

**Garant**

**Performance milling chuck with cooling channel bores, HSK-A 63 short,  
Clamping  $\varnothing$  D1: 12mm**

**Order data**

Order number	304450 12
GTIN	4062406114695
Item class	31A

**Description****Version:**

- With RFID/Balluffchip bore.
- All shanks hard turned.
- Supplied with 4 table cooling channel bores.

**Advantage:**

- No risk of the cutter being pulled out, not even a tug.
- Optimised external contour – vibration-damping behaviour.
- Pleasant handling thanks to the differential thread.
- Breakage of the milling cutter shank is improbable.
- Precision version.

**Application:**

For clamping tools with side drive flats to DIN 1835 Form B and DIN 6535 Form HB. Best suited for TPC milling or high feed rate applications. No risk of the cutter being pulled out, more precise radial run-out, **process reliability!**

**Optional extras:**

Coolant pipe No. 309880, coolant pipe wrench No. 309890

**Note:**

Tightening torque 13 Nm; Torx size T30.

**Technical description**

Overhang dimension A	80 mm
Clamping $\varnothing D_1$	12 mm
External $\varnothing D$	43 mm
$\varnothing D_2$	37.5 mm
Adapter	HSK-A 63 short
Arbor standard	ISO 12164-1
Arbor standard	DIN 69882-4
Arbor standard	DIN 69893
Shape	A
Through-coolant	yes
Balance quality G at rotational speed	G 2.5 at 25,000 rpm
Concentricity	$\leq 3 \mu\text{m}$
Machining strategy	HSC
Machining strategy	HPC
Type of product	Side lock arbor