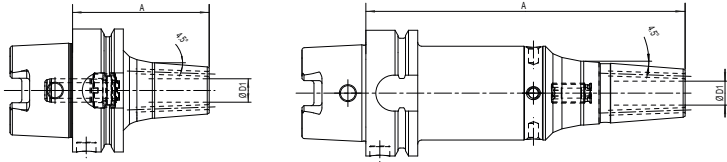


25 years shrink chucks

ThermoGrip® BIONICS

Shrink chucks with bionic structural optimisation

Valid Feb 2024 until the end of May 2024



TB.....-C1-HSKA63 Shrink Chuck					
Ident No.	Designation	price list	Promotional price 25 years of ThermoGrip®	Stock	Weight (kg)
5177819	TBUC0600-70-C1-HSKA63	169,80 €	129,99 €	Ex-Stock	0,820
5177821	TBUC0800-70-C1-HSKA63	169,80 €	129,99 €	Ex-Stock	0,796
5177822	TBUC1000-70-C1-HSKA63	169,80 €	129,99 €	Ex-Stock	0,850
5177827	TBUC1200-70-C1-HSKA63	169,80 €	129,99 €	Ex-Stock	0,841
5177834	TBUC1600-75-C1-HSKA63	169,80 €	129,99 €	Ex-Stock	0,860
5177840	TBUC2000-75-C1-HSKA63	169,80 €	129,99 €	Ex-Stock	0,940
5177818	TB0600-130-C1-HSKA63	271,05 €	175,00 €	Ex-Stock	1,245
5177820	TB0800-130-C1-HSKA63	271,05 €	175,00 €	Ex-Stock	1,239
5177823	TB1000-130-C1-HSKA63	271,05 €	175,00 €	Ex-Stock	1,358
5177829	TB1200-130-C1-HSKA63	271,05 €	175,00 €	Ex-Stock	1,343
5177835	TB1600-130-C1-HSKA63	271,05 €	175,00 €	Ex-Stock	1,425
5177841	TB2000-130-C1-HSKA63	271,05 €	175,00 €	Ex-Stock	1,680
5177817	TB0600-160-C1-HSKA63	285,60 €	187,50 €	Ex-Stock	1,670
5177816	TB0800-160-C1-HSKA63	285,60 €	187,50 €	Ex-Stock	1,664
5177826	TB1000-160-C1-HSKA63	285,60 €	187,50 €	Ex-Stock	1,847
5177830	TB1200-160-C1-HSKA63	285,60 €	187,50 €	Ex-Stock	1,831
5177836	TB1600-160-C1-HSKA63	285,60 €	187,50 €	Ex-Stock	1,991
5177842	TB2000-160-C1-HSKA63	285,60 €	187,50 €	Ex-Stock	2,169

Pole disc free of charge



Interchangeable pole discs for shrink fit chucks with very short A-dimensions (e.g. TBUC). The chuck enters easily into the ferrite disc. At the same time it is ensured, that the coil does not rest on the collar of the HSK toolchange body diameter and thus the coil is not damaged in the heating process.

Ident No.	Designation	price list	Aktionspreis 25 Jahre ThermoGrip®	Stock	Weight (kg)
5195533	ISGS3201-1-UC; Pole disc	411,05 €	free of charge*	in stock	0,238
5195534	ISGS3201-2-UC; Pole disc	192,00 €	free of charge*	in stock	0,230

*TBUC: Disc required! Available free of charge with purchase of 5 TBUC shrink chucks

*TBUC only possible with ISG34XX series

25^{year} PROMOTION

ThermoGrip® Shrink technology

BIONICS Shrink chuck



25 years of ThermoGrip® shrink technology



Bilz Werkzeugfabrik is celebrating the 25th anniversary of its ThermoGrip® shrink technology.

Since its introduction in 1998, the technology has been characterised by patented, energy-efficient disc technology and innovative liquid cooling for rapid cooling.

With ThermoGrip® BIONICS, ThermoGrip® TMG and other top products, Bilz has set important milestone standards in the manufacturing industry. These milestones reflect Bilz's long-standing commitment to technological excellence and quality, an endeavour that has continued since the company was founded in 1919.

We would like to celebrate this with you!

Join us throughout the year with exciting sales promotions.

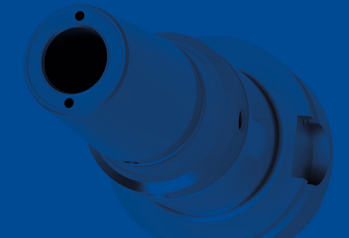
Features

- Maximum bending strength due to the bionic contour
- Increased rigidity
- Counterbore – the ThermoGrip® trademark
- Improved surface quality due to optimised chip removal
- Run-out quality < 3µm

Benefits

- Higher feed rates and greater cutting depth
- Increased torque transmission
- Lockable Cool Jet holes for peripheral cooling and balance screw holes for fine balancing as standard

“A tree is stabilised on the windward side by means of its root system, and exactly this method has been used by our engineers to develop an exceptional shrink chuck with extremely high bending strength.”



Perfectly suited for our ThermoGrip® shrink machines

- Shrinkable with standard coil 1 up to diameter 25 mm
- Shrink machine X parameters for shrinking in and out

- Smooth, silent running due to “Balanced by Design” and subsequent fine balancing
- Improved surface quality = longer tool life, improved surface finish and better maintenance of tolerances
 - Ideal for HPC, HSC, HA, HB & HE
 - Protection for the machine spindle

The patented counterbore makes it possible for the tool to be inserted cold so that the shrinking process can be carried out fully automatically and thereby simplifies handling and improves user safety. 15 – 20 % reduction in heat requirements when heating up the shrink chuck.

Cool-Jet holes (lockable)

Data Chip holes (HSKA)

- Maximum form stability and life of the shrink chuck due to the use of high temperature resistant special steel
- High radial rigidity
 - Low deflection
 - High metal removal rates

Tapped holes For fine balancing with balancing screws

- Maximum Concentricity <0,003 mm and exact taper tolerances, manufactured in a climate-controlled environment
- Reduction of production costs due to a smoother cutting process leading to improved tool life.
 - Reduction of chatter marks
 - Increased tool life
 - Better surface finish quality
 - Maintenance of tolerances for longer

