

## HPH - High Performance Holder 3° MULTI

Short, slim design with flat face

**ATORN**<sup>®</sup>

### Application

Produced using an innovative process, the ultra-slim hydro expansion chuck combines the advantages of an expansion chuck and a shrink-fit chuck in a single product.

### Version

- exceptionally high clamping forces
- extremely high heat resistance (up to 120°C) ensures that the chuck retains its accuracy
- slimline design of a shrink-fit chuck, therefore suitable for narrow interfering contours
- outstanding absorption
- max. concentricity < 0.003 mm
- standard tool changes as with expansion chucks without requiring additional devices
- various applications when used with reducer bushings
- pre-balanced to G2.5/25,000 rpm
- with Balluff chip hole

### Advantage

- Advantage BT-FC (Face Contact) = compared to BT stationary wheel, tool chucks, excellent tool change accuracy due to flatness on the cuff. Higher rigidity and bending strength. The flatness on the cuff prevents sliding in the axial direction at very high speeds. Higher VC minimises vibrations Improved surface quality on the workpiece Increased tool life Lower tool costs More efficient heavy machining



<b>Art. no.</b>	<b>23733 860</b>
<b>Tool holding device</b>	BT-FC 30
<b>Clamping diameter</b>	20 mm
<b>Projecting length</b>	85 mm
<b>Form</b>	JD
<b>Outer diameter</b>	40 mm
<b>Tapered diameter</b>	30 mm
<b>Clamp in depth</b>	51 mm
<b>Max. adjustment travel</b>	10 mm
<b>Coolant supply</b>	Yes
<b>Suitable for thread</b>	M8 x 1
<b>Width across flats</b>	3 mm
<b>Balancing quality</b>	G 2.5 at 25 rpm
<b>Concentricity tolerance</b>	0.003 mm

### EAN-Code

4050293436129