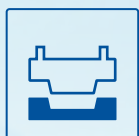
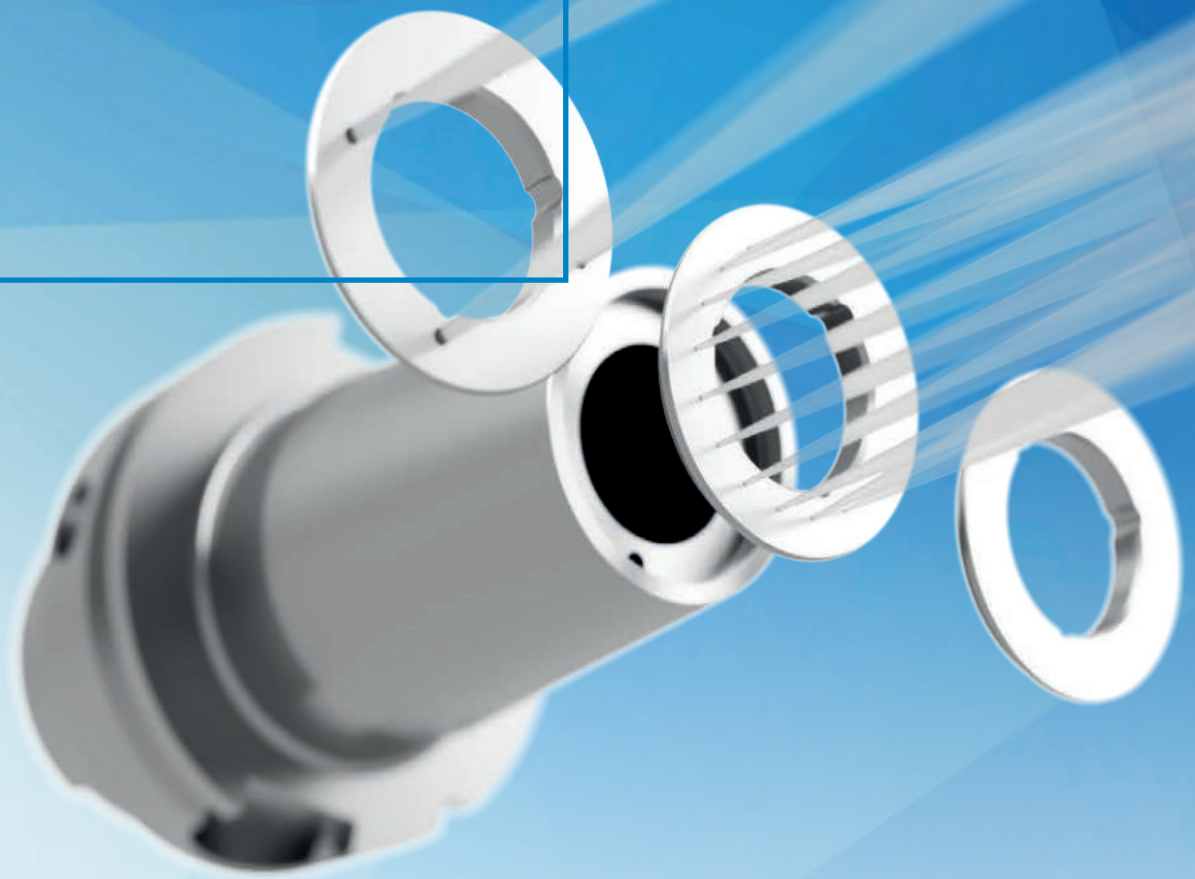


