

# Walter Prototyp MC232

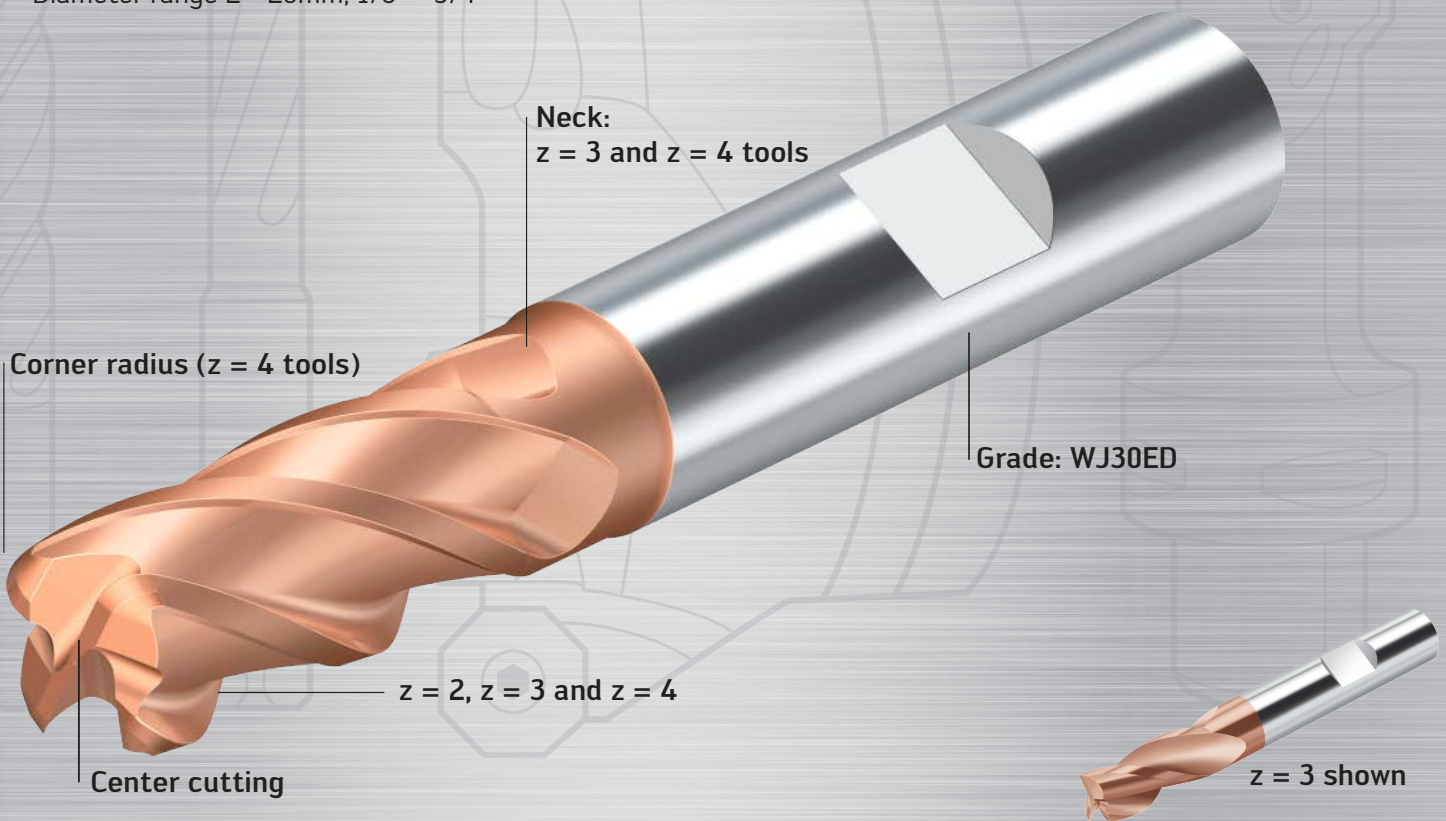
## Universal use in ISO P, M and K

### THE TOOLS

- Solid carbide milling cutters from the Perform Line
- Metric and Inch
- With and without neck (z = 3 and z = 4 tools)
- With and without corner radius (z = 4 tools)
- Three cutter types; 126 dimensions
- With 2, 3 or 4 cutting edges
- Diameter range 2 - 20mm; 1/8" - 3/4"

### THE APPLICATION

- ISO Material groups P, M and K
- Lateral milling, full slotting, pocket milling, helical plunging, ramping
- Areas of use: General mechanical engineering, mold and die making, automotive and energy industries



