

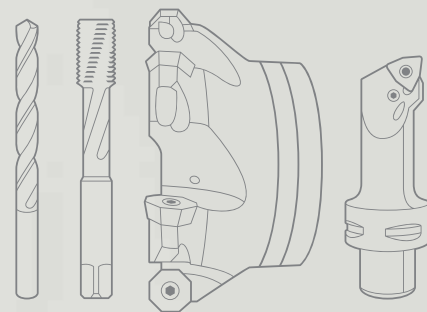


_ FORM A BETTER FUNCTION

**There is only one way
to cut corners.**

Industry Solutions

Mould and Die

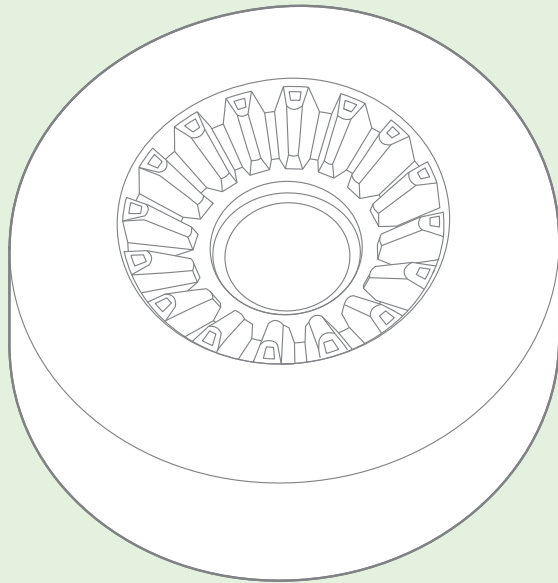


PERFECTION IS PRACTICAL.

Mould and die producers face new challenges every year. Higher precision from the smallest tools. Increasingly complex forms. Price pressure to raise efficiency and productivity.

With the combined power of Walter, Walter Titex and Walter Prototyp, we deliver more than tools. We understand that to succeed, the right machining strategies are essential. We are a single source for complete high-tech machining processes. And we offer a complete range of high-precision metal cutting solutions. No one else competes at this level of quality and precision.

**Expect more. Engineer what you envision.
Experience the new Walter.**



WHEEL DIE AT 65 HRC

As the number of mass-produced articles increases, so do the demands placed on dies. That's why they're increasingly made from wear-resistant materials like powdered metal, and that requires tools that offer stable, consistent cutting edges – such as Protostar Ultra tools by Walter Prototyp and the CBN inserts by Walter.



Walter Prototyp Protostar Ultra End mill
with corner radius for roughing



Walter Copy End mill F2234 with CBN Round inserts
for machining flat surfaces



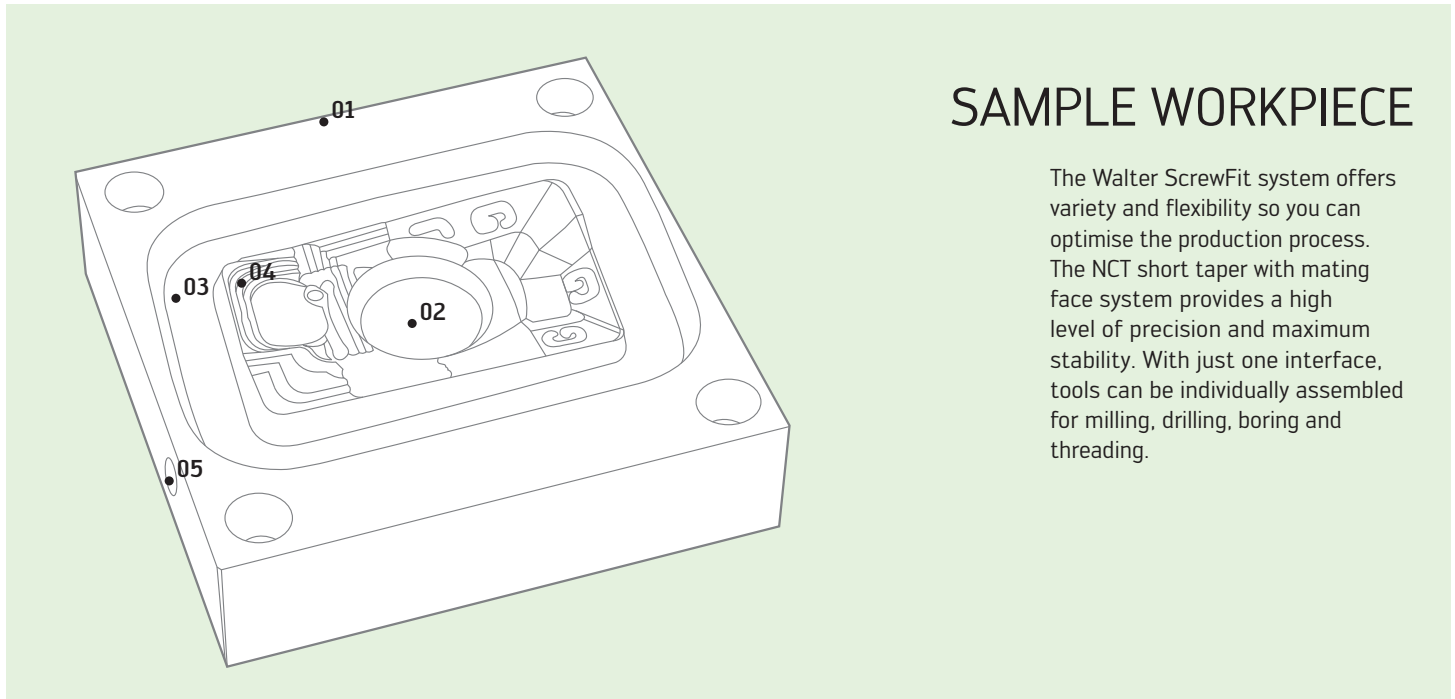
Walter Prototyp
Protostar Ultra End mill with corner radius
for semi-finishing and remaining material



