Garant

Shrink-fit chuck vibration-damped, with cooling channel bores, HSK-A 100 A = 120, Clamping range Ø D1: 16mm



Order data

Order number	308346 16
GTIN	4062406787301
Item class	31A

Description

Version:

- · High-temperature steel.
- · Integrated length adjustment of the tools.
- · For HSS and solid carbide tools.
- · Shanks hard turned (smooth cutting action!).
- · With RFID/Balluffchip bore.
- · With coolant channel bores and threads that can be sealed.
- · With tapped holes on each side for balancing screws.
- · Reinforced version/contour.
- · Polished surface.
- · Specially mounted carbide core in the shrink-fit chuck body.

Advantage:

- · Vibration-damping.
- · Better workpiece surface finish.
- · Optimised tool life.
- · Increased process reliability.
- · Lower corrosion tendency due to polished surface.

Application:

For clamping tools with plain shank (h6 shank tolerance). Suitable for inductive, contact and hot air shrink-fitting units.

Optional extras:

HSK coolant tube No. 309880, Socket wrench No. 309890, Shrink-fit unit, accessories No. 354210 – 354440, Balancing screws set No. 309906 size 180.

Technical description

$ \begin{array}{c} \text{Colling SD}_{1} & \text{Colling SD}_{1} \\ \text{OD}_{2} & 27 \text{ mm} \\ \text{L}_{2} & 68 \text{ mm} \\ \text{OD}_{3} & 88 \text{ mm} \\ \text{Overhang dimension A} & 120 \text{ mm} \\ \text{External Ø D} & 34 \text{ mm} \\ \text{Cooling channel bore} & \text{lockable} \\ \text{Adapter} & \text{HSK-A 100 A} = 120 \\ \text{Arbor standard} & \text{DIN 69893} \\ \text{Arbor standard} & \text{ISO 12164-1} \\ \text{Shape} & \text{A} \\ \text{Through-coolant} & \text{yes} \\ \text{Balance quality G at rotational speed} & \text{G 2.5 at 25,000 rpm} \\ \text{Concentricity} & \leq 3 \mu\text{m} \\ \text{Machining strategy} & \text{HSC} \\ \text{Machining strategy} & \text{HPC} \\ \text{Vibration} & \text{damped} \\ \text{Type of product} & \text{Shrink-fit chuck} \\ \end{array} $	Clamping Ø D₁	16 mm
$\begin{array}{cccc} L_2 & & & 68 \text{ mm} \\ \varnothing D_3 & & 88 \text{ mm} \\ \\ \text{Overhang dimension A} & & 120 \text{ mm} \\ \\ \text{External } \varnothing D & & 34 \text{ mm} \\ \\ \text{Cooling channel bore} & & \text{lockable} \\ \\ \text{Adapter} & & \text{HSK-A 100 A} = 120 \\ \\ \text{Arbor standard} & & \text{DIN 69893} \\ \\ \text{Arbor standard} & & \text{ISO 12164-1} \\ \\ \text{Shape} & & \text{A} \\ \\ \text{Through-coolant} & & \text{yes} \\ \\ \text{Balance quality G at rotational speed} & & \text{G 2.5 at 25,000 rpm} \\ \\ \text{Concentricity} & & \leq 3 \mu \text{m} \\ \\ \text{Machining strategy} & & \text{HSC} \\ \\ \text{Machining strategy} & & \text{HPC} \\ \\ \text{Vibration} & & \text{damped} \\ \end{array}$		
Ø D₃88 mmOverhang dimension A120 mmExternal Ø D34 mmCooling channel borelockableAdapterHSK-A 100 A = 120Arbor standardDIN 69893Arbor standardISO 12164-1ShapeAThrough-coolantyesBalance quality G at rotational speedG 2.5 at 25,000 rpmConcentricity≤ 3 μmMachining strategyHSCMachining strategyHPCVibrationdamped	Ø D ₂	27 mm
Overhang dimension A120 mmExternal Ø D34 mmCooling channel borelockableAdapterHSK-A 100 A = 120Arbor standardDIN 69893Arbor standardISO 12164-1ShapeAThrough-coolantyesBalance quality G at rotational speedG 2.5 at 25,000 rpmConcentricity≤ 3 μmMachining strategyHSCMachining strategyHPCVibrationdamped	L_2	68 mm
External Ø D 34 mm Cooling channel bore Adapter HSK-A 100 A = 120 DIN 69893 Arbor standard ISO 12164-1 Shape A Through-coolant yes Balance quality G at rotational speed Concentricity Machining strategy HSC Machining strategy Vibration 34 mm A TRANCE AND A = 120 DIN 69893 ISO 12164-1 Shape A Through-coolant yes G 2.5 at 25,000 rpm ← 3 μm HSC Machining strategy HPC Vibration damped	Ø D ₃	88 mm
Cooling channel borelockableAdapterHSK-A 100 A = 120Arbor standardDIN 69893Arbor standardISO 12164-1ShapeAThrough-coolantyesBalance quality G at rotational speedG 2.5 at 25,000 rpmConcentricity≤ 3 μmMachining strategyHSCMachining strategyHPCVibrationdamped	Overhang dimension A	120 mm
AdapterHSK-A 100 A = 120Arbor standardDIN 69893Arbor standardISO 12164-1ShapeAThrough-coolantyesBalance quality G at rotational speedG 2.5 at 25,000 rpmConcentricity≤ 3 μmMachining strategyHSCMachining strategyHPCVibrationdamped	External Ø D	34 mm
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Arbor standardISO 12164-1ShapeAThrough-coolantyesBalance quality G at rotational speedG 2.5 at 25,000 rpmConcentricity≤ 3 μmMachining strategyHSCMachining strategyHPCVibrationdamped	Adapter	HSK-A 100 A = 120
ShapeAThrough-coolantyesBalance quality G at rotational speedG 2.5 at 25,000 rpmConcentricity≤ 3 μmMachining strategyHSCMachining strategyHPCVibrationdamped	Arbor standard	DIN 69893
Through-coolant Balance quality G at rotational speed Concentricity Machining strategy Machining strategy HPC Vibration yes G 2.5 at 25,000 rpm HSC HPC damped	Arbor standard	ISO 12164-1
Balance quality G at rotational speed Concentricity ≤ 3 μm Machining strategy HSC Machining strategy HPC Vibration damped	Shape	A
Concentricity ≤ 3 μm Machining strategy HSC Machining strategy HPC Vibration damped	Through-coolant	yes
Machining strategy HSC Machining strategy HPC Vibration damped	Balance quality G at rotational speed	G 2.5 at 25,000 rpm
Machining strategy HPC Vibration damped	Concentricity	≤ 3 µm
Vibration damped	Machining strategy	HSC
	Machining strategy	HPC
Type of product Shrink-fit chuck	Vibration	damped
	Type of product	Shrink-fit chuck