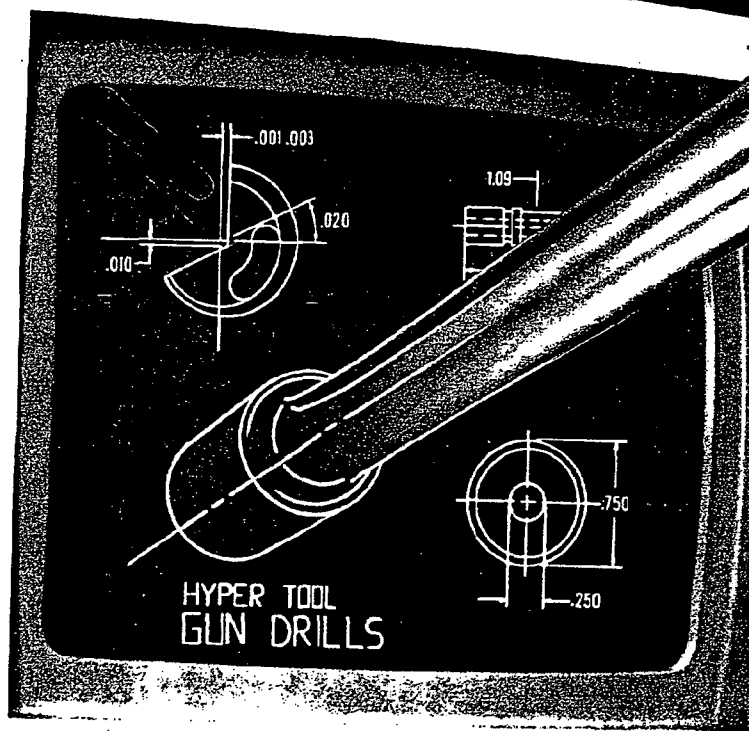


HYPER TOOL

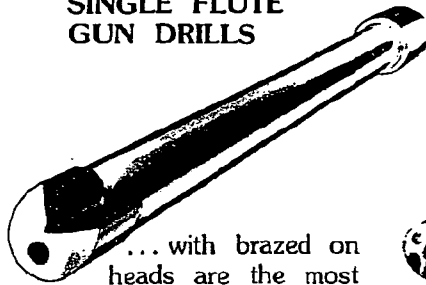


Since 1946

Hyper Tool has been designing and producing state of the art gun drills, gun reamers, and pressure coolant tools since 1946. By cooperating rather than competing with the many fine gun drill machine manufacturers, Hyper Tool has been able to concentrate its efforts in developing what is today the most complete line of pressure coolant tools and related accessories available from any manufacturer.

This brochure is intended to help you identify Hyper Tool as a company you will want to know more about. We have developed a wealth of technical knowledge over the past 40 years which we will gladly share with you.

**SOLID CARBIDE,
SINGLE FLUTE
GUN DRILLS**



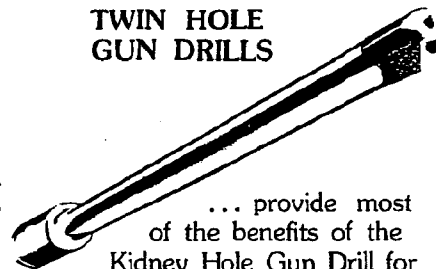
... with brazed on heads are the most economical in diameters under 1-1/8 inch (28.6 mm). The straight fluted tubes are certified aircraft quality heat treated steel.

**NATIONAL STYLE
QUICK CHANGE
DETACHABLE HEAD
GUN DRILLS
(Patent #2,739,496)**



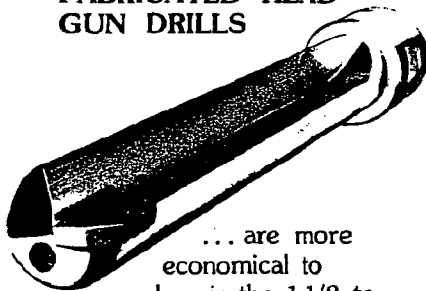
... are available in either *TARGET* or *CENTER CUT* styles from 0.421 to 3 inch (14.3 to 76.2 mm) diameters.

**TWIN HOLE
GUN DRILLS**



... provide most of the benefits of the *Kidney Hole Gun Drill* for sizes above 0.312 inch (7.9 mm) diameter.

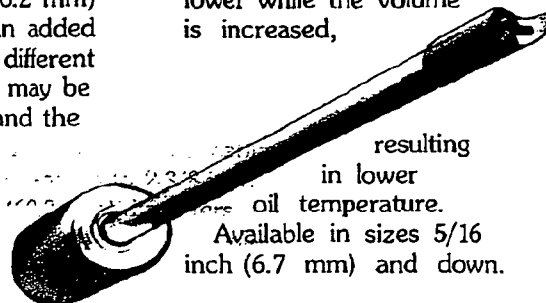
**CARBIDE TIPPED,
FABRICATED HEAD
GUN DRILLS**



... are more economical to produce in the 1-1/8 to 3 inch (28.6 to 76.2 mm) diameter range. An added advantage is that different grades of carbide may be used for the tip and the wear pads.

