/84.84
S Gauge		
SWF	145.67/145.16	112.95/112.5
SWF Coreliner	146.18/145.8	107.18/106.78
Geobore S	146.27/145.99	102.18/101.98