

Deburring tool holder

Flexible, efficient and
universal with BILZ innovations



GENERAL
MECHANICAL
ENGINEERING



RENEWABLE
ENERGY



AUTOMOTIVE



ELECTRONIC



VISUAL OPTICS



FINE
MECHANICS



TOOLMAKING

DTH – Deburring tool holder

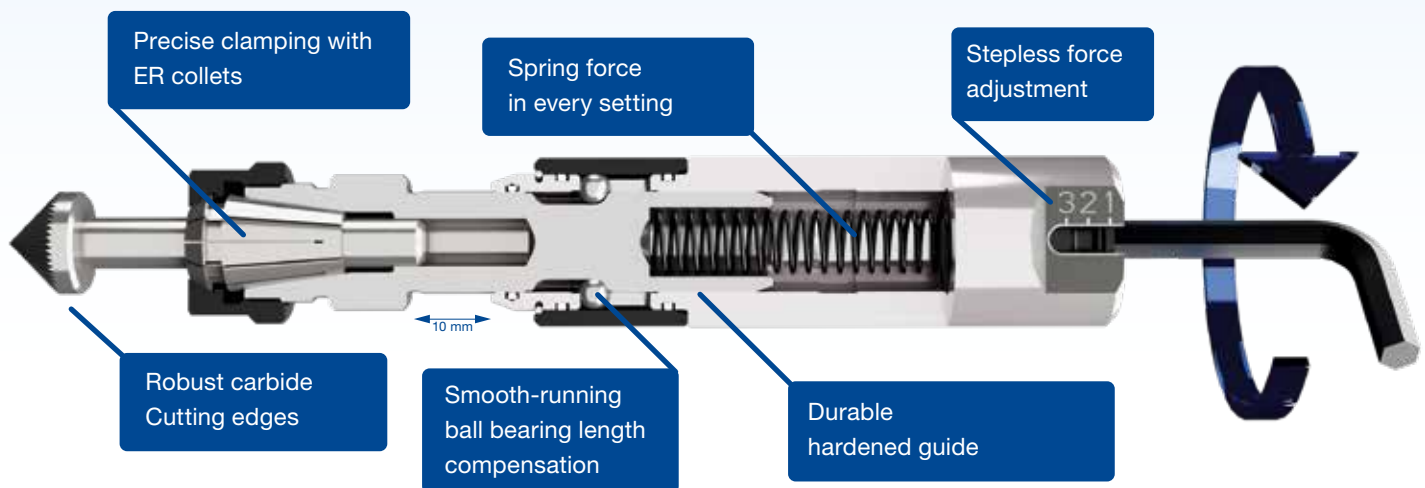
Features:

- Integrated pressure adjustment technology to ensure consistent quality
- Compensation for uneven surfaces
- Deburring tool holder for mechanical engineering
- Compatible with common CNC machines
- Suitable for steel, aluminium and plastics

Advantages:

- Flexible thanks to top quality – precise and repeatable deburring
- Universal application – compatible with common clamping systems (20 h6 shank)
- High flexibility – 10 mm spring travel under pressure, continuously adjustable from 2.6 N to 6.0 N
- Deburring directly in the machine without manual reworking
- Robust and durable – solid construction for volume and individual production
- Simple CNC programming

- ✓ Precise deburring of workpiece edges
- ✓ Machines milling edges or elliptical edges of drill holes made in a angled surface
- ✓ Adjustment options for different workpieces and materials
- ✓ Suitable for individual parts and volume production



