

# Product Information

## NUT INSERTED GRINDING WHEELS

### NUT INSERTED & PLATED WHEELS

ISO Type 35: Cemented or Clamped Disc

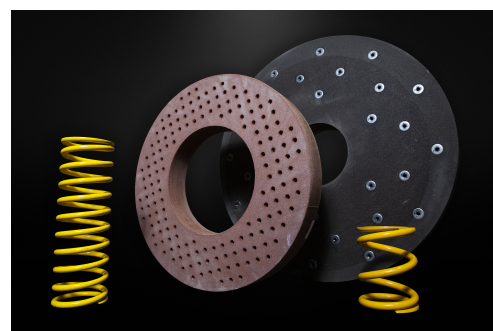
ISO Type 36: Inserted Nut Disc

ISO Type 37: Inserted Nut Cylinder

The ever increasing demand for reductions in the unit cost per work piece ground drives the quest for abrasive wheel manufacturers like Phoenix to continuously strive for technology advantage.

Recent developments in our new organic bond technology has produced new bond systems allowing for the inclusion of ceramic abrasive grits, which provide a unique combination of hardness and toughness with high stock removal and performs equally well grinding ferrous or non-ferrous metals. The benefits delivered from this new generation of wheels, which give 30-50 percent longer life, far out weigh the higher cost of the wheel

Wheel selection is very much influenced by the large grinding contact area and this generally requires soft grade wheels. Disc wheels are often supplied in slotted or perforated form to break up the large surface area. Low surface speeds are used with 28m/s being the maximum recommended. Very hard or brittle materials require lower surface speeds. Grinding machines; Bennetts, Diskus and Giustina take wheels within the diameter range 200mm to 1500mm with various nut patterns for grinding: Springs, Cylinder heads, Piston Rings, Valves, Bearing races, Bearing roller end, Pliers, Spanners and Sockets.



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**ISO 9001-2015**