

## Combination shell end mill arbours

In accordance with ISO 12164 (DIN 69893)

**ATORN**

### Application:

For holding shell end mills and single angle milling cutters with longitudinal groove in accordance with DIN 842.

### Execution:

- Alloyed case-hardening steel, core tensile strength at least 950 N/mm<sup>2</sup>
- Case-hardened HRc 60 ± 2 (HV 700 ± 50), hardness depth 0.8 mm ± 0.2 mm
- Taper angle tolerance quality < AT3 in accordance with DIN 7187 and DIN 2080
- All functional surfaces are machined
- Max. concentricity < 0.005 mm
- With Balluff chip hole
- Internal cooling with A dimension of 160 mm and 200 mm only

### Delivery:

1x HSK63 or HSK100 combination shell end mill arbour (ISO 12164); incl. retaining screw, key and drive ring



<b>Art. no.</b>	<b>23160 294</b>
<b>Brand</b>	ATORN
<b>Manufacturer Part Number</b>	22660663
<b>Tool holding device</b>	HSK 100
<b>Form</b>	A
<b>Mandrel diameter</b>	27 mm
<b>Tap length</b>	21 mm
<b>Projecting length</b>	200 mm
<b>Coolant supply</b>	Internal axial
<b>Balancing quality</b>	G 2.5 at 25 rpm
<b>Harmonized System Code</b>	84661020
<b>Gross Weight</b>	5.050 kg
<b>Product Group</b>	2AR

### Main EAN Code

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