



_ EXPERTISE IN MACHINING

Walter boring and precision-boring tools: Systematically towards success.

Tool solutions

Boring and
precision-boring



Walter Boring with Walter Capto™.



The new Walter universal geometries E47 and MP4 are ideal for boring either with or without interrupted cuts. The indexable insert geometry E47 with straight cutting edges is fully sintered around the circumference and has a new geometry with variable groove width for excellent chip breaking. The indexable insert with MP4 geometry is ground around the circumference, which makes it suitable for precision use. The E47 is available with Tiger-tec® coating and the MP4 with Tiger-tec® Silver coating and, depending on the application, in the basic shapes CC..., SC..., and WC...

The Walter Capto™ interface cannot be beaten when it comes to universality. It is suitable for stationary and rotating operations and can be used on machining centres and multi-tasking machines. In addition to flexibility, it is also its stability that particularly sways users in favour of the Walter Capto™ interface.



Walter Boring LWS is the reduced-weight version of Walter Boring^{MEDIUM}. With approximately 50 percent less weight, the tool is easier to handle and does not overstress the spindle, as less mass has to be accelerated and braked. This tool is available in the most varied of dimensions (from 90 to 110 mm and 110 to 153 mm) and wins favour with machinists through its high level of stability.

*LWS = Light Weight Solution
(reduced-weight version)



The digital version of Walter Precision boring tools take another step further when it comes to accuracy. The digital display allows μm -precise adjustment. Backlash-free fine adjustment is 0.002 mm on diameter and automatic unbalance compensation is absolutely maintenance-free. Available with solid-carbide boring bar or as a cartridge version in diameters from 2 to 124 mm.



Also available as a set.

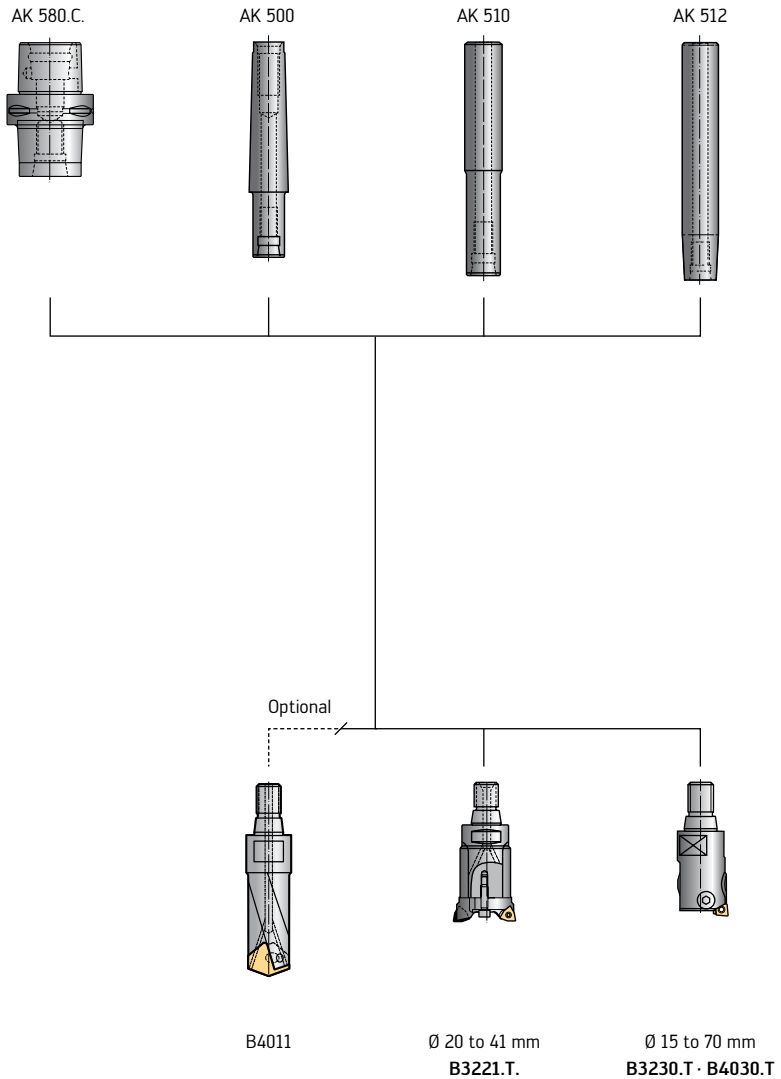
The Walter single-edged precision-boring tool with Walter Capto™ or Walter ScrewFit interface allows convenient analogue readings. Adjustment accuracy is 0.002 mm. With three cassette sizes (mini, midi, maxi), this tool covers an extremely wide range of diameters (2 to 640 mm). A range of indexable inserts exactly matched to the tool ensures excellent machining rates.