**HYPER KIDNEY HOLE
GUN DRILLS
(Patent #3,606,560)**

... allow approximately twice the coolant flow of single round hole gun drills. This can provide longer tool life, better chip control, improved finish, and increased penetration rates. Oil pressure can be lower while the volume is increased,



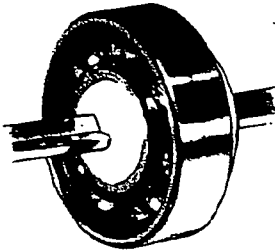
resulting in lower oil temperature. Available in sizes 5/16 inch (6.7 mm) and down.

**GUN
REAMERS**



... available in single or multiple flute designs — both chips-ahead (for thru holes) or chips-back (for blind holes), with or without steps. Primarily used for truing up, sizing, and fine finishing of cored or previously drilled holes.

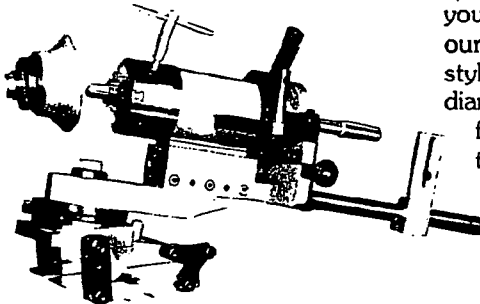
**GIZMO®
WHIP GUIDES
(Patent #3,361,014)**



... dampen vibration, control "whip" and seal the chip box. Available from inventory for most sizes from 0.078 to 2.250 inch (2.0 to 57.2 mm) diameters in single and multiple flute styles.

HYPER GUN DRILL SHARPENING FIXTURE

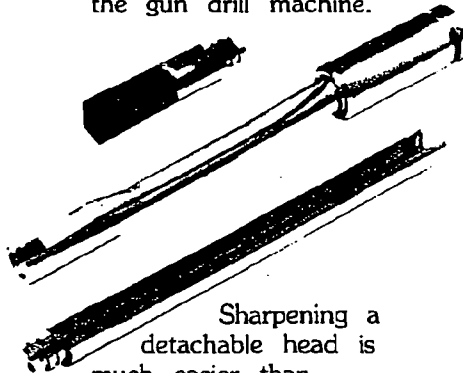
... unique cam design allows consistent reproduction of most tool geometries required for any materials. Mounts on your cutter grinder. Accommodates drills up to 1.718 inch (43.63 mm)



diameter, or detachable heads up to 2-3/8 inch (60.3 mm) diameters, without the use of collets for each diameter drill.

**HYPER THREADLOCK DETACHABLE HEAD GUN DRILLS
(Patent #3,153,356)**

... are particularly appropriate for large diameter, longer length holes. Multiple heads allow for the resharpener of a drill head without having to remove the shank from the gun drill machine.

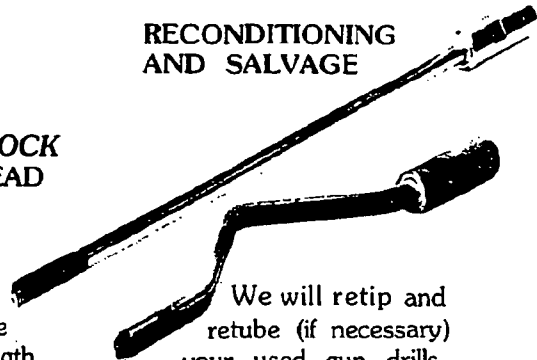


Sharpening a detachable head is much easier than sharpening a long drill of one piece construction.

Hyper can usually convert your standard gun drills to our detachable head style. Available in diameters

from 0.618 to 3.00 inches (15.7 to 76.2 mm).

RECONDITIONING AND SALVAGE

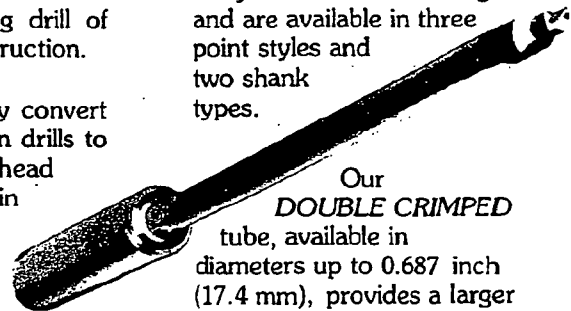


We will retip and retube (if necessary) your used gun drills regardless of their original manufacturer.

TWO FLUTE GUN DRILLS

... are used in high production situations where increased penetration justifies other costs. The twin cutting edge, two hole design allows for a distributed chip load with an even wash of chips down the flutes.

They are all center cutting and are available in three point styles and two shank types.



Our **DOUBLE CRIMPED** tube, available in diameters up to 0.687 inch (17.4 mm), provides a larger chip removal area in the flutes, which is especially favorable when drilling cast iron and aluminum.

The **MILLED FLUTE** type construction is most appropriate in larger diameters requiring more rigid construction.

Innovation • Integrity • Quality • Dependability



For when the One
Great Scorer comes
to write against
your name He writes -
Not that you won or
lost - but how you played
the game.

Innovation • Integrity • Quality • Dependability

HYPER TOOL



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