ProfilCut Q
System Group
The multifunctional profile tooling system for perfect finishes
The system with unbeatable versatility

Higher productivity? Better quality? More flexibility? The demands on a profile tool system for window, door or furniture production are high.

With the multifunctional tool family ProfiCut Q, disposable and resharpenable constant diameter systems, as well as carbide and diamond cutting edges can be optimally combined. This unbeatable advantage enables a tailor made and economic solution for any requirement which is unique within this scope.

Your benefits due to ...

PRODUCTIVITY & EFFICIENCY

- More economy through lower machining costs
- Higher parts output and reduction of the cutting time due to increase of the cutting speed (v) up to 120 m/s
- Longer lifetime due to innovative cutting material technology
- Shorter set-up times through automatic knife positioning without the need of adjustment aids
- Knife change possible in mounted tool set
- Low maintenance through dust protected clamping elements

QUALITY & RELIABILITY

- Reduction of reject and rework due to surfaces in finish cut quality
- Perfect finish quality thanks to extra sharp cutting edges
- Vibrations removed due to high balance quality
- Better dynamics through light metal tool body
- Perfect repeat accuracy after each knife service thanks to precise, automatic knife clamping
- Low noise due to closed tool body construction

FLEXIBILITY

- Tailor made solution for any requirement through multifunctional tool family
- Maximum cost efficiency through flexible use of disposable or resharpenable constant diameter knife systems
- Optimally matched cutting tool materials due to the combinability of carbide and diamond in the tool set
- Suitable for various working material such as solid wood, wood derived materials, plastics, aluminium, fibre composites and gluelam
- Applicable for all conventional moulders

YOUR BENEFITS

- Maximum performance and cutting quality
- Tailor made solution for nearly every requirement, every material and every machine
ProfilCut Q

For maximum precision and cutting quality

- Tungsten carbide cutting edges with Marathon coating
- Applicable for solid wood, wood derived materials and plastics

ProfilCut Q Premium

- Productivity
- Efficiency
- Quality

AT A GLANCE

- Tungsten carbide cutting edges with Marathon coating
- Applicable for solid wood, wood derived materials and plastics
- 5 times resharpenable
- Constant profile and diameter after sharpening
- For high production volumes

ProfilCut Q PLUS

The resharpenable system supplement

- Productivity
- Efficiency
- Quality

AT A GLANCE

- Tungsten carbide cutting edges with Marathon coating
- Applicable for solid wood, wood derived materials and plastics
- 5 times resharpenable
- Constant profile and diameter after sharpening
- For high production volumes

ProfilCut Q PLUS Premium

- Productivity
- Efficiency
- Quality

AT A GLANCE

- ProfilCut Q PLUS features
- For cutting speeds \(v_c\) up to 120 m/s
- Tool body with wear resistant coating
- Particularly suitable for machines with high volume output

ProfilCut Q Diamond

The specialist with diamond cutting edges

- Diamond cutting edges (PCD)
- For 20 times longer life time
- Applicable for wood derived materials, plastics, aluminium as well as for fibre material or gluelam
- 5 times resharpenable
- Constant profile and diameter after sharpening
- Tool body with wear resistant coating
- For cutting speeds \(v_c\) up to 120 m/s

ProfilCut Q Diamond

- Productivity
- Efficiency
- Quality

AT A GLANCE

- Diamond cutting edges (PCD)
- For 20 times longer life time
- Applicable for wood derived materials, plastics, aluminium as well as for fibre material or gluelam
- 5 times resharpenable
- Constant profile and diameter after sharpening
- Tool body with wear resistant coating
- For cutting speeds \(v_c\) up to 120 m/s
## Technical features

<table>
<thead>
<tr>
<th>Tool system group</th>
<th>ProfilCut Q</th>
<th>ProfilCut Q Premium</th>
<th>ProfilCut Q PLUS</th>
<th>ProfilCut Q PLUS Premium</th>
<th>ProfilCut Q Diamond</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. diameter</td>
<td>650 mm</td>
<td>650 mm</td>
<td>650 mm</td>
<td></td>
<td>650 mm</td>
</tr>
<tr>
<td>Cutting width</td>
<td>8-80 mm</td>
<td>15-60 mm</td>
<td>15-50 mm</td>
<td></td>
<td>15-50 mm</td>
</tr>
<tr>
<td></td>
<td>8-120 mm with turnblade WP8</td>
<td>8-120 mm with turnblade WP8</td>
<td>8-120 mm with turnblade WP8</td>
<td></td>
<td>8-120 mm with turnblade WP8</td>
</tr>
<tr>
<td>Tool body</td>
<td>Lightweight construction / steel</td>
<td>Lightweight construction / steel</td>
<td>Lightweight construction / steel</td>
<td></td>
<td>Lightweight construction / steel</td>
</tr>
<tr>
<td>Min. diameter for boring tools</td>
<td>Zero diameter 85 mm for bore size 30 mm</td>
<td>Zero diameter 90 mm for bore size 30 mm</td>
<td>Zero diameter 90 mm for bore size 30 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Version with centre cutting</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td></td>
<td>Yes</td>
</tr>
</tbody>
</table>