**Special  
Pricing**

### PROGRAM BENEFITS

- Can be used universally for diverse milling strategies with various materials
- Wide range of applications thanks to tools with reduced neck and corner radii
- High level of cost efficiency for small and medium batch sizes

\* Limited time offer

Walter competence brands



# Walter Prototyp MC326

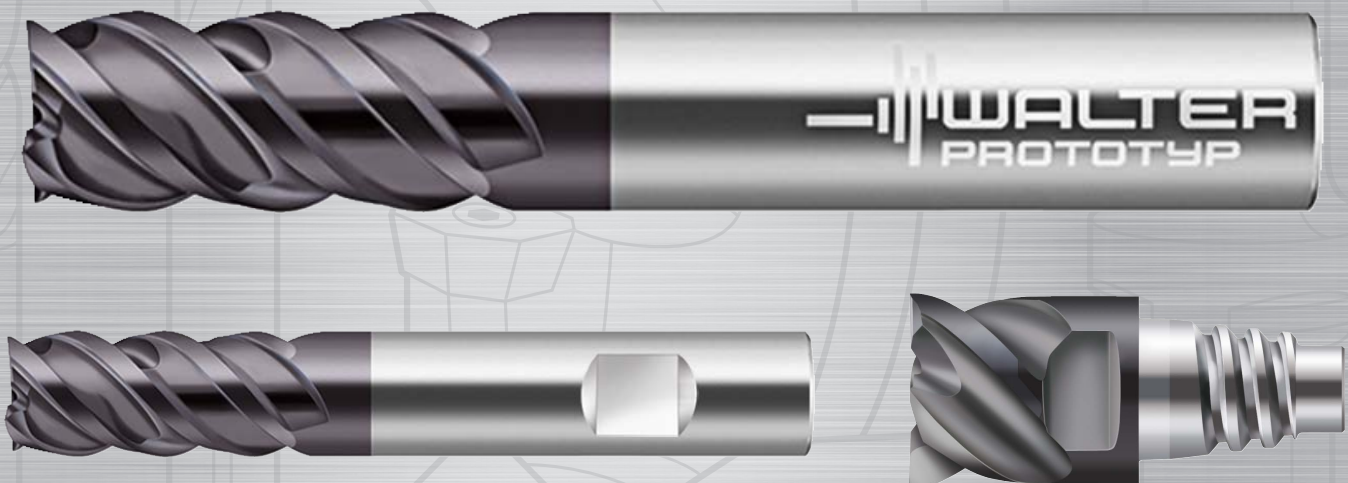
## Universal high-performance with longer tool life

### THE TOOL

- Universal high-performance milling cutter
- Diameter range: 2 - 25 mm; 1/8" - 1"
- 3, 4 and 5 cutting edges
- With and without corner radius
- Available with and without reduced neck
- Grade: WK40TF
- Available with cylindrical shank, weldon shank and ConeFit

### THE APPLICATION

- Primary application: ISO P material group
- Secondary applications: ISO M, K and S material groups
- For roughing and finishing
- Full slotting up to 0.9 x Dc
- For pocket milling, ramping and contour milling
- The reduced neck also makes it suitable to machine relatively deep cavities



### PROGRAM BENEFITS

- Universal high-performance milling cutter
- A high level of process reliability due to the reinforced core at the rear and large chip clearance at the front
- WK40TF enables high productivity and high cutting data
- The reduced neck also makes it suitable for machining relatively deep cavities
- Areas of use: General mechanical engineering, and the energy, medical, aerospace and automotive industries

**Special  
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\* Limited time offer

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# Walter Prototyp Proto-max™ INOX

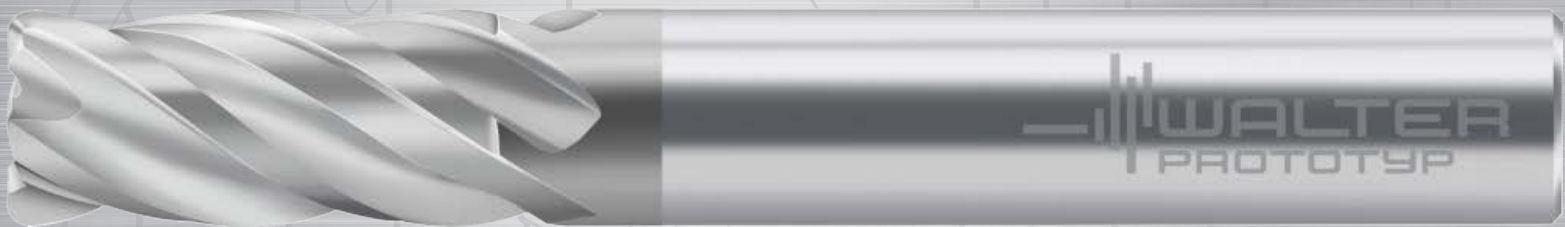
## The specialist for machining stainless steel