bilz

ThermoGrip® Corona Jet^{2.0}

Optimised coolant supply
setting new standards



DIE AND MOLD
MAKING



GENERAL
MACHINERY

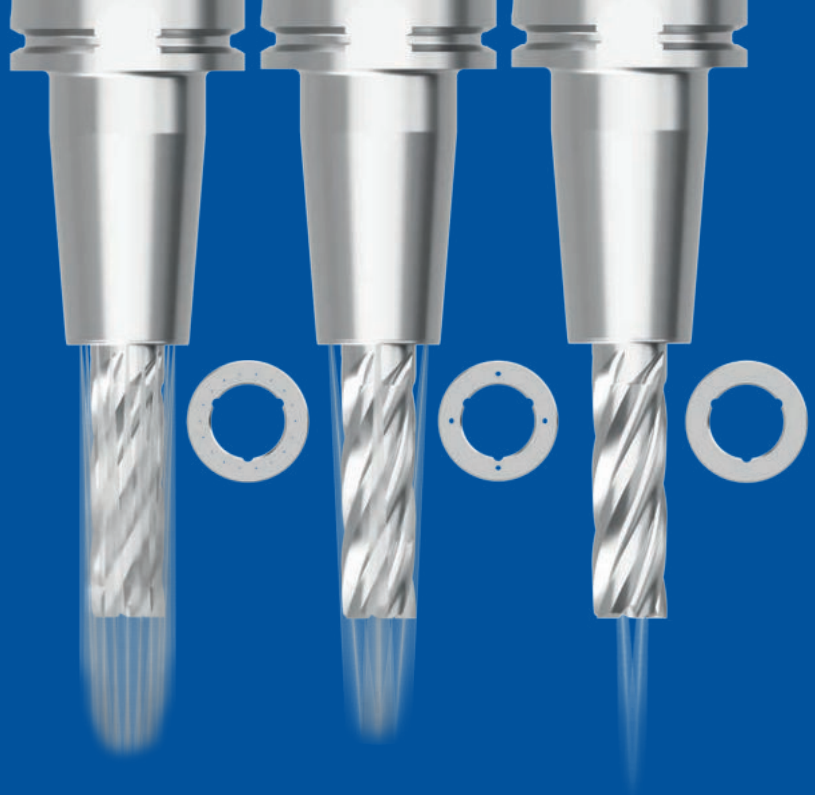


MEDICAL AND
DENTAL TECHNIQUES

Targeted coolant supply
thanks to exchangeable
nozzle rings

Our new ThermoGrip Corona Jet has a nozzle ring on the face of the chuck which can be changed depending on the operation and manufacturing process.

The integrated nozzles are set at different angles meaning that the coolant is directed onto the cutting edge and the flute.



DIE AND MOLD MAKING



GENERAL MACHINERY



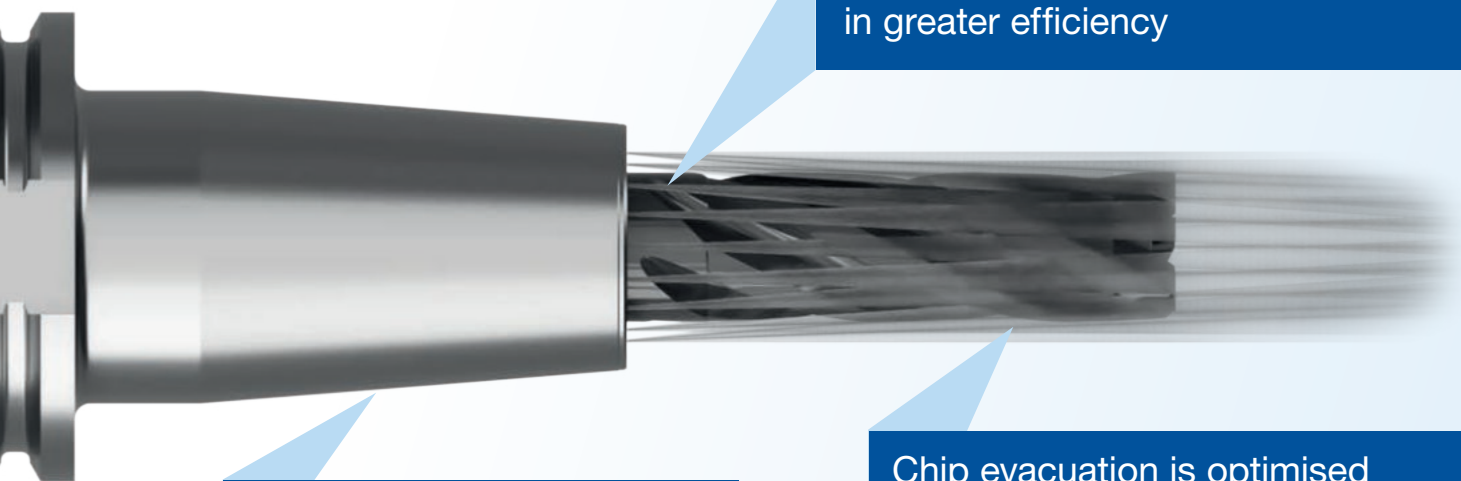
MEDICAL AND DENTAL TECHNIQUES

Optimised coolant supply, reducing thermal cycling of cutter

- Increased tool life
- Improved surface quality
- Improved performance through higher feeds – better swarf evacuation



