

## Garant

### Shrink-fit chucks with cooling channel bore, HSK-A 100 A = 160, Clamping Ø D1: 20 mm



#### Order data

Order number	308286 20
GTIN	4045197948014
Item class	31A

#### Description

##### Version:

From clamping Ø D<sub>1</sub> 6 mm with tapped holes for balancing screws.

- **High-temperature steel.**
- **Size 3 – 5 for carbide, from size 6 for HSS and carbide.**
- **With Balluffchip bores.**

Integral length adjustment of the tool from clamping Ø D<sub>1</sub> 6 mm (adjustment travel 10 mm).

**GARANT:** HSK mating faces machined. **All shanks hard turned (for smooth running!).**

With **cooling channel bores** tapped for plugging. Ø D<sub>1</sub>: 3 mm, 4 mm, 5 mm cannot be plugged.

##### Application:

- **For holding end mills and drills with parallel shank to h6 tolerance.**
- **Suitable for inductive, contact and hot air shrink-fit units.**

##### Supplied with:

For chucks with length adjustment including a length adjustment screw (from clamping Ø D<sub>1</sub> 6 mm).

##### Optional extras:

Coolant tube No. 309880, socket wrench No. 309890, shrink-fit chuck extension No. 302410 – 302416, shrink-fit units No. 354210 – 354450, balancing screw set No. 309906 180.

Cooling channel bore: lockable

External Ø D: 42 mm

Ø D<sub>2</sub>: 33 mm

#### Technical description

External $\varnothing$ D	42 mm
Cooling channel bore	lockable
$\varnothing$ D <sub>2</sub>	33 mm
Clamping $\varnothing$ D <sub>1</sub>	20 mm
Adapter	HSK-A 100 A = 160
Arbor standard	ISO 12164-1
Arbor standard	DIN 69893
Shape	A
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	Shrink-fit chuck