## Cutting Tool Solutions

## Pilot Pins

## The pilot pin or centre pin as it is also known, forms an integral function of the annular broaching cutter.

1. Centralises the position of the hole on the pre-marked steel.
2. Lubricates the cutter internally by acting as a flow tap for the coolant as it retracts into the spring loaded machine arbor, increasing tool life and ensuring slug ejection.
3. Ejects the solid slug of steel on completion of the hole.


JEl's range of pilot pins are fully CNC ground to ensure correct fitting to the cutter, and maximum deferral of breakage.

| PART NUMBER | $\begin{array}{c}\text { OVERALL LENGTH } \\ \text { (MM) }\end{array}$ | DIAMETER $\emptyset$ |  |
| :--- | :---: | :---: | :---: |\(\left.\quad \begin{array}{c}USE WITH JEI CUTTERS <br>

(IF APPLICABLE)\end{array}\right]\)

## Detachable Pilot Pins

When cutting through a solid plate with a thickness of more than 50 mm , the standard pilot pin will not retract further into the machine arbor. At this stage, the pilot pin is normally removed and replaced with a shorter version to complete the hole operation, or the operator will simply not use a centre pin for the hole, an option which will almost definitely result in cutter breakage.
JEl's solution is the 2 part detachable pilot pin which will allow cutting of solid steel up to $150 \mathbf{~ m m ~ ( 6 " ) ~}$ thick without completely having to remove the pin during operation.

| PART NUMBER | OVERALL LENGTH (MM) |  | DIAMETER $\varnothing$ |
| :--- | :---: | :---: | :---: |
| JEIPILOT3/8MMD | $130 / 80$ | 7.98 | USE WITH JEI CUTTERS <br> (IF APPLICABLE) |
| JEIPILOT4/8MMD | $157 / 107$ | 7.98 | Turbo Tough 80 mm D.0.C $20 \mathrm{~mm}-66 \mathrm{~mm} \varnothing$ |
| JEIPILOT6/8MMD 100 mm D. $0 . \mathrm{C} 20 \mathrm{~mm}-66 \mathrm{~mm} \emptyset$ |  |  |  |



