

FASCINATION  PRECISION®



ULTIMATECUT

TECHNICALLY PERFECTED.

MORE PRECISE. MORE POWERFUL. FASTER.

- + achieves the best performance in almost all materials and applications
- + considerably less feed force required
- + up to 60% longer service life
- + up to 30% faster countersinking
- + extremely quiet running
- + optimal and smooth surface
- + perfect chip removal



Standard Countersink



RUKO *ULTIMATECUT*



RUKO *ULTIMATECUT* RUnaTEC



...TECHNICALLY PERFECTED.

ULTIMATECUT

RUKO ULTIMATECUT

REVOLUTIONARY FLUTE GEOMETRY

The specially developed flute parameters, such as the angle, the transition radius as well as the extra-wide chip flute, ensure an optimal chip and heat removal and therefore enable a high wear resistance. Furthermore, the new geometry prevents material welding and reduces the countersinking force.

OPTIMIZED RELIEF GRINDING

The variably running relief grinding was specially developed and ensures a very quiet countersinking procedure and a perfect surface quality, which guarantees the best results. (The new RUnaTEC coating increases the quality additionally)

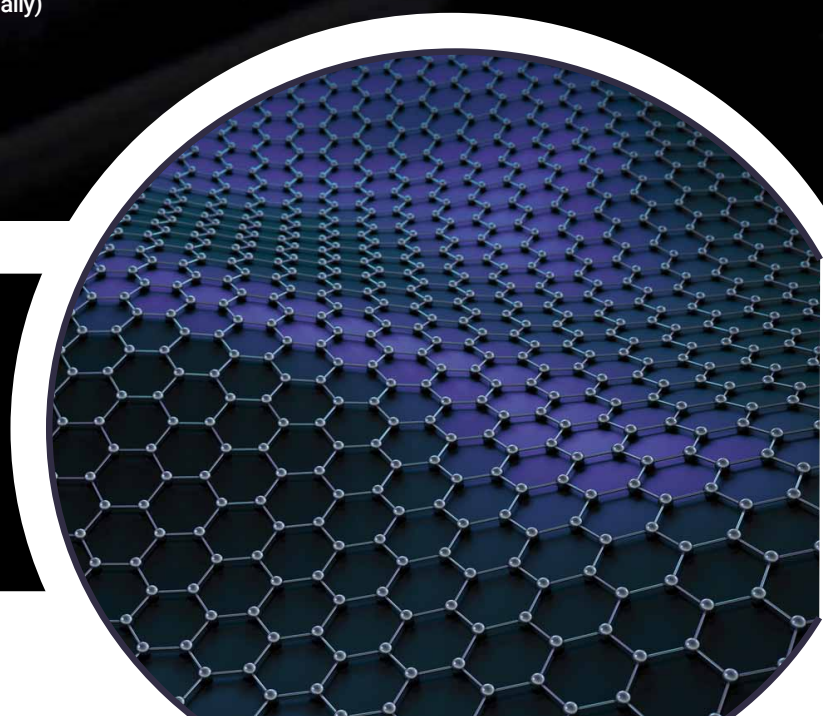
3-SURFACE SHANK

