



MC

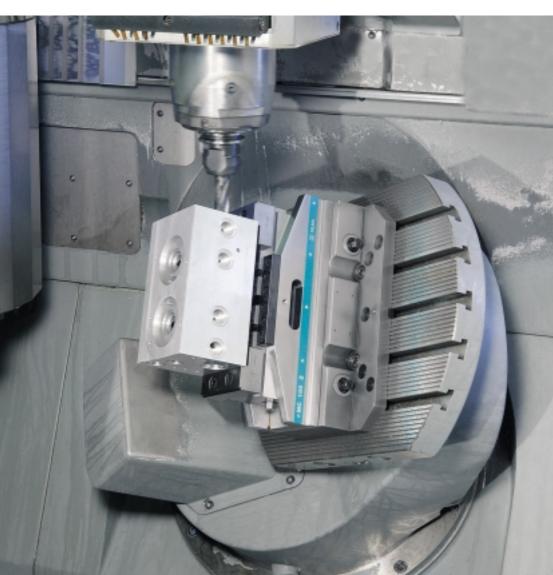
### **MC / Quintus** mechanical and hydraulically operated



MCMCMC







**MC-Clamping System with Quintus Quick Clamping Block** 

#### MC + Quintus: flexibility and high efficiency for 5-axis machining

**MC Clamping System:** Free access to the workpiece is absolutely essential for optimum and complete machining of a workpiece on all sides.

Simple and robust construction, smooth surfaces, easy cleaning.

Special jaws as well as the basic soft jaws for machining by the customer to suit his specific needs enlarge the range of applications. Grip jaws and V-type jaws enhance the retention force on the workpiece. **Quintus Quick Clamping Block:** Zero point exact set-up of different clamping devices in a few seconds!

A basic set of equipment (MC vice, change pallets machined by the customer as well as change pallets with 3 jaw chuck), is adapted to suit the Quintus quick clamping block.

Other flexible applications may be carried out by using customer-specific special solutions or by changing pallets equipped with jaw chucks or draw-in collet chucks.





- 1. Compact clamping system MC 125 Z, concentric with special jaws (optional)
- 2. Compact clamping system MC 100 Z, concentric with standard reversible step jaws
- 3. Compact clamping system MC 60 Z, concentric standard jaws with drooping shoulders
- 4. Compact clamping system MC 60, standard design clamping against fixed jaw
- 5. Compact clamping system MC 40 Z, concentric ideal as part of a device



A wide range of positioning and fastening possibilities (grid tap holes, fitting holes, pull-in bolt)



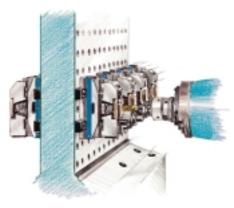
#### **Examples MC:**



... with standard and special clamping jaws



... as a modul for standard devices



... for space-saving multiple clamping applications



... on reversible clamping systems (4th axis)

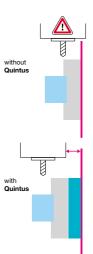
### **Quintus Quick Clamping Block**

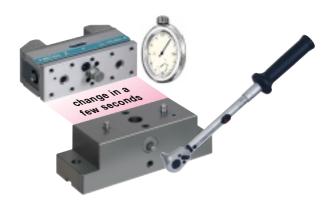


Quintus changes the workpiece position on 5-axis machining centres. This help to achieve optimum degree of freedom for the tool.

