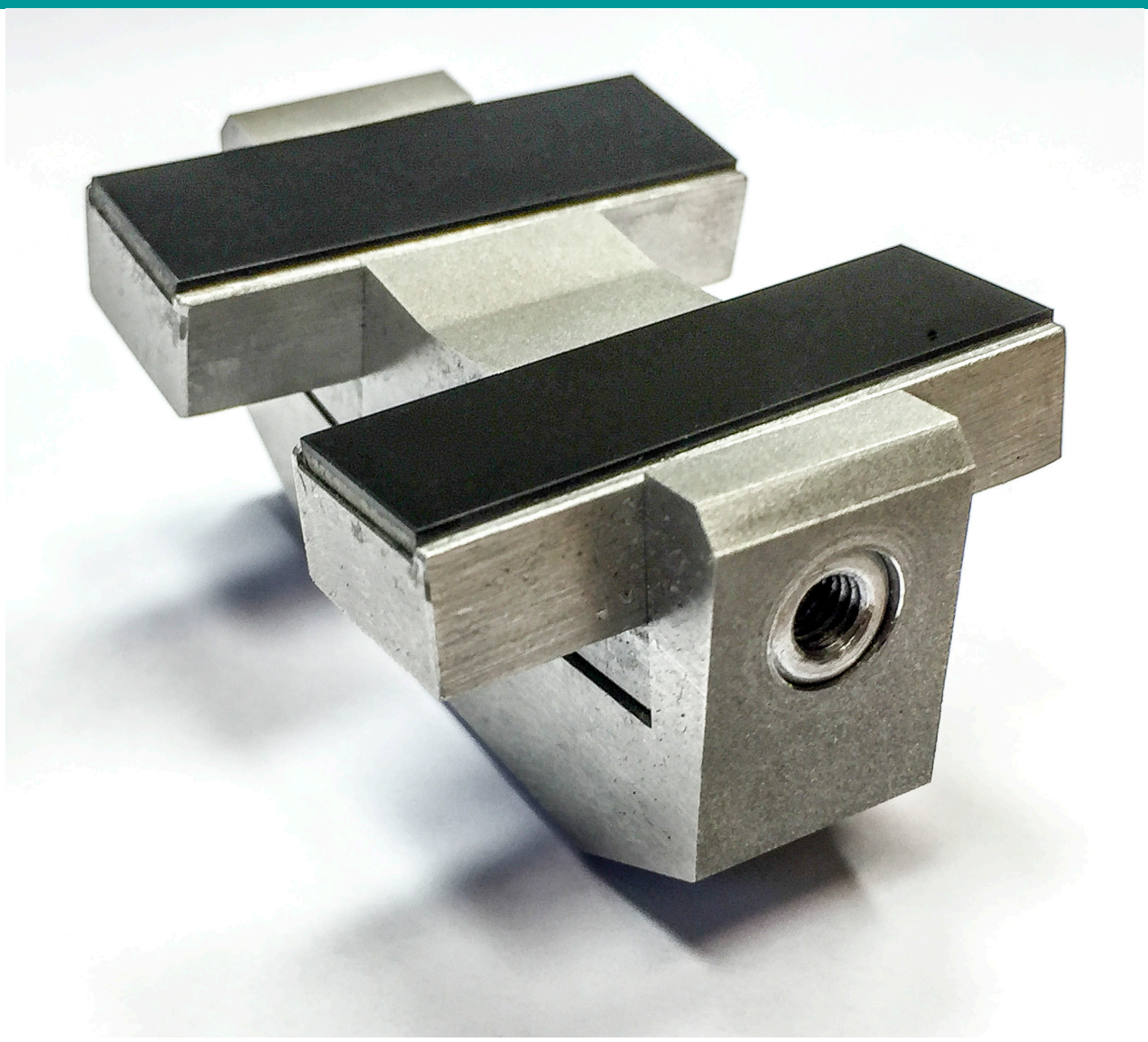
PCD Support/ PCD Reference Details



Performance and Endurance
For High Precision Machining

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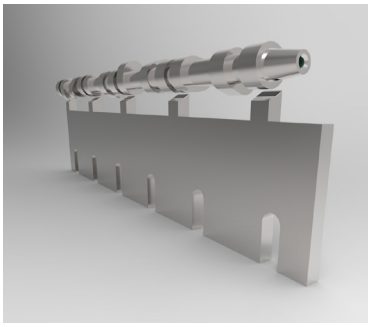
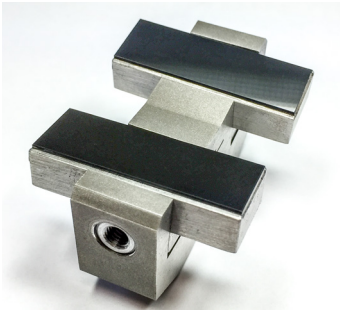
Dianor are experts at PCD (Polycrystalline Diamond) a superior material regarding resistance and low friction.

PCD-wear parts, when possible to use, offers outstanding performance. Extreme tool-life gives good tool economy.

Examples of applications of diamond-equipped support details:

- Wear parts
- Rest blades and tool setups for centerless grinding
- Support for grinding and turning operations
- Centering and positioning details for grinding operations
- Measuring jigs
- Measuring arms/points





Example PCD-support

Savings/benefits when using diamond equipped support details

The full benefits of having reference surfaces which practically do not wear is difficult to see and evaluate. Simply put: once begun to use diamond tools you don't want to switch to the old one. *This describes a not uncommon process of our customers:*

1. Toolcost

a tool not worn last longer and, despite that the initial cost can be higher than the corresponding detail in e.g. tungsten carbide, refurbished again to reduce costs.

2. Set-up and adjustment costs

Reduced set-up and adjustment costs by the tool lasting longer, not needing replacement as often. This will reduce setup times. Because the wear usually is non-existent, it is fewer parameters in the operation to keep track to set up process. Just the time savings during set-up can often provide significantly greater savings than those made from tooling cost.

3. Quality costs

An absolute reference provides constant conditions in the operation. The spread of measurements becomes less in addition to roundness etc. often gets better. This means that the control and error costs can be reduced.

4. Quality improvements

A smaller spread of measurements eg. better roundness gives a higher quality of the final product, which provides a competitive advantage. The ability to use closer tolerances can sometimes be used in the construction or to simplify subsequent operations or assembling.

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