Walter Prototyp Protostar Ultra Ball nose End mill
for semi-finishing and remaining material

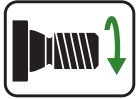


Walter Prototyp
Protostar Ultra End mill with corner radius
for finishing



SAMPLE WORKPIECE

The Walter ScrewFit system offers variety and flexibility so you can optimise the production process. The NCT short taper with mating face system provides a high level of precision and maximum stability. With just one interface, tools can be individually assembled for milling, drilling, boring and threading.



ScrewFit



- 01 **Walter High Performance End mill F2330**
for face and plunge milling



- 04 **Walter Copy End mill F2234**
for roughing



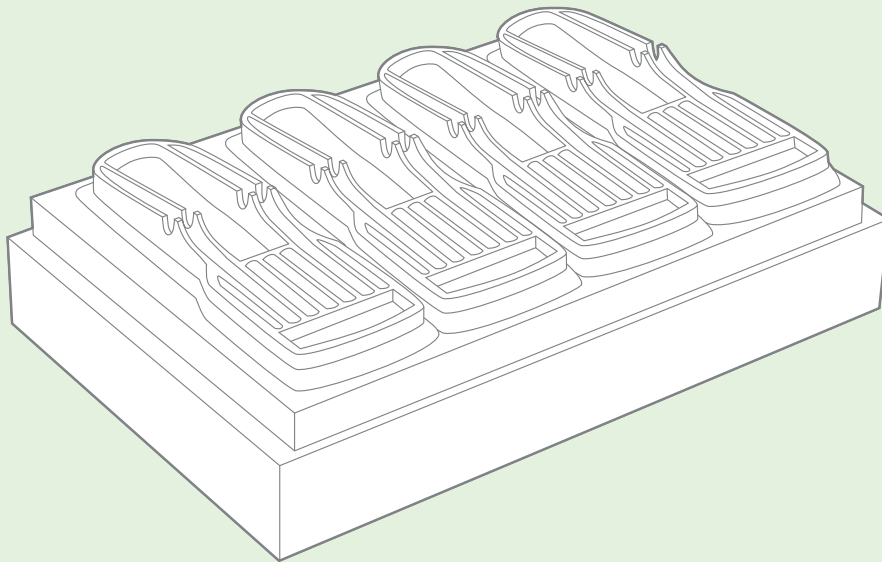
- 02 **Walter Precision**
for fine boring



- 05 **Walter Titex Alpha® 4 Solid carbide drill**
Walter Prototyp Protostar Ball nose End mill
Walter Prototyp Solid carbide thread mill
for hard machining



- 03 **Walter Xtra-tec® End mill F4042**
for contour and slot milling

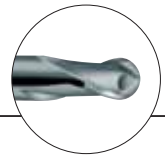


GRAPHITE COUNTER-SINK ELECTRODE

Because it's highly abrasive, cutting graphite requires tools that are wear-resistant. PCD-equipped milling tools from Walter and diamond-coated end mills from Walter Prototyp typically offer a tenfold increase in tool life when compared to conventional solid carbide tools.



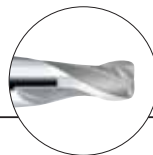
Walter PCD End mill F4722
for contour and face milling



Walter Prototyp
Protostar HSC 30 Diamond mini Ball nose End mill
for finishing



Walter Prototyp Protostar HSC 30 Diamond End mill
with corner radius for roughing



Walter Prototyp
Protostar HSC 30 Diamond mini End mill
with corner radius



Walter Prototyp
Protostar HSC 30 Diamond Ball nose End mill
for remaining material

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