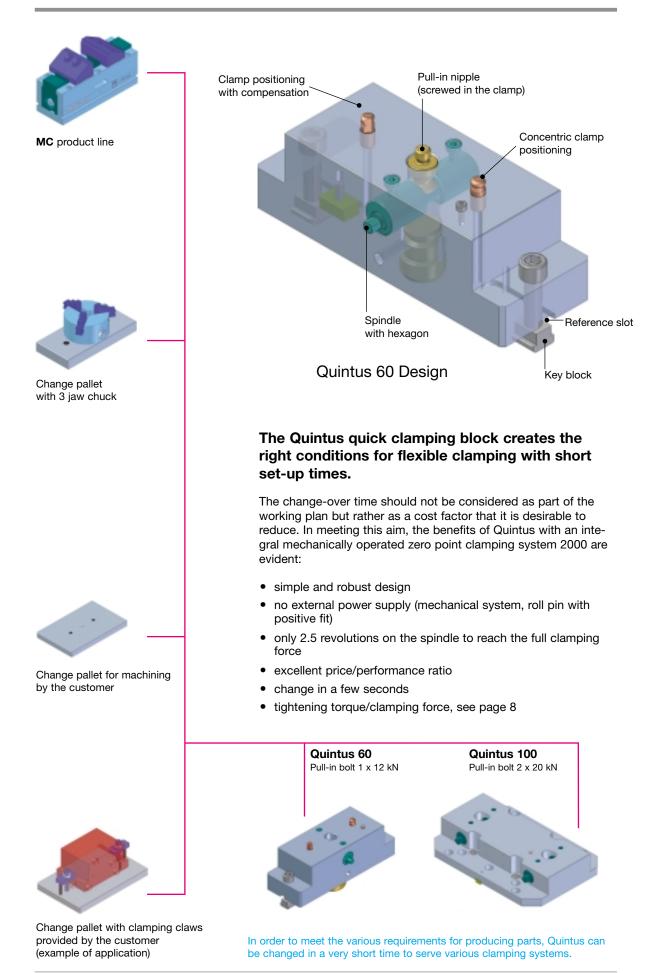
By virtue of the fact that it is centrally located at the crossing point of the table, even short standard tools can be used.

Optimising economic efficiency requires rapid and precise change of clamping elements. Quintus with its integral mechanical zero-point clamping system provides the necessary preconditions.







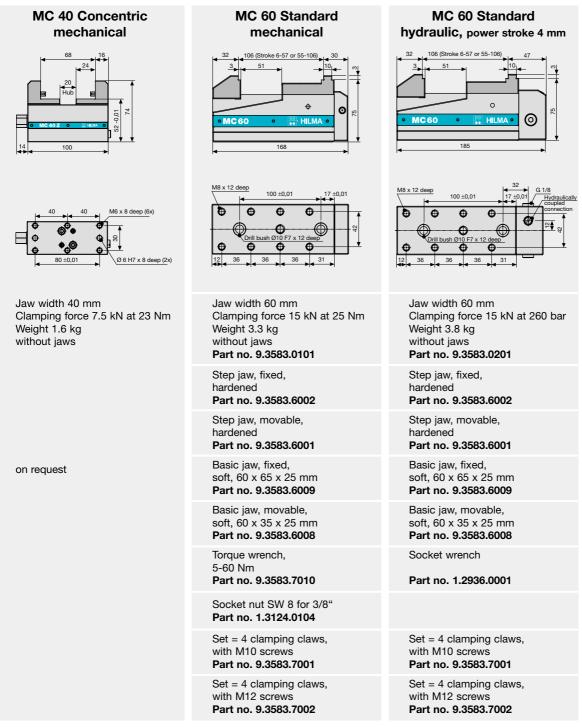




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#### **Technical Data MC Clamping Systems**



If special jaws are to be fitted, we will be pleased to provide a pdf file with jaw fitting dimensions. They may also be found on our website www.hilma.de (Workholding systems).

