

# Accure-tec – vibration-free machining with long milling tools.

**NEW**

## THE ADAPTOR

- Accure-tec AC001 vibration-damped adaptors for milling
- Patented vibration damping
- For shell end milling cutters with tenon in accordance with DIN 138
- Cylindrical design
- High rigidity
- Internal coolant supply
- Concentricity < 5 µm

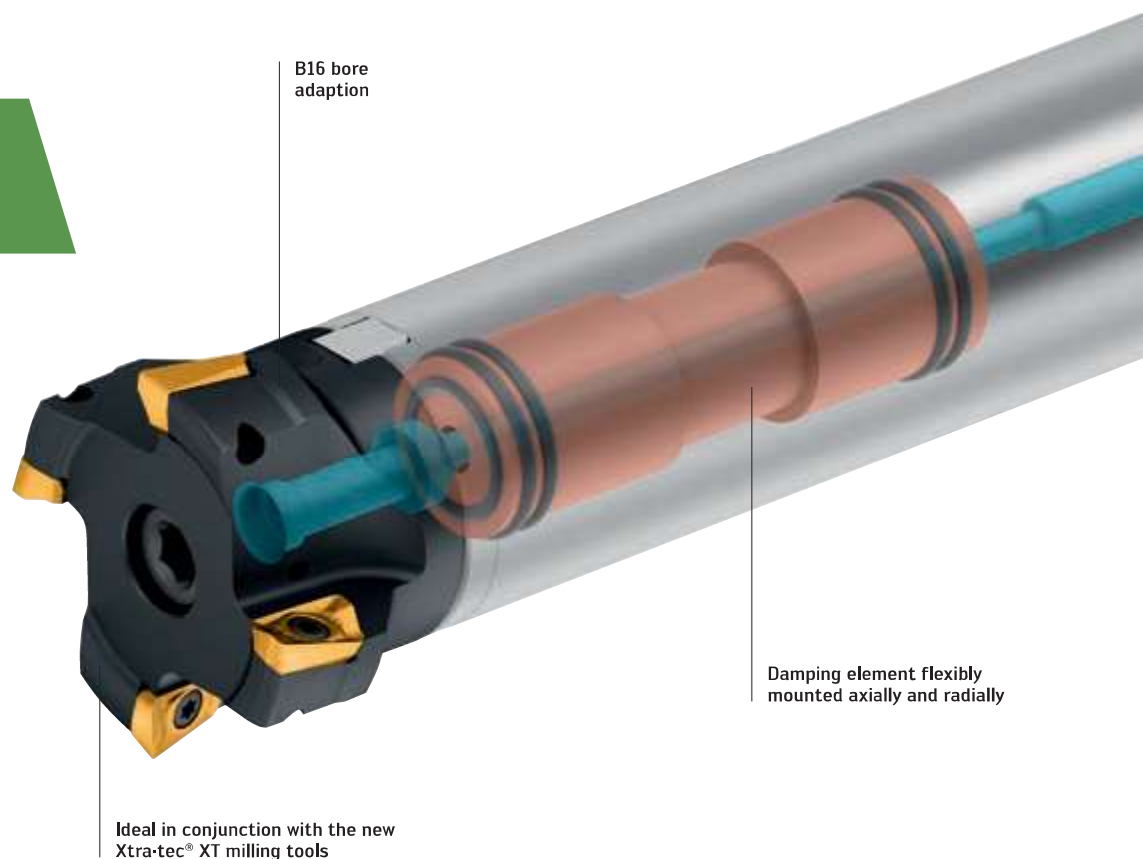
## THE INTERFACES

- Walter Capto™
- HSK-A
- SK
- MAS-BT

## THE APPLICATION

- Machining deep pockets
- Machining complex one-piece workpieces
- Long overhangs of up to  $4 \times D$  are possible
- Areas of use: Mould and die making, aerospace, general mechanical engineering, automotive and energy industries

For more Accure-tec adaptors, see the Turning section



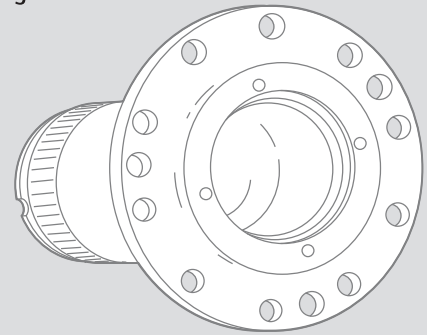
**((( Accure-tec**



Internal coolant supply for excellent chip removal

## APPLICATION EXAMPLE

### Shoulder milling

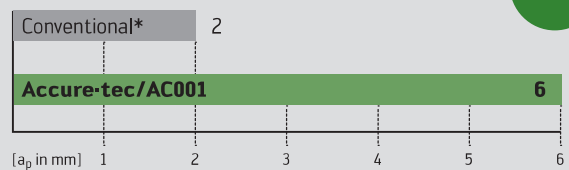


**Material:** 42CrMo4  
**Adaptor:** AC001-H100-B27-320  
**Tool:** M5130 | dia. 63 | Z4  
**Projection length:**  $4 \times D$   
**Machine:** GROB G550

#### Cutting data:

	Conventional undamped	Accure-tec/AC001 damped
$v_c$ (m/min)	120	120
$n$ (rpm)	606	606
$f_z$ (mm)	0.2	0.2
$v_f$ (mm/min)	485	485
$a_e$ (mm)	25	25
$a_p$ (mm)	2	6
$Q$ (cm <sup>3</sup> /min)	25	73
$R_a$ (μm)	1.07	0.75

#### Comparison: Depth of cut



\* no damping

## BENEFITS FOR YOU

- High productivity and surface quality – with long service life for the tool and spindle
- Vibration damping preset at the factory; installed directly (no time lost tuning)
- Stable process producing little noise
- Reliable machining operations with projection lengths of up to  $4 \times D$  are possible
- Depth of cut up to three times higher (compared to conventional methods)
- Optimum chip removal thanks to internal coolant supply