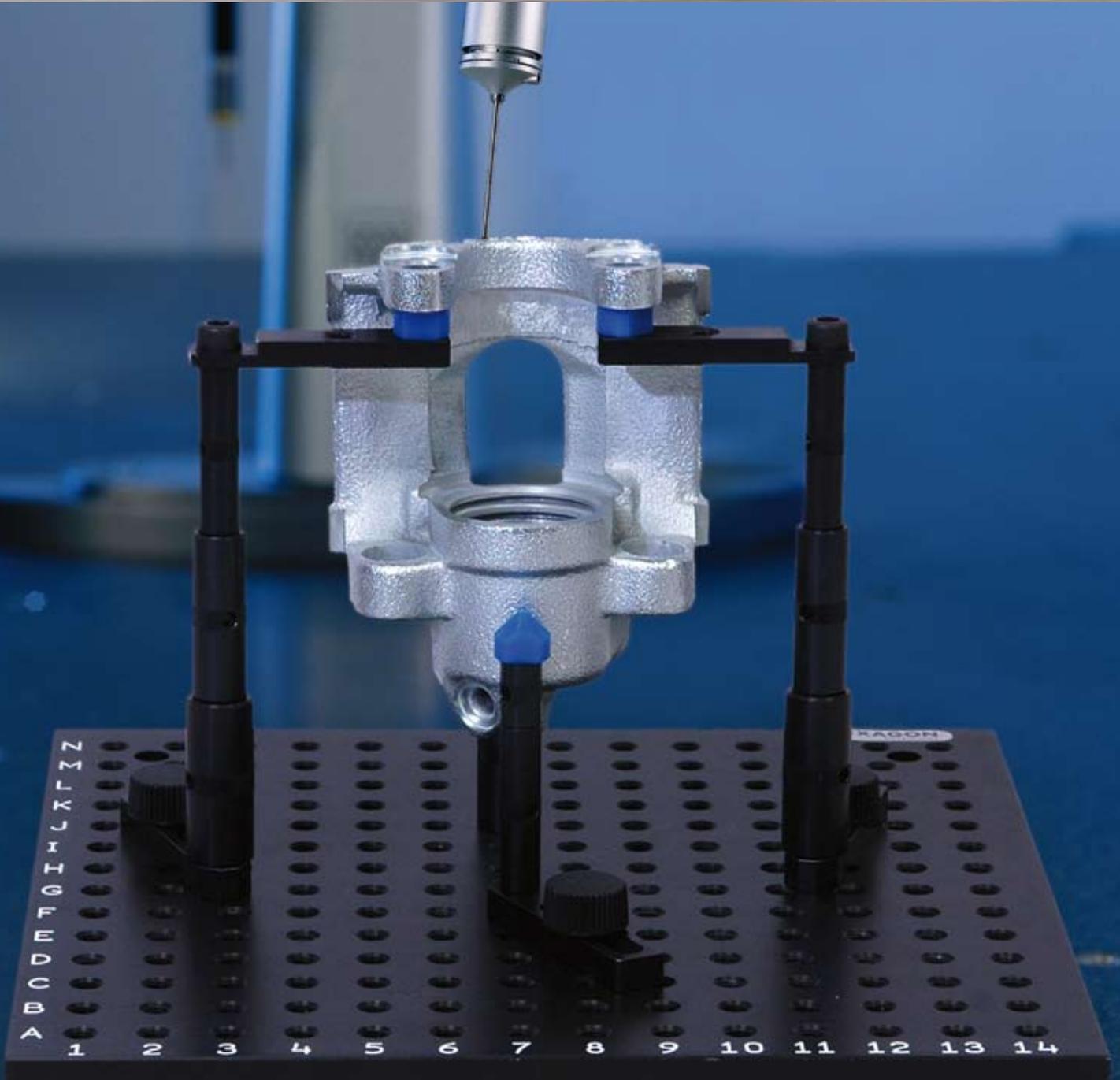


Swift-fix
Metrology Fixturing
& Part Holding Solutions



www.hexagonmetrology.com



brown & sharpe



CE JOHANSSON



pc·dmis

QUINDOS

ROMER





The Kinematic system allows for fixtures to be removed and replaced on the CMM without the need to manually re-align the fixture in the Metrology software, thus ensuring repeatability and time saving

A unique collection of fixturing and work holding systems from Hexagon Metrology

Swift-fix has been developed by Hexagon Metrology, a world leading CMM manufacturer, who recognise the need for a fixturing system that allows maximum access to the part to be measured.

Maximum accessibility

By virtue of the complexity of many of today's manufactured components, the held part needs to be uncluttered and the holding & clamping has to be discreet, to allow the measurement probe room to obtain the maximum accessibility.

Wide range of accessories

A wide range of accessories is available to suit every type of component holding. The basis of the system is the Stand-off which screws into the base plate and is available in a variety of diameters and lengths. These also connect to each other so that exact heights can be reached.