Targeted coolant supply, resulting in greater efficiency



Tried and tested ThermoGrip® geometry

Chip evacuation is optimised because of coolant flushing from cutter flute chambers, ensuring improved chip removal

Features

- Optimal coolant supply direct to the tool cutting edge
- Concentricity < 3µm
- Available with different nozzle rings as standard
- ThermoGrip Corona Jet is available for all standard T... shrink chuck versions from diameter 6mm to 20mm

Benefits

- Increased tool life due to reduced thermal cycling through consistent coolant supply
- Improved surface quality
- Milling of deep cavities
- Improved performance through higher feeds – better swarf evacuation
- Higher surface quality - no swarf contamination, therefore no reworking costs
- No cutting edge breakages, therefore tool life is increased

“ Ideal for tools without coolant channels. Excellent results achieved in ferrous, non-ferrous and composite materials, especially when peripheral milling, interpolation milling and deep cavities.”

Abb. step key

Abb. nozzle rings



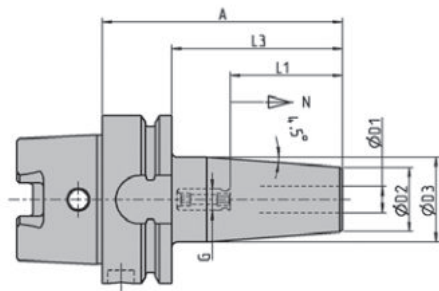
■ Optimal parameters of cooling water pressure and speed

Optimum cooling water distribution based on speed and pressure. The optimum results are shown in blue in the Chart.



ThermoGrip® Corona Jet^{2.0}

are available for all standard shrink fit chucks T, TB and M from diameter 6 mm to 20 mm are available*.



T...-C4-HSKA63									G2,5/ 25.000	≤ 3µm	max. 24.000	CHIP	HSS
D1 (mm)	A (mm)	L3 (mm)	D2 (mm)	D3 (mm)	L1 (mm)	N (mm)	G	Designation	Ident No.				
6	80	54	21	27	36	10	M5	T0600-80-C4-HSKA63	5188357				
8	80	54	21	27	36	10	M6	T0800-80-C4-HSKA63	5188358				
10	85	59	24	32	42	10	M8x1	T1000-85-C4-HSKA63	5188359				
12	90	64	24	32	47	10	M10x1	T1200-90-C4-HSKA63	5188360				
14	90	64	27	34	47	10	M10x1	T1400-90-C4-HSKA63	5188361				
16	95	69	27	34	50	10	M12x1	T1600-95-C4-HSKA63	5188362				
18	95	69	33	42	50	10	M12x1	T1800-95-C4-HSKA63	5188363				
20	100	74	33	42	52	10	M16x1	T2000-100-C4-HSKA63	5188364				

Corona Jet 2.0 can be optionally reworked on request.

Version includes Corona Jet ring

For information on balancing quality and maximum speed, please refer to our ThermoGrip® shrink fit chuck catalog

* GPL: 200 mm not possible; GPL:160 mm on request

Accessories: nozzle rings

Shank diameter (mm)	Tightening torques (Nm)	Ident No. Corona Jet version	Ident No. Cool Jet version	Ident No. Closed version
6	20	5188400	5188519	5188527
8	24	5188401	5188520	5188528
10	28	5188402	5188521	5188529
12	32	5188404	5188522	5188530
14	36	5188405	5188523	5188531
16	40	5188406	5188524	5188532
18	44	5188407	5188525	5188533
20	48	5188408	5188526	5188534



Perfect wetting of the cutting edge guarantees max. tool life.

Included



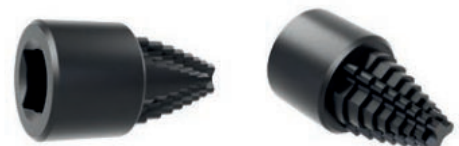
Max. Coolant flow for optimum chip removal.



Allows easy changeover for tools with internal cooling.

Accessory: Ring assembly driver

Designation	Shank	Ident No.
T-C4-0600-2000	1/2 Zoll □	5188546



Accessory: Torque wrench

Designation	Shank	Ident No.
C1; Torque wrench	1/2 Zoll □	5192155

