

Phoenix Naylors Abrasives Ltd

NEEDLE POINT GRINDING

Needle sharpness is an important factor in ensuring the highest level of patient comfort during penetration and one element of the process to achieve this condition is the correct choice of grinding wheel.

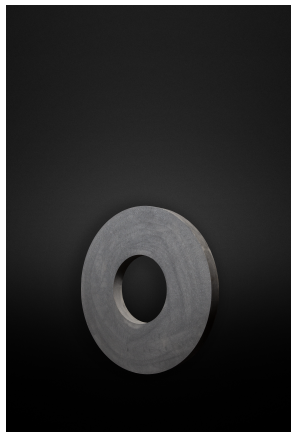
Among the variables that contribute to the needle sharpness are the grind geometry, grinding wheel choice and grinding coolant. The hardness of the tubing is also another important factor as soft tubing will not grind as easily as needle tubing which has been tempered.

Hypodermic needles are traditionally manufactured using conventional grinding techniques. The point consists of three facets, the primary bevel and two lancets. It is therefore important to choose the correct wheel specification and grading to suit the tubing material. Grinding of soft tubing tends to load the wheel if the incorrect wheel choice has been made.

Phoenix Abrasives have been manufacturing high quality abrasives products for precision grinding applications since 1968, gaining particular expertise in grinding needles, razor blades, scalpels and blade sharpening.

All wheel manufacture is carried out at the Chesterfield factory and the wheels are designed, manufactured and tested in accordance with the European standard ISO.EN12413.

Please contact our technical department who will be pleased to make grinding wheel recommendations for your grinding applications.



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