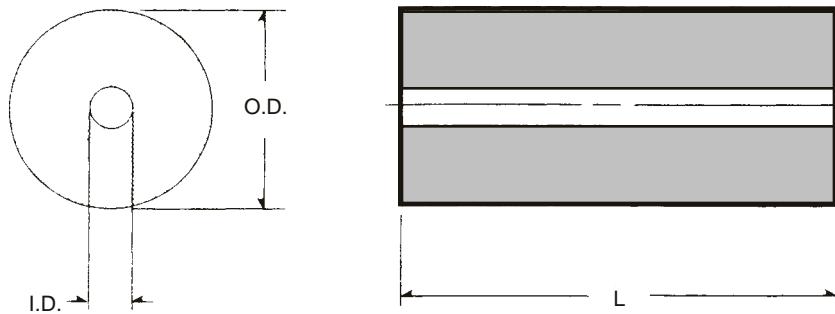


SEMI-FINISHED CARBIDE INSERTS



INSERTS MADE TO ORDER

Standard Tolerances

- O.D.- Outside Diameters are accurately ground to specified sizes plus .0005" (.013mm), minus .0000 tolerance
- I.D.- Inner Diameter is burned on a wire EDM, then lapped and honed **straight** and **round** with a minus .003" (.08mm) to minus .005" (.13mm) tolerance
- L - Ends are ground square with O.D. to a plus .010" (.25mm) to a plus .020" (.51mm) tolerance
- T.I.R.- Less than .001" (.025mm)

Sizes to 1.500" (38.1mm) O.D. and 3.000" (76.2mm) Long

Other tolerances are available up request.

All grades of carbide are available.

OUR STRAIGHT HOLES MEAN . . .

- . . . BETTER QUALITY FINISHED DIES
- . . . EXTRUSION DIES THAT ARE CONCENTRIC
- . . . MULTIPLE INSERTS WILL BE CONCENTRIC

WARNING

Any heading punch may break or shatter under improper use. Government regulations require use of safety glasses and other appropriate safety equipment at all times in the vicinity of use.