

# UBURR THE MACHINE DEBURRING TOOL

UBurr deburring tools provide you with an innovating way to remove your burrs.

UBurr deburring tools providing a quick, effective, reliable and consistent deburring way of front and back side bore edges of a drilled hole in one single pass.

A simple and efficient spring mechanism for inserting and removing the blade. Special blade sharpening that preserves the hole bore.

UBurr tools range remove burrs with an efficient and consistent way.

This solution is faster, easier, and more economical for your hole deburring problems for a mass production process.

UBurr deburring tool is a great choice for batch runs or in a production environment when a reliable and stable performance is required.

UBurr deburring tools radially removes the burrs off the bore edges, without requiring the workpiece to be turned or the spindle to be stopped.

The tool blade designed to easily deburr unwanted material from the front and back side of the holes in seconds.

The tool blade designed to protect the hole bore and to unarm the internal surface.

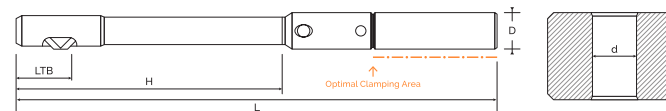
The UBurr standard tool series range from Ø3 mm up to Ø25mm.

Custom made tools can be made for your specific applications.

## UBURR COMPLETE SETS TOOL & BLADE

Cat. No.	Tool No.	Blade No.	Description	Hole Diameter d	Shank Diameter D	LTB*	H	L
UB3000	UB1030	UB2030	NMT-UB-d030-H29-D08-L85 + B	3	8	9.3	29	85
UB3001	UB1035	UB2030	NMT-UB-d035-H29-D08-L85 + B	3.5	8	9.3	29	85
UB3002	UB1040	UB2030	NMT-UB-d040-H43-D08-L90 + B	4	8	12.2	43	90
UB3003	UB1045	UB2030	NMT-UB-d045-H43-D08-L90 + B	4.5	8	12.2	43	90
UB3004	UB1050	UB2030	NMT-UB-d050-H53-D08-L115 + B	5	8	13.2	53	115
UB3005	UB1055	UB2060	NMT-UB-d055-H53-D08-L115 + B	5.5	8	13.2	53	115
UB3006	UB1060	UB2060	NMT-UB-d060-H53-D08-L115 + B	6	8	11.6	53	115
UB3007	UB1065	UB2060	NMT-UB-d065-H53-D08-L115 + B	6.5	8	11.6	53	115
UB3008	UB1070	UB2060	NMT-UB-d070-H53-D08-L115 + B	7	10	11.6	53	115
UB3009	UB1075	UB2060	NMT-UB-d075-H53-D08-L115 + B	7.5	10	11.6	53	115
UB3010	UB1080	UB2060	NMT-UB-d080-H53-D10-L115 + B	8	10	11.6	53	115
UB3011	UB1085	UB2060	NMT-UB-d085-H53-D10-L115 + B	8.5	10	11.6	53	115
UB3012	UB1090	UB2060	NMT-UB-d090-H53-D10-L115 + B	9	10	11.6	53	115
UB3013	UB1095	UB2060	NMT-UB-d090-H53-D10-L115 + B	9.5	10	11.6	53	115
UB3014	UB1100	UB2060	NMT-UB-d0100-H63-D10-L125+B	10	10	13.3	80	125
UB3015	UB1105	UB2060	NMT-UB-d0105-H63-D10-L125+B	10.5	12	13.3	80	125
UB3016	UB1110	UB2060	NMT-UB-d0110-H63-D10-L125+B	11	12	13.3	80	125
UB3017	UB1115	UB2060	NMT-UB-d0115-H63-D10-L125+B	11.5	12	13.3	80	125
UB3018	UB1120	UB2060	NMT-UB-d0120-H63-D12-L125+B	12	12	13.3	80	125
UB3019	UB1125	UB2060	NMT-UB-d0125-H63-D12-L125+B	12.5	12	13.3	80	125

\* Custom made tools can be made for your specific applications | \* Length to bottom



Blade Item No.	For Hole Diameter d mm
UB2030	4.5 - 3.0
UB2060	25.0 - 5.0

### TOOL

NMT NOGA Machine Tools	UB - UBURR	d-Hole Diameter	H-Neck Down Length	D Shank Diameter	L Total Length
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## CUTTING CONDITIONS

