



**RED
MONSTER**
- GO ANYWHERE -



PILOT
DIAMOND TOOLS

**GREEN
MONSTER**
- GO BEYOND -



Get the Right Monster for the Job!

Talc, Shales,
Limestone

Schist, Dolomite
Serpentine

Basalt, Sandstone,
Dolerite

Gabbro, Quartz,
Pegmatite

Diorite, Granite,
Gneiss, Quartzite,
Andesite

Glassy Quartzite,
Rhyolite,
Porphyry

Jasperite, Chert,
Ironstone

TYPICALLY, AS ROCK HARDNESS INCREASES, IT BECOMES LESS ABRASIVE AND MORE DIFFICULT TO BREAK OR FRACTURE

Series 2-4 (SERIES 100)

Series 7 (SERIES FS7)

Series 4-6 (SERIES 200)

Series 9 (SERIES FS9)

Series 5-7 (SERIES 300)

Series 11 (SERIES FS11)

Series 7-9 (SERIES 400)

Series 9-11 (SERIES 500)

MOHS
HARDNESS
SCALE

2

3

4

5

6

7

8

HARDEST
FORMATIONS

If the crown tends to polish or cut too slowly with the available bit weight, the formation may not be abrasive enough to expose new diamonds: try using the next higher SERIES bit which will allow the matrix to wear easier. Switching to a turbo waterway may also help prevent polishing; it has less surface area and the restricted flow promotes regrinding of the cuttings to stripping away the matrix.

If the crown wears too quickly the formation may be too abrasive or broken, switch to a lower SERIES bit for a more durable matrix.