### THE TOOL

- Solid carbide high-performance end mill specially designed for machining stainless steel
- With and without corner radius
- Diameter range 1/4" - 1" (6 - 20 mm)
- 4 cutting edges
- TAA coating for long tool life
- Uneven helix angle 35°/ 38°
- Cylindrical shank and weldon shank configurations

### THE APPLICATION

- Primary application ISO material group M
- Secondary application ISO material group S
- For roughing and finishing  
Pocket milling, inclined plunging and contour milling



Helical coolant holes run thru the tool

**Special  
Pricing**

### PROGRAM BENEFITS

- Ultra premium carbide - 10% cobalt
- Uneven helix angle - 35° / 38°
- 2 helical coolant holes, centered cutting
- Increased tool life with the latest TAA coating
- Process reliability due to better chip evacuation and longer tool life

\* Limited time offer

Walter competence brands



# Walter Prototyp Proto-max™ ST

## Solid carbide high performance endmill for machining steel

### THE TOOL

- Solid carbide high-performance end mill specially designed for machining steel materials
- With and without corner radius
- Diameter range 1/4" - 3/4" (2 - 25 mm)
- 3, 4 and 5 cutting edges
- Reinforced core
- TAZ coating
- Cylindrical shank, weldon shank and ConeFit™ configurations

### THE APPLICATION

- Primary application ISO material group P
- Secondary application ISO material group M
- For dynamic or trochoidal milling, roughing and finishing
- When a high machining volume is required
- Full slots of 2 x D<sub>c</sub> (z = 3) and 1.5 x D<sub>c</sub> (z = 4)
- Pocket milling, inclined plunging and contour milling



### PROGRAM BENEFITS

- Uneven spacing for low spindle stress
- Soft cutting action and optimum chip transport thanks to large helix angle
- Can be used for dry and wet machining
- Increased tool life with the latest TAZ coating
- High level of process stability thanks to stable core and optimized microgeometry

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Pricing**

\* Limited time offer

Walter competence brands



# Walter Prototyp MD133

## The first choice for dynamic milling

### THE GRADE

- WJ30RD for steel (ISO P)  
Secondary application: Cast iron (ISO K)
- WJ30RA for stainless steels (ISO M)  
Secondary application: Materials with difficult cutting properties (ISO S)

### THE APPLICATION

- Specially designed for dynamic milling (low  $a_e$ , high  $a_p$ )
- Suitable for various materials
- Cutting width  $a_e$  depends on the material



### PROGRAM BENEFITS

- High process reliability in unmanned machining
- Maximum productivity due to optimal metal removal rate with reduced machining times
- Maximum tool life as the entire cutting length is used and wear behavior is uniform
- No problems working with difficult-to-cut materials or under unstable conditions (machine, workpiece, clamping)

**Special  
Pricing**

\* Limited time offer

Walter competence brands



# Walter Prototyp

## ISO H Advance Solid Carbide Milling Cutters - up to 63 HRC

### THE TOOL

- Seven tool families for ISO H machining up to 63 HRC
- New, performance-improving geometry and WB10TG grade
- Optimized for maximum surface quality and tool life

### THE APPLICATION

- Specially designed for ISO H materials up to 63 HRC
- For machining of 3D contours
- For a range of milling strategies: HPC roughing, high-feed milling, finishing with ball-nose end mills
- Areas of use: Mould and die making, general mechanical engineering



MC281 mini tools Dia. 1-4 mm



MC388 shoulder/slot milling cutter



MC482 ball-nose end mill



MC187 multi-flute shoulder milling



MC098 high-feed



MC183 multi-flute shoulder mill



MC480 mini ball-nose endmill Dia. 0,4-5 mm

**Special  
Pricing**

### PROGRAM BENEFITS

- Cost effective and technically optimized for hardened steel up to 63 HRC (ISO H)
- Large selection from wide range of seven tool families
- High metal removal rates thanks to special geometries for solid carbide machining
- Long tool life due to Walter's new WB10TG grade
- Time and cost-savings for high-speed or high-performance milling

\* Limited time offer

Walter competence brands