



## Shrink-fit chuck Power Shrink Chuck with Safe-Lock, HSK-A 100 short, Clamping range Ø D1: 18mm



### Order data

|              |               |
|--------------|---------------|
| Order number | 307940 18     |
| GTIN         | 4034221082954 |
| Item class   | 34I           |

### Description

#### Version:

Shrink-fit chuck for very high metal removal rates during high-performance cutting (HPC). The optimised design combines excellent stiffness with vibration damping. This protects the machine, spindle and tool.

- **Safe-Lock tool pull-out protection prevents the tool being pulled out accidentally.**
- **Higher metal removal rate due to higher speeds, higher feed rates and greater cutting depth.**
- **Shorter machining times.**
- **Runs more smoothly, which improves the surface quality and protects the tool, spindle and machine.**
- **With tapped holes for balancing with screws.**
- **With pluggable Cool Jet holes.**
- **With length adjustment screw (adjustment path 10 mm).**

#### Application:

For clamping tools with parallel shank to h6 tolerance **with Safe-Lock ground surface**. Suitable for all types of shrink-fit unit such as inductive, contact and hot air shrink-fit units.

#### Optional extras:

For milling cutters with Safe-Lock clamping flat, see solid carbide milling cutters. Coolant pipe No. 309880, socket wrench No. 309890, shrink-fit units No. 354210 – 354450, balancing screw set No. 309906 size 180.

#### Note:

Other shrink-fit chucks with **Safe-Lock** available on request.

## Technical description

|                                       |                     |
|---------------------------------------|---------------------|
| Clamping $\varnothing D_1$            | 18 mm               |
| Overhang dimension A                  | 100 mm              |
| $\varnothing D_2$                     | 44 mm               |
| External $\varnothing D$              | 76 mm               |
| Cooling channel bore                  | lockable            |
| maximum clamping depth $L_E$          | 50 mm               |
| Adapter                               | HSK-A 100 short     |
| 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                         | 3 $\mu\text{m}$     |
| Machining strategy                    | HPC                 |
| Machining strategy                    | HSC                 |
| Tool pull-out protection              | Safe-Lock h6        |
| Type of product                       | Shrink-fit chuck    |