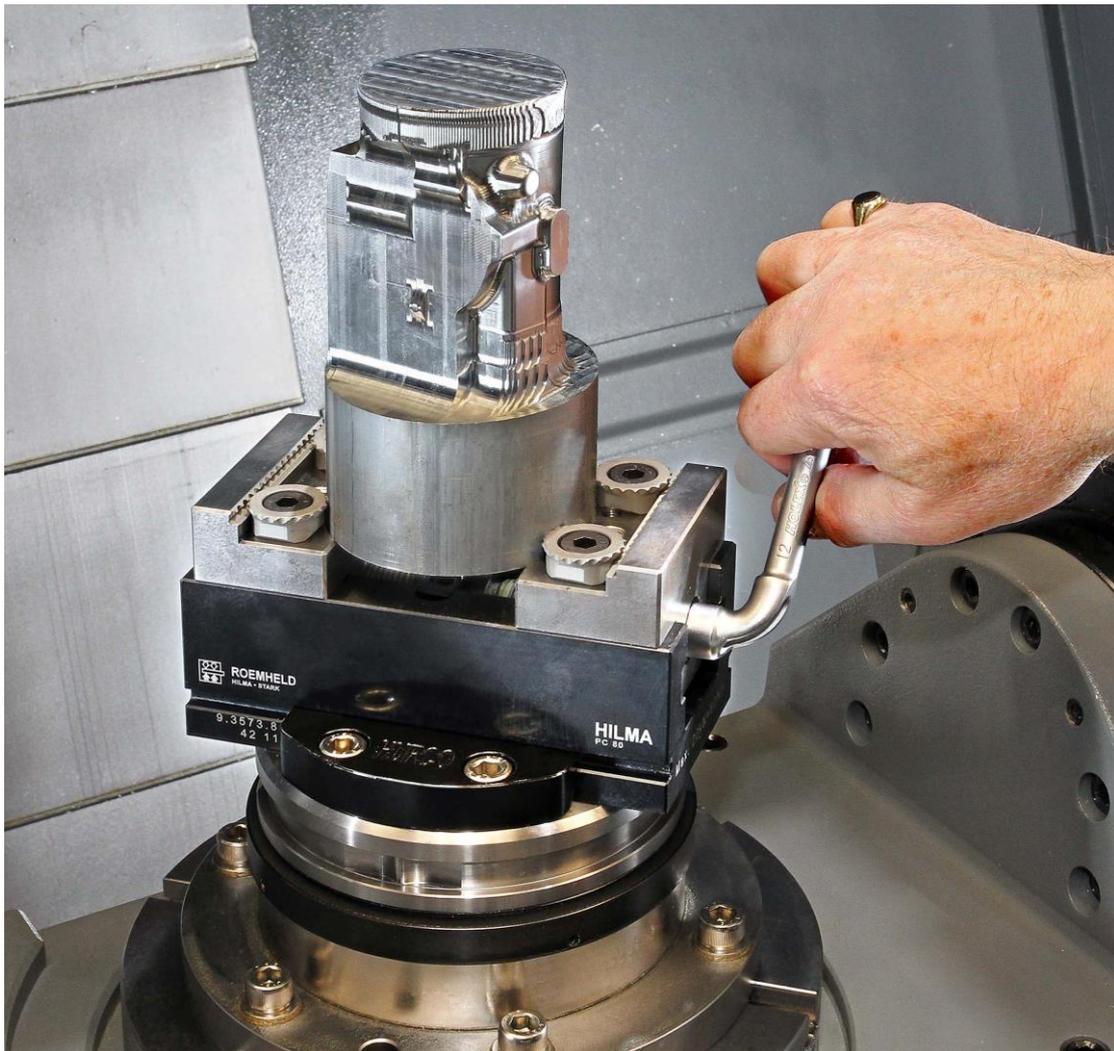


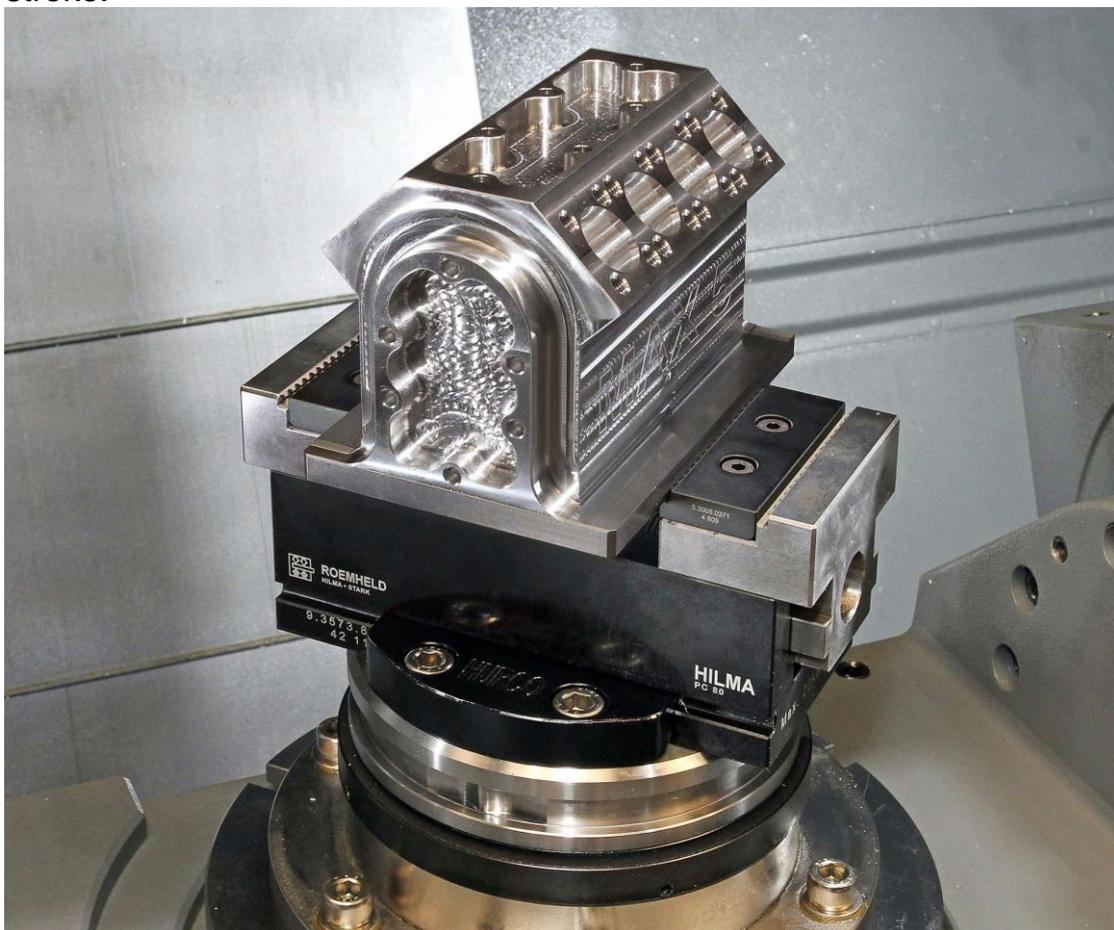


VICE HOLDS CYLINDRICAL OR PRISMATIC PARTS FOR 5-AXIS MACHINING

The PC80Z self-centring vice from Roemheld is available in a new, two-in-one version that accepts the manufacturer's optional round inserts, enabling cylindrical components or billets from 44 to 95 mm in diameter to be clamped securely. There is now no need for a machinist to buy a bespoke workholding solution or machine sets of soft jaws to hold parts of different diameters.



The vice can be converted back within a couple of minutes to its conventional role of holding prismatic components. It simply requires the Allen bolts holding four round inserts to be unscrewed and the pair of straight, 80 mm wide jaws to be reinstated. Parts from 17 to 139 mm long can then be secured for metalcutting using the 62 mm clamping stroke.



Of 60 mm overall height, the low-profile unit ensures that not much Z-axis travel is lost on a vertical machining centre. Additionally, despite its all-steel construction, the light weight of only 6 kg avoids taking up undue allowance from a machine's maximum pallet load, enabling heavier parts to be produced.

Well suited to use on 5-axis machining centres and in automated production cells employing pallet magazines, the vice is fitted as standard with the Lang interface for added versatility. Clamping force is 20 kN at 60 Nm closing torque. The device is easy to disassemble and clean, minimising loss of productivity during routine maintenance.

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Two photographs attached:

1. The Roemheld PC80Z self-centring vice in its new configuration with round inserts clamping a cylindrical component.
2. The PC80Z vice can be converted back in a couple of minutes to hold a prismatic component between a pair of straight jaws.

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