

Hole Openers



Flexible Configurations for Expansion of Pre-Drilled Holes

- Pilot designed for control of hole deviation
- Available for up-flush and down-flush applications
- Several grades of carbide and wear protection on head or pilot available
- Numa retention system capable
- Numa drive plate system standard on 10" (254 mm) shank and larger
- Wide range of standard products with other sizes available upon request

Shank	Diameter
QL60 / 360	6" x 8" (152.4 - 203.2 mm) 6" x 10" (152.4 - 254 mm)
QL80 / 380	6" x 10" (152.4 - 254 mm) 8" x 12" (203.2 - 304.8 mm)
N100	8" x 12" (203.2 - 304.8 mm) 8" x 16" (203.2 - 406.4 mm)
P125	8" x 14" (203.2 - 355.6 mm) 12" x 20" (304.8 - 508 mm)
P180 / P185	12" x 20" (304.8 - 508 mm) 16" x 24" (406.4 - 609.6 mm)



The World's **Leading**
Drilling Technology