- P** Steel
- M** Stainless Steel
- K** Cast Iron
- N** Aluminum
- S** Titanium/Inconel
- H** Hard Material

HSS		HSS + COATING TiN *	
Vc=m/min	Fz=mm/tooth	Vc=m/min	Fz=mm/tooth
45.0 - 25.0	0.1 - 0.05	65.0 - 45.0	0.1 - 0.05
30.0 - 15.0	0.08 - 0.05	55.0 - 30.0	0.08 - 0.05
35.0 - 20.0	0.1 - 0.05	55.0 - 35.0	0.1 - 0.05
60.0 - 40.0	0.12 - 0.05	75.0 - 50.0	0.12 - 0.05
15.0 - 10.0	0.08 - 0.05	20.0 - 15.0	0.08 - 0.05
30.0 - 15.0	0.08 - 0.05	35.0 - 20.0	0.08 - 0.05

\* Coated blades on request



# UBURR: THE TOOL PATH

## ONE PASS SOLUTION TO HOLE-DEBURRING

1

The **UBURR** tools remove the burr from the front hole surface by a unique flexible blade.

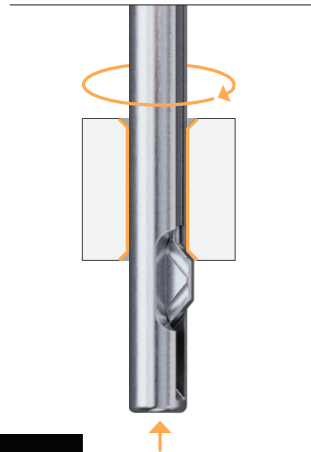
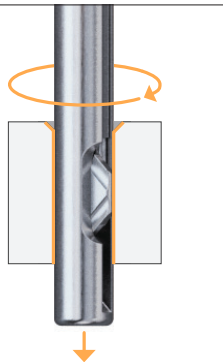
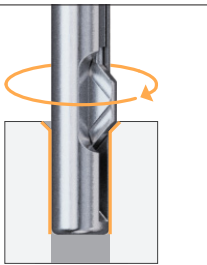
2

The **UBURR** blade enters into the tool pocket automatically as the pressure is increasing on the blade.

The unique geometry prevents the blade to damage the surface inside the hole.

3

The **UBURR** tools remove the burr from the back hole surface with the same spindle direction by going up.



1

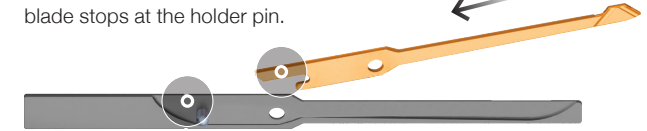


3



## BLADE INSERTION

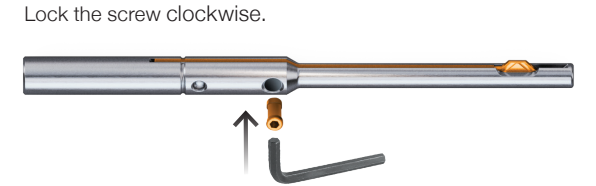
- 1 Insert the blade into the holder slot until the blade stops at the holder pin.



- 2 Push the blade into the tool pocket.

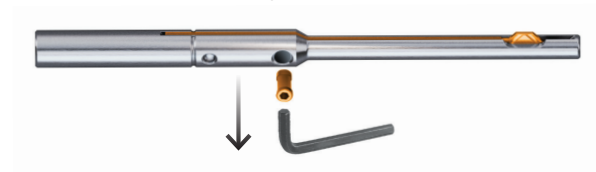


- 3 Lock the screw clockwise.

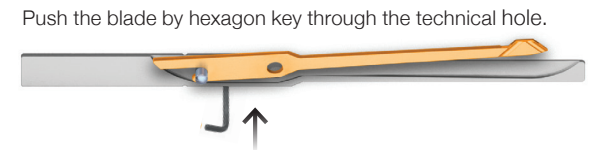


## BLADE REMOVAL

- 1 Remove the blade: Unlock the screw with Allen Key counter-clockwise turn of the locking screw.



- 2 Push the blade by hexagon key through the technical hole.



- 3 Pull up the blade from the holder.