The tools can also be used for reverse machining in the diameter range between 28 and 203 mm.

Extremely precise: Walter Precision with Walter Capto™.

Walter boring tools: For cost-efficient boring.



Walter Boring is our flexible, modular-design tooling system for cost-efficient boring in almost all commonly used materials. Thanks to the secure and reliable Walter Capto™ toolholders, these indexable-insert tools can be used at high torque levels.

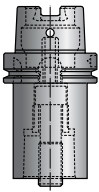
Depending on the material, the appropriate Walter indexable inserts are used and win over machinists because of their excellent

chip-breaking performance. Cooling is provided directly to the cutting edge by an internal coolant supply.

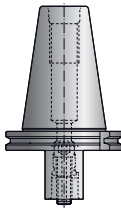
The system covers an extremely wide range of diameters from 20 to 640 mm and finds favour with users for symmetrical and radially offset roughing.



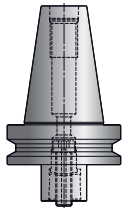
HSK Capto™
C...390.410



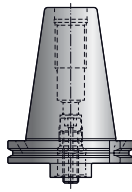
SK Capto™
C...390.140



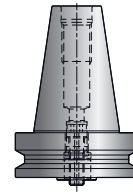
MAS BT Capto™
C...390.55/58



SK** Capto™
C...390.540

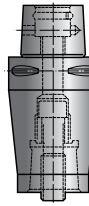


MAS BT** Capto™
C...390.555/558

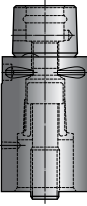


** BIG-PLUS SYSTEM,
Licensed BIG DAISHOWA

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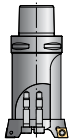


Intermediate
adaptors

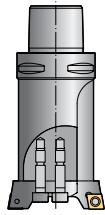


C...391.01

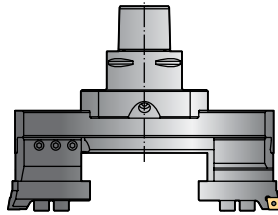
Optional



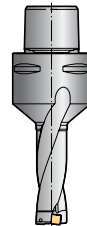
Ø 20 to 41 mm
B3221..



Ø 41 to 153 mm
B3220.C.



Ø 150 to 640 mm
B3220.C.



B421x.C.



