

# Phoenix Naylor's Abrasives Ltd

## BLADE GRINDING / CRAFT KNIFE BLADES AND SURGICAL BLADES

### Application: Razor Blade Grinding

Phoenix Abrasives speciality is the production of organic bond abrasive wheels and within this section of the bonded abrasive market has particular expertise in the manufacture of warm pressed phenolic bond Hones. These are designed, manufactured and tested in accordance with the European standard ISO.EN12413 (safety requirements for bonded abrasives) and produced in compliance with the quality management system ISO 9001:2015.

The grinding of the steel strip is undertaken within typically a staged grinding process. The Hones are formulated to include silicon carbide abrasive micro grits.

The first stage grind is carried out with Hones within the abrasive grit range 180g, 220g or 240g followed by further two stages of grinding with Hones in the range 400g 500g, 600g. Then a final hone of 700, 800, 1000, 1200 grits. At the end of the process the steel strip is "stropped" with either leathers or with ultra micro grit Hones.

Hones can be supplied as a plain wheel or with a spiral form cut into the wheels.

Wheels are available plain or with left and right hand spirals and the dimensions to suit the customers` machines



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ISO 9001-2015