Fittings are available which connect to the end of these stand-offs to give even greater holding flexibility and include stand-off pins, magnets, cones, universal joints, vee locators, height adjusters etc. In addition thumbscrews, toggle clamps, spring plungers and tension spring posts are available to provide an infinite variety of solutions, in fact no matter how awkward the component, Swift-fix offers a solution for holding it.

Swift-Pod – Aerofoil clamping

Primarily aimed at holding a range of Aerofoils especially those with a fir tree root, this system compliments the Swift-fix Modular System. Standard, reversible location jaws can accommodate forms that use a roller size from 1mm up to 6mm. The Jaws have a Vee form and therefore does not need to accurately repeat the Roller dimension.

Major benefits:

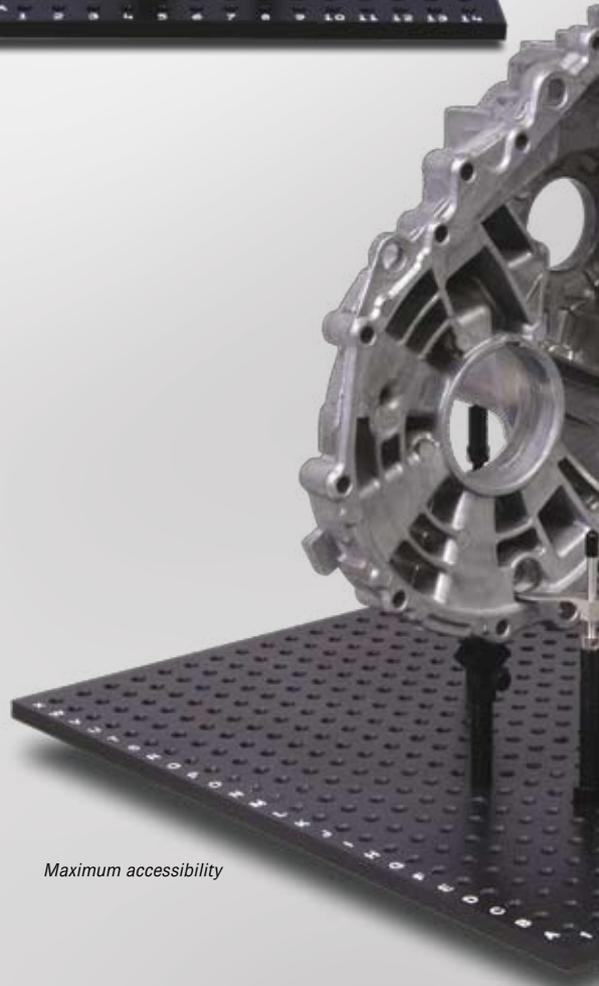
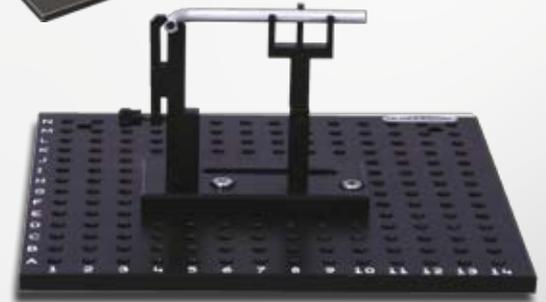
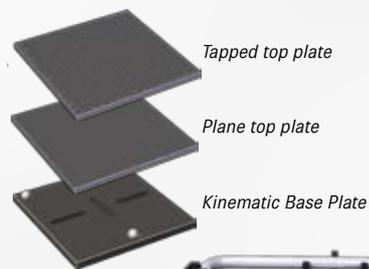
- Repeatable location
- Maximum access for probing.
- Interchangeable & reversible location jaws
- Jaws made from stainless steel with ground faces
- Twin pivot arm position to increase component capacity
- To suit Ø1 to 6mm roller sizes
- Dual clamping, spring or thumbscrew
- Adjustable end stop, fits either side
- Secures to any Swift-fix baseplate

Swift-Pod

Base plates and Top plates

Swift-fix can be supplied with a Kinematic base plate. This plate is secured in the measuring volume allowing easy changing of component fixtures.

