



» DEBURRING PROGRAM



Product Information

Unigrat „Universal Handle”, designed in accordance with the latest ergonomic research.

One-hand operation

The locking head can be drawn back with thumb and finger of the hand holding the tool. With the locking head withdrawn, all steel holders (B-C-D-E-F) can be used and adjusted to lengths of up to 100,0 mm.

Grip grooves

The ends of the grip grooves are raised, preventing the tool from slipping out of the hand.

Offset surfaces

The offset between the surfaces means that the Unigrat „Universal Handle” can be held firmly for maximum torque.

Tapered handle

Gets narrower towards the base, giving improved grip.

Removable cap

The relevant blades can be stored inside the handle.

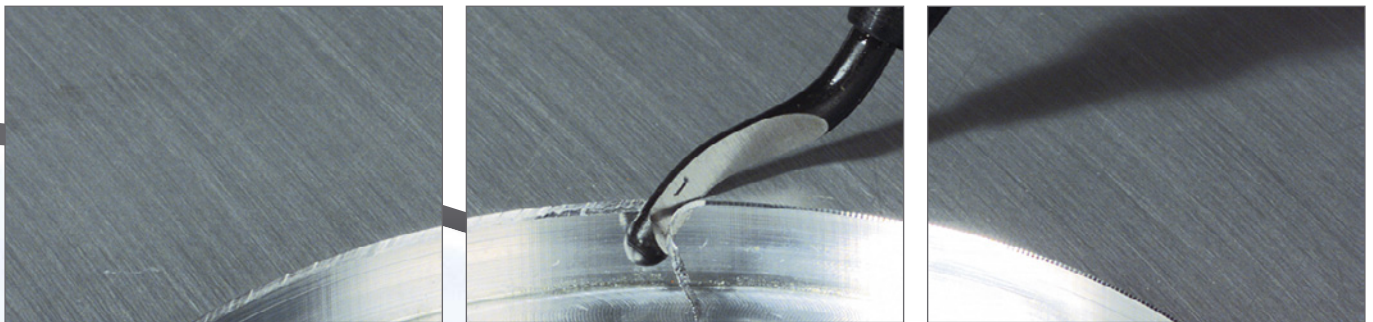


Application table

	Alloyed steel	Rust-resistant steel	Steel	Sheet metal	Cast iron	Aluminium	Copper	Brass	Polyacetal	Polyamid (PA)	Polyvinyl chlorid (PVC)	Polyphenylene oxide	Polyethylene	Polypropylene	Poly carbonate	Polytetrafluoroethylene	Polystyrene
Unigrat B 10	☐	☐	■	☐	☐	■	■	☐	■	■	■	■	■	■	■	■	■
Unigrat B 20	☐	☐	☐	☐	■	☐	☐	■	■	■	■	■	■	■	■	■	■
Unigrat B 30	☐	☐	■	☐	☐	■	■	☐	■	■	■	■	■	■	■	■	■
Unigrat B 50	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Unigrat B 60	☐	☐	■	☐	☐	■	■	☐	■	■	■	■	■	■	■	■	■
Unigrat B 70	■	■	■	■	■	■	■	■	■	☐	■	■	☐	☐	■	☐	■
Unigrat C 40	☐	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Unigrat C 42	☐	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Unigrat D 80	■	■	■	■	■	■	■	☐	■	☐	■	■	☐	☐	■	☐	■
Unigrat D 82	■	■	■	■	■	■	■	☐	■	☐	■	■	☐	☐	■	☐	■
Unigrat E 100	☐	☐	■	☐	☐	■	■	☐	■	■	■	■	■	■	■	■	■
Unigrat E 200	☐	☐	☐	☐	■	☐	☐	■	■	■	■	■	■	■	■	■	■
Unigrat E 300	☐	☐	■	☐	☐	■	■	☐	■	■	■	■	■	■	■	■	■
Unigrat E 350	☐	☐	☐	☐	■	☐	☐	■	☐	☐	☐	☐	☐	☐	☐	☐	☐
Unigrat E 600	☐	☐	■	☐	☐	■	■	☐	■	■	■	■	■	■	■	■	■
Unigrat F 12	☐	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Unigrat F 20	☐	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Unigrat F 30	☐	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Double deburrer	☐	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Groove deburrer	☐	■	■	☐	■	■	■	■	■	■	■	■	■	■	■	■	■
Sheet-metal deburrer	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Tube deburrer	☐	■	■	☐	■	■	■	■	■	■	■	■	■	■	■	■	■




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Unigrat „Universal Handle”




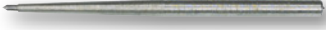


Packing unit: in plastic pack

Description	Article no.	
Universal handle A This handle fits all holders B-C-D-E-F. With the locking head withdrawn, the steel holders can be adjusted up to 100,0 mm in length and can be locked in any position. The replacement blades fit in the bottom cavity of the handle.	107 010	

Unigrat „Steel holder”



Description	Content pieces	Article no.	
Steel holder B	1	107 011	
Steel holder C	1	107 019	
Steel holder D	1	107 022	
Steel holder E	1	107 025	
Steel holder F	1	107 031	

Unigrat „Blade B”

Description	Content pieces	Article no.	
Blade B 10 The HSS blade most commonly used for internal and external deburring work on long-chipping materials such as steel, aluminium, plastics etc.	10	107 012	
Blade B 20 This HSS blade is used for short-chipping materials such as brass and cast iron. Can be used in both directions.	10	107 014	
Blade B 30 This HSS blade is suitable for the simultaneous deburring of inside and outside bores in material up to 4,0 mm thickness.	10	107 015	
Blade B 50 Scriber with carbide-tipped point, regrindable.	1	107 016	
Blade B 60 This HSS blade removes burrs from the back of material up to 20,0 mm thickness.	10	107 017	
Blade B 70 This carbide-tipped blade deburs workpieces made of material up to 3,0 mm thickness.	1	107 018	