#### Standardised versions for zero point clamping and changing systems

#### MC 60 for STARK 'Speedy 1000' system



with:

9.3297.8011 adapter plate



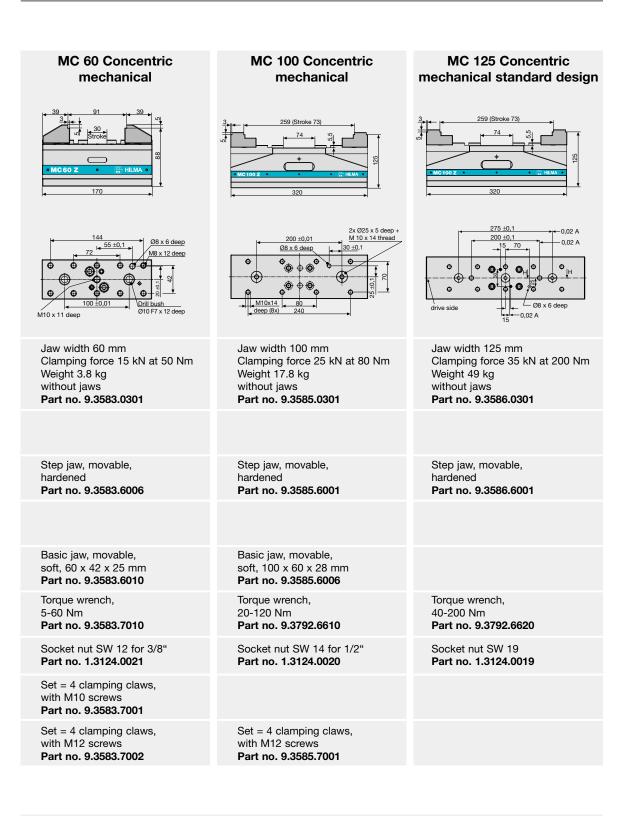
MiniClamp: 9.3583.0101 (see above) 9.3583.0201 (see above) (factory-mounted) 9.3583.0301 (see above) weight 1.4 kg

with: 9.3297.8012 adapter plate



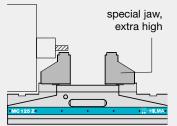
MC 60 for STARK 'Speedy 2000' system





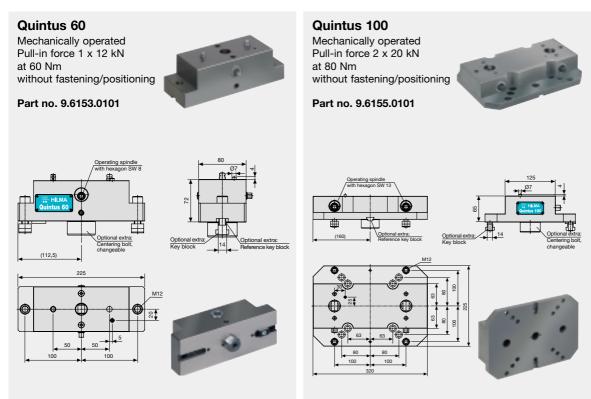
MC 125 Zentric special design, slide stepped Part no. 9.3586.8102

Special jaw extra high (piece) Part no. 9.3586.6003 step jaw, movable, and torque wrench, please see MC 125 Standard

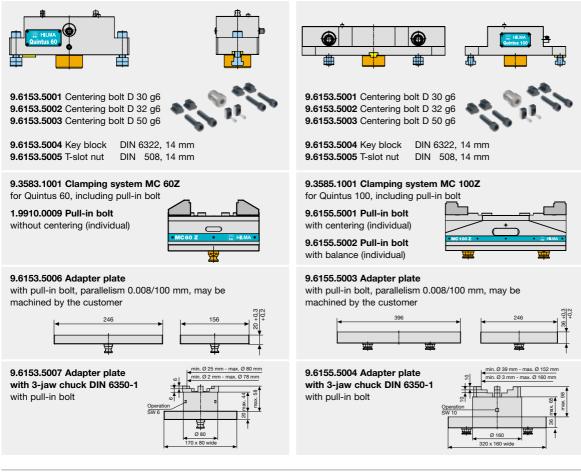




#### **Technical data for Quintus Quick Clamping Block**



#### Accessories: Fastening and positioning



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