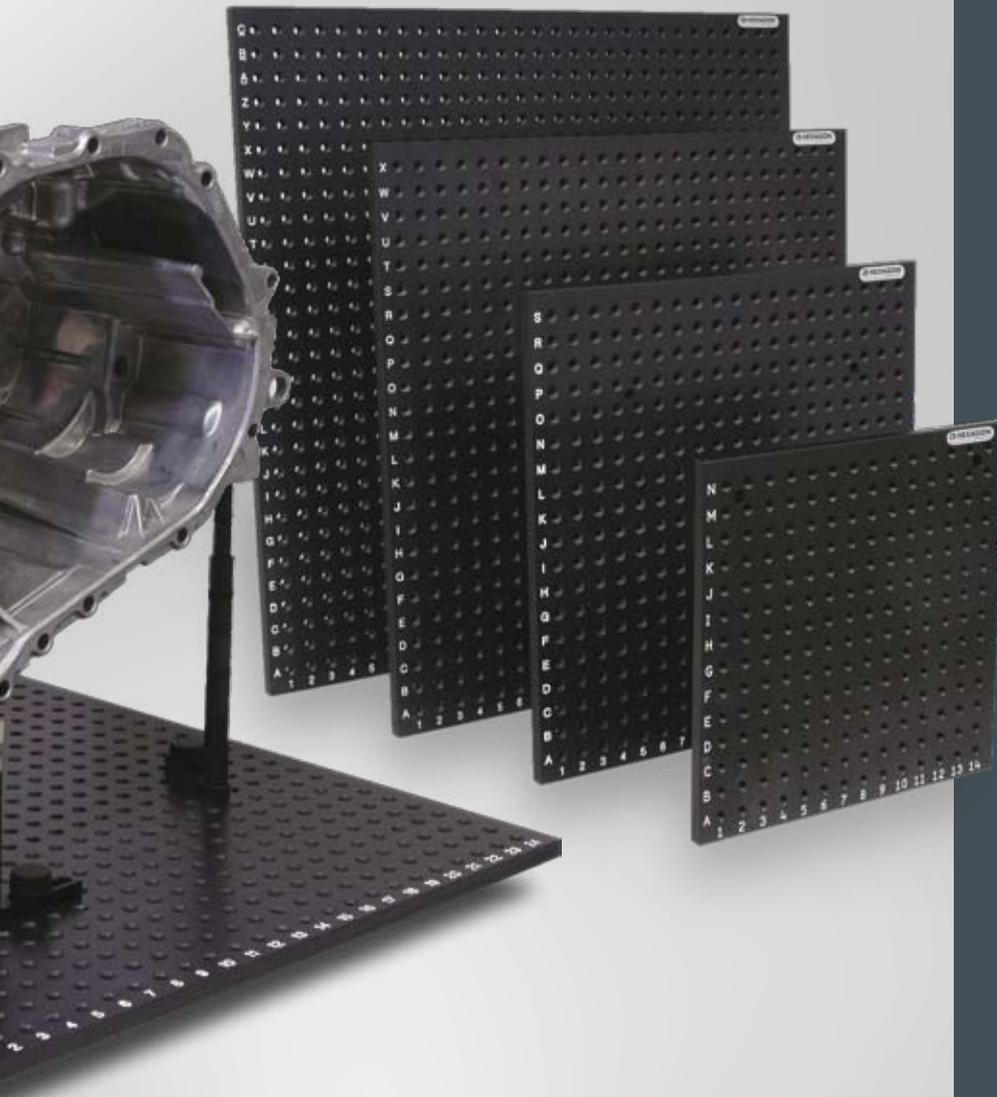
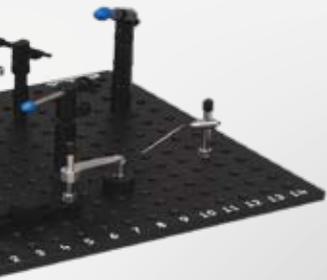
Kinematic top plates are available with M8 Tapped holes and also as a plain plate for you to create your own dedicated fixture



Maximum accessibility

PC-DMIS Quick-fixture

Quick-fixture is for users of PC-DMIS, the software offered on all new systems and upgrades from Hexagon Metrology. An option built into the software allows the user to build a fixture around the CAD model of the part inside the PC-DMIS 3D environment.



Swift-fix kits are available in several configurations to suit most fixturing requirements. Items are also available for purchase individually.



Standard Kit



Lite Kit

Sizes to suit all applications

Flexibility is another major requirement, particularly where component size varies. Another unique feature of Swift-Fix is that it is a modular system which allows base plates to be linked together to suit larger components and ensure the hole pitch between plates is maintained.

Base plates are available in the following standard sizes

300 x 300mm

400 x 400mm

500 x 500mm

600 x 600mm

Non standard sizes can be supplied to customers requirements.

Hexagon Metrology

Hexagon Metrology is part of the Hexagon AB Group and includes leading metrology brands such as Brown & Sharpe, CE Johansson, CimCore, CogniTens, DEA, Leica Geosystems (Metrology Division), Leitz, m&h Inprocess Messtechnik, PC-DMIS, QUINDOS, ROMER, Sheffield, Standard Gage and TESA. Hexagon Metrology brands represent an unrivaled global installed base of millions of Coordinate Measuring Machines (CMMs), portable measuring systems and handheld instruments, and tens of thousands of metrology software licenses. Hexagon Metrology empowers its customers to fully control manufacturing processes that rely on dimensional precision, ensuring that products manufactured precisely conform to the original product design. The company offering of machines, systems and software is complemented by a wide range of product support, aftermarket and value-added services.

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