Unigrat „Blade C”

Packing unit: in plastic pack

Description	Content pieces	Article no.	
Blade C 40 Small HSS triangular scraper 4,0 x 20,0 mm for precision work on surfaces up to 4 mm width.	1	107 020	
Blade C 42 Large HSS triangular scraper 8,0 x 30,0 mm for standard work on surfaces up to 8,0 mm width.	1	107 021	






Unigrat „Blade D”

Packing unit: in plastic pack

Description	Content pieces	Article no.	
Blade D 80 Reversible tungsten-carbide insert for blunt scraping and deburring sheet metal up to 3,0 mm thickness. 6 cutting edges.	1	107 023	
Blade D 82 Reversible tungsten-carbide insert for deburring sheet metal up to 8,0 mm thickness. 2 cutting edges.	1	107 024	

Unigrat „Blade E”

Packing unit: in plastic pack


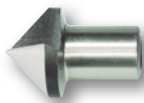
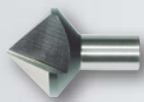
Description	Content pieces	Article no.	
Blade E 100 HSS blade with B 10 cutting edge, long shank only. For internal and external deburring work on long-chipping materials such as steel, aluminium, plastics etc.	10	107 026	
Blade E 200 HSS blade with B 20 cutting edge, long shank only. For short-chipping materials such as brass and cast iron. Usable in both directions.	10	107 027	
Blade E 300 HSS blade with B 30 cutting edge, long shank only. For simultaneous deburring of internal and external bores in materials up to 4,0 mm thickness.	10	107 028	
Blade E 350 This HSS blade is suitable for deburring straight edges, keyways etc.	10	107 029	
Blade E 600 This HSS blade is suitable for deburring from behind in materials up to 20,0 mm thickness.	5	107 030	



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Unigrat „Blade F”

Packing unit: in plastic pack



Description	Content pieces	Article no.	
Countersinker F 12 HSS countersinker for deburring bores up to Ø 12,0 mm.	1	107 032	
Countersinker F 20 HSS countersinker for deburring bores up to Ø 20,0 mm.	1	107 033	
Countersinker F 30 HSS countersinker for deburring bores up to Ø 30,0 mm.	1	107 034	



Edge trimmer with HSS blades

- Plastic handle with removable back for spare blade storage.
- Exchangeable blades.
- Ideal for trimming edges, tubes, steel, aluminium, brass and copper sheets, cast iron and plastic sheets.

Packing unit: in plastic pack


Description	Article no.
Edge trimmer A1 complete with E 100 HSS blade 	107 050
4-piece set of edge trimmer A3 complete with 3 HSS blades 	107 051



Tube deburrer with HSS cutting edges

- Ideal for internal tube deburring.
- Ideal for external tube deburring.
- Suitable for tube diameters from 4,0 to 36,0 mm.

Packing unit: individual cartons




Description	Article no.
Tube deburrer 	107 053

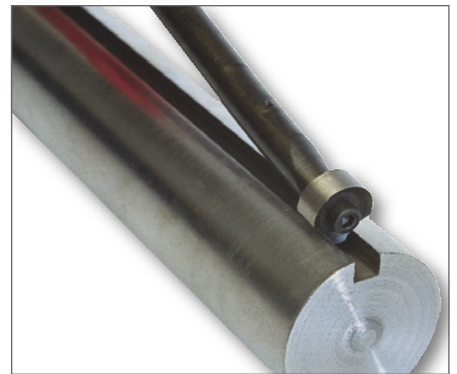


Groove deburrer set "N" with HSS disk blade

- Plastic handle.
- Exchangeable HSS disk blade.
- Ideal for grooves from 2,4 - 11,0 mm width.
- Especially suitable for deburring shaft keyways and bores in steel and aluminium.

Packing unit: in plastic pack



Description		Article no.
3-piece set of groove deburrer "N" 3 pieces with RUKO universal handle A		107 062
1 replacement steel holder N		107 037
1 replacement HSS disk blade		107 063



Double deburrer with HSS disk blades

- Plastic handle with hand protector and 2 HSS blades.
- Exchangeable HSS disk blades.
- The disk blades can be turned when the cutting surfaces become worn, enabling the whole blade circumference to be utilized.
- The distance between the disk blades can be adjusted.
- Suitable for double-sided deburring of steel, aluminium, brass, copper and plastic sheets up to 10,0 mm thickness.

Packing unit: in plastic pack



Description		Article no.
Double deburrer, complete		107 060
1 replacement HSS disk blade		107 061



Rapid deburrer with HSS blade

- Hexagonal aluminium handle.
- Small and handy.
- Pocket-sized for permanent readiness.

Packing unit: in plastic bags of 1 each

Description		Article no.
Rapid deburrer with non-exchangeable E 100 HSS blade		107 052
Rapid deburrer with exchangeable E 100 HSS blade		107 054








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Unigrat sets

A rational deburring system for all deburring work that has to be done by hand. The wide selection of blades provides a wide range of deburring possibilities for bores and edges. The various blades enable you to debur bores from inside, outside or on both sides, as the blade itself adapts to the contours.

Packing unit: in plastic packs

Description	Article no.
4-piece set of unigrat deburrer "B" 	107 003
3-piece set of unigrat deburrer "C" 	107 004
4-piece set of unigrat deburrer "D" 	107 005
5-piece set of unigrat deburrer "E" 	107 006
3-piece set of unigrat deburrer "F" 	107 007

