



Impregnated Diamond Core Bits are made with small synthetic diamonds integrated evenly through a metal alloy matrix. As the matrix wears, new sharp diamonds are continually exposed, ensuring efficient cutting through a variety of rock types.

Face Profiles & Waterway Types:

- **Standard:** Flat face with standard waterway (no discharge hole).
- **Wide:** Wider than standard, used for formations with a great deal of rock debris (e.g. clay, shale, coal).
- **Turbo:** Suited to relatively hard, fractured formations
- **Wide Turbo:** Suited to medium-hard, fractured ground with a great deal of slurry and rock debris.
- **Round Face Discharge Hole:** Suited to triple core barrels to improve recovery and reduce the flush fluids erosion against the core.

Features

- Fast penetration
- Suitable for water, polymer, or air flushing
- Available matrix types for Mohs hardness 5 to 9
- Depth of impregnation from 6mm to 14mm

Applications

- Geotechnical Coring
- Environmental Coring
- Mineral exploration

SERIES	FORMATION HARDNESS
1	Soft
2	Medium
3	Medium to hard
4	Hard
5	Hard to very hard
6	Very hard
7	Very hard
8	Very hard
9	Very to ultra-hard
10	Ultra-hard

- **Contact us for more information regarding products** -



DIMENSIONS		
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

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