

# Ceramic cutting blade CE10

Higher density for longer lifetimes



In addition to our reliable ceramic cutting blade CE07 we are now able to introduce the advanced CE10 type of cutting blades.

#### **Your benefits**

- Higher lifetime of the cutting edges
- Higher fracture toughness
- Higher tensile strength

# Ceramic cutting blade CE10

Higher density for longer lifetimes

One of the key parts of cutting strands is choosing the right cutting blade for your product to ensure quality and efficiency. Automatik Plastics Machinery actively researches new solutions to achieve your goals.



CE10 cutting blades are made of yttria-stabilized zirconia with higher density than CE07 blades, which results in a higher structural stability of the cutting edges and therefore longer lifetime of the blade.

Thread insert machined directly in the ceramic, which means there are no metal plugs and therefore no corrosion.

### Advantages

In addition to the characteristic properties of ceramic, such as corrosion resistance, CE10 provides the following benefits:

- Higher lifetime of the cutting edges
- Higher fracture toughness
- Higher tensile strength



Type of cutting blade:	HM03	CE07	CE10
<b>Material:</b>	tungsten carbide	ceramic	ceramic
<b>Handling sensitivity:</b>	**	***	***
<b>Lifetime estimation:</b>	**	**	***
<b>Corrosion resistance:</b>	**	***	***

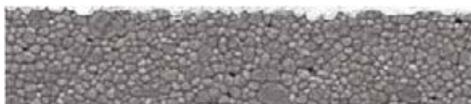
\* = low; \*\* = medium; \*\*\* = high



CE07 Simulation of edge abrasion

The many small ceramic particles at the cutting edges of the CE10 blade provide higher stability and lifetime of the edges compared to the bigger particles on the edges of the CE07 blade.

Ceramic cutting blades CE10 are available for all common machine types and are easily installed without process changes.



CE10 Simulation of edge abrasion

Should you have any questions, please contact us by phone or email.