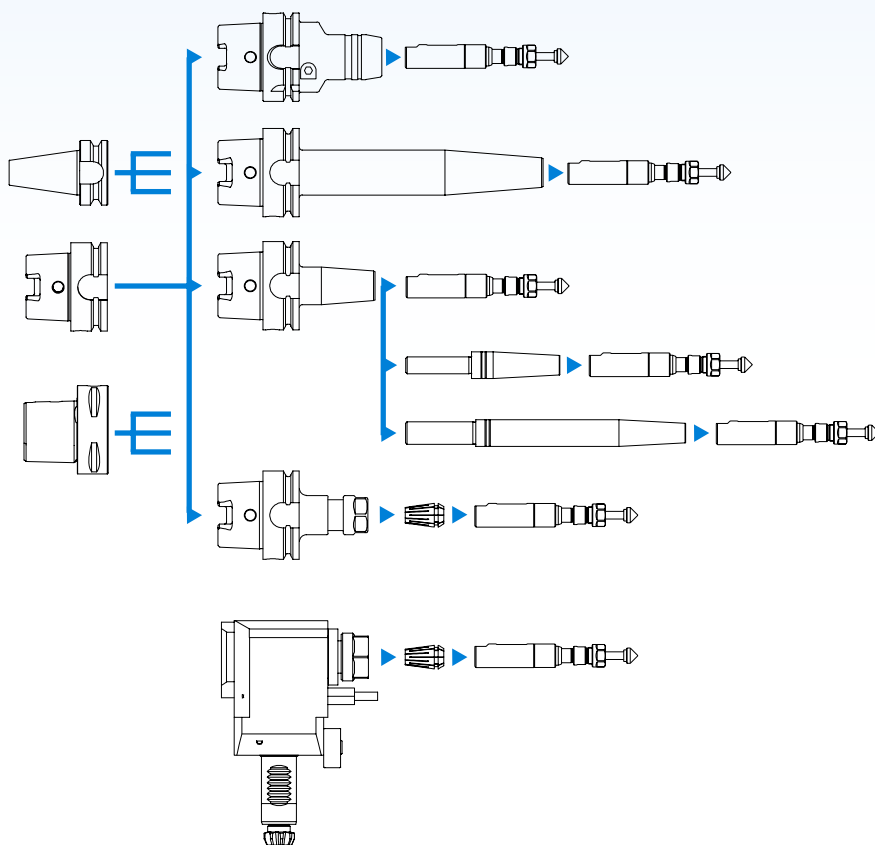
Adjustment and forces

Force preset	Spring deflection (delivery depth)		
	0 mm	5 mm	10 mm
Pos. 1	2,6 N	3,7 N	4,8 N
Pos. 2	3,1 N	4,3 N	5,4 N
Pos. 3	3,7 N	4,8 N	6,0 N

For all materials
plastic, aluminium
and steel

ALL MECHANICAL CLAMPING METHODS, SHRINKING, COLLETS, ETC

Many possible combinations to integrate our deburring tool holder into your process using your existing Chucking equipment.



Flexible, universal deburring for highest demands

DTH	Designation	Ident No.	Deburring tool holder
Deburring tool holder	DTH1-ER11-Z2000	5238865	
Collet (Ø 6)	ER11-6	5056189	

Technical features

- 20h6 shank for modular use in all clamping systems
- High-quality materials for robustness
- Easy adjustment without special tools
- Allen key SW5mm
- ER11 collet chuck for tools up to a shank diameter of 7 mm
- Compensation for cutting pressure 10 mm
- Pressure range adjustable from 2.6 N to 6.0 N

Designation	D1	L1	L2	Ident No.	Deburring tool
DT0606-2;Frässtift	6	50	5	5227973	z.B. DT1006-5; Milling cutter DT = Deburring Tool 10 = Head diameter D1 06 = Shaft diameter D2 -5 = Interlocking
DT0606-3;Frässtift				5227974	
DT0606-5;Frässtift				5227975	
DT0606-63;Frässtift				5227976	
DT1006-2;Frässtift	10	55	10	5239847	
DT1006-3;Frässtift				5227977	
DT1006-5;Frässtift				5227978	
DT1006-63;Frässtift				5227979	
DT1606-2;Frässtift	16	58	13	5239848	
DT1606-3;Frässtift				5227980	
DT1606-63;Frässtift				5227981	
DT1606-5;Frässtift				5227982	

Cutting edges (flutes)

Designation

For materials



Z 2 Coarse
single serration

High chip removal
(Roughing)

Non-ferrous metals, plastics and
non-ferrous metals



Z 3 Medium
single serration

Semi-roughing / finishing

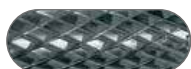
Cast steel or similar
materials



Z 5 Fine
single serration

For finishing and deburring

Steel, cast iron or titanium



Z 63
Cross-tooth

Universal application

Hardened steels, grey cast iron,
chrome-nickel steels