Solid carbide drills

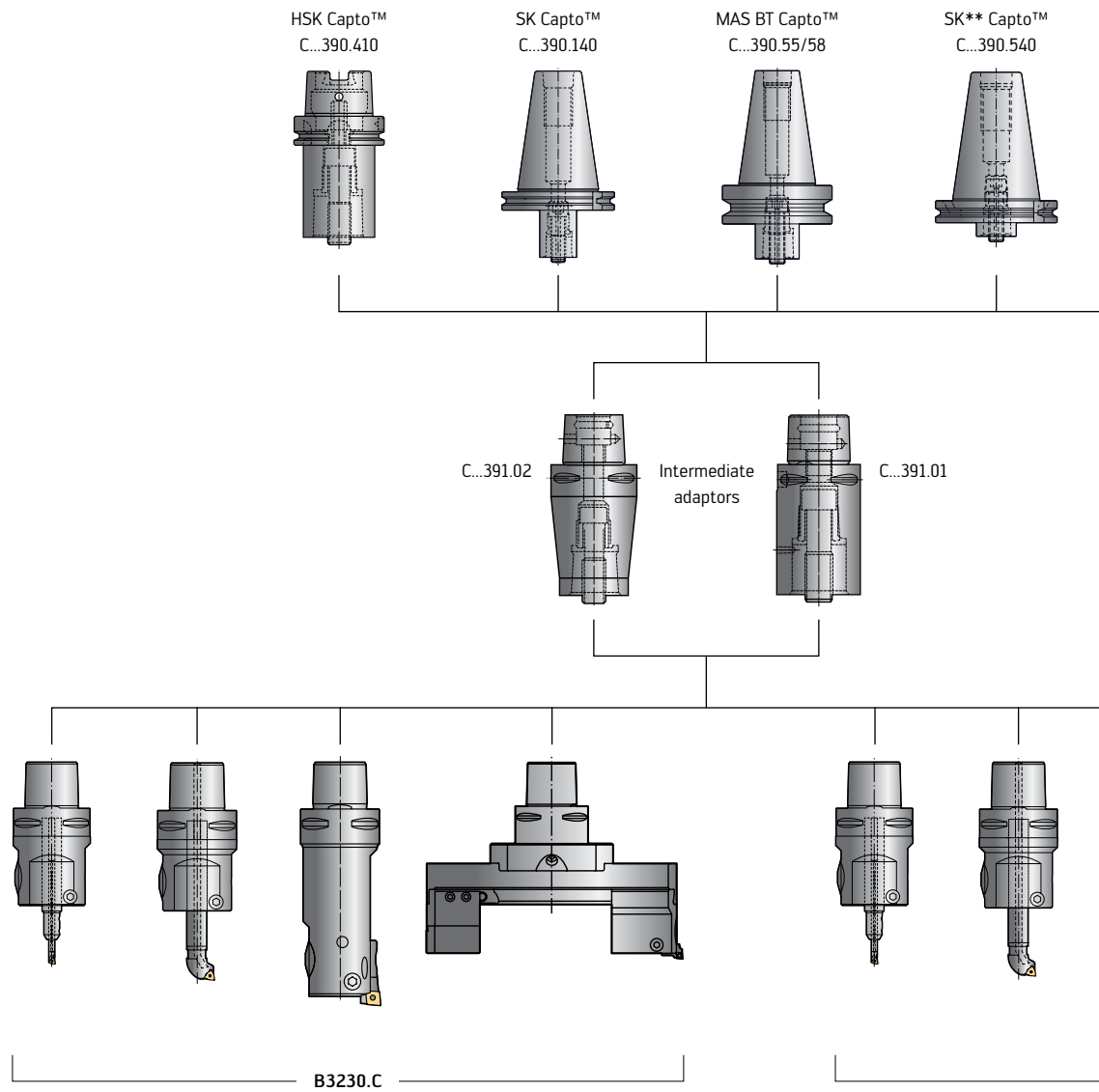
Its extensive range of modular components (adaptors, extensions and indexable inserts) makes the system flexible and easy to handle.

In actual machining, the Walter Boring system is distinguished by its performance and cost efficiency. That makes this powerful tooling system particularly suitable for general mechanical engineering, vehicle manufacturing and the power plant industry.

In terms of a boring system, Walter Boring is exactly matched to the Walter Precision precision-boring system (opposite page).

As a result, users have a powerful duo to hand for cost-efficient boring and precision-boring.





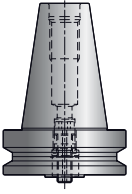
Boring is followed by precision-boring. Here too, Walter offers its users something special: Walter Precision with Walter Capto™ is our precision-boring tooling system. It is characterised by its precise results, process reliability and cost efficiency.

