

# Turning

Extended product range

A4



## Turning of cast iron materials

With the new Blackstar™ CTCK110 grade and the proven Blackstar™ CTCK120, all applications of cast iron machining can be covered. The two grades, with three negative and one positive geometry, offer a consistent programme for all applications.

The wear-resistant turning grades can be used in the automotive and power engineering sectors, in mechanical engineering or in the railway industry in, for example, the machining of brake disks, brake drums, turbocharger housings, flywheels or bearing cases.

### Blackstar™ CTCK110

The grade for a continuous cut under stable conditions: it provides maximum wear resistance for high cutting speeds, and thanks to its high temperature resistance, is also suitable for dry machining.

### Blackstar™ CTCK120

The grade for unstable and difficult conditions: its tough substrate ensures process security also with interrupted cut. Being a universal grade, it can be used for all cast iron materials.



## Your advantages

- ▲ Two grades covering all applications in cast iron machining
- ▲ Consistent and well-structured programme
- ▲ Blackstar™ CTCK110: highly wear-resistant grade for dry machining and high cutting data
- ▲ Blackstar™ CTCK120: universal grade for all applications, also interrupted cuts
- ▲ Ground contact face

## Your benefits

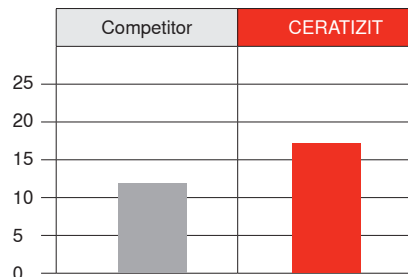
- ▲ Reduced stock inventory, resulting in lower costs
- ▲ Easy selection of the insert
- ▲ High cutting data and tool life increase productivity
- ▲ For maximum process security and less non-conforming material
- ▲ More stability of the tool holder enhances process security also in difficult machining situations

## A practical example

Component: bearing pillow block / GGG40

Cutting data	Competitor	CERATIZIT
Grade	K10	CTCK110
V <sub>c</sub> (m/min)	240	240
f (mm/rev)	0,2	0,2
a <sub>p</sub> (mm)	2,0	2,0
Quantity	12	17

Quantity



**+42%**