Walter Precision is suitable for finish-machining (IT6) accurate holes in all materials. The single-edged precision-boring tools are available

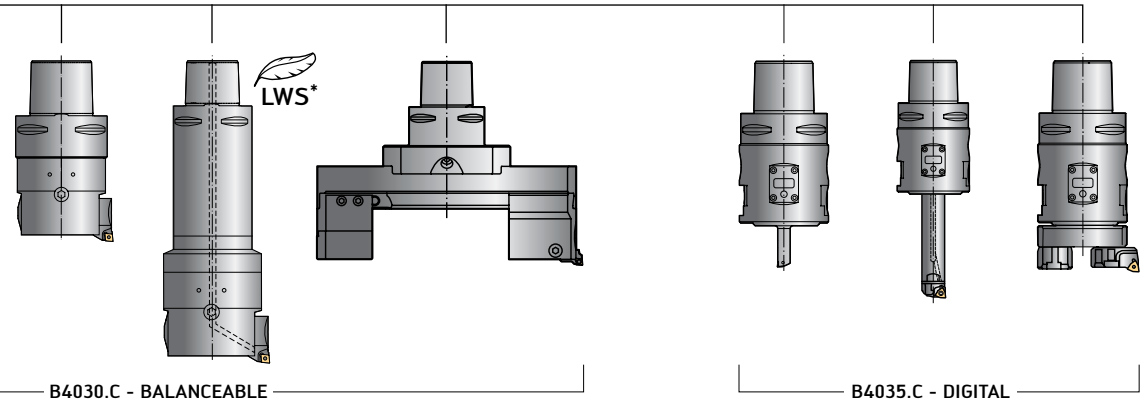
in an analogue design or as a digital version for μm -precise adjustment with optoelectronic measuring system.

In the analogue variant, the diameter range is from 2 to 203 mm and, in the bridge design made of aluminium, from 150 to 640 mm. The digital tools are suitable for high-precision holes with a diameter of 2 to 124 mm.

MAS BT** Capto™
C...390.555/558



** BIG-PLUS SYSTEM,
Licensed BIG DAISHOWA



In addition to the Walter Capto™ adaptor, unbalance compensation ensures that higher cutting data and torque levels can be used.

Because of the wide range of cutting tool materials and geometries, any machining task can be resolved cost-efficiently with the appropriate indexable insert.

Walter Precision tools can be used in those areas where maximum precision is demanded, such as in the aerospace industry, mould and die making, general mechanical engineering and the manufacture of very high precision components.

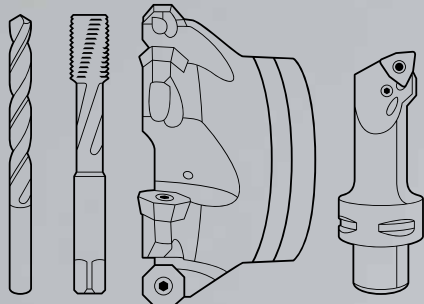
*LWS = Light Weight Solution
(reduced-weight version)

Walter Precision Boring: Systematically towards maximum precision.

Walter AG

Derendinger Straße 53, 72072 Tübingen
Postfach 2049, 72010 Tübingen
Germany

www.walter-tools.com



Walter GB Ltd.

Bromsgrove, England
+44 (1527) 839 450, service.uk@walter-tools.com

Walter Kesici Takımlar Sanayi ve Ticaret Ltd. Şti.

Istanbul, Türkiye
+90 (216) 528 1900 Pbx, service.tr@walter-tools.com

Walter Wuxi Co. Ltd.

Wuxi, Jiangsu, P.R. China
+86 (510) 8241 9399, service.cn@walter-tools.com

Walter AG Singapore Pte. Ltd.

+65 6773 6180, service.sg@walter-tools.com

Walter Korea Ltd.

Anyang-si Gyeonggi-do, Korea
+82 (31) 337 6100, service.kr@walter-tools.com

Walter Tools India Pvt. Ltd.

Pune, India
+91 (20) 3045 7300, service.in@walter-tools.com

Walter (Thailand) Co., Ltd.

Bangkok, 10120, Thailand
+66 2 687 0388, service.th@walter-tools.com

Walter Malaysia Sdn. Bhd.

Selangor D.E., Malaysia
+60 (3) 8023 7748, service.my@walter-tools.com

Walter Tooling Japan K.K.

Nagoya, Japan
+81 (52) 723 5800, service.jp@walter-tools.com

Walter USA, LLC

Waukesha WI, USA
+1 800-945-5554, service.us@walter-tools.com

Walter Canada

Mississauga, Canada
service.ca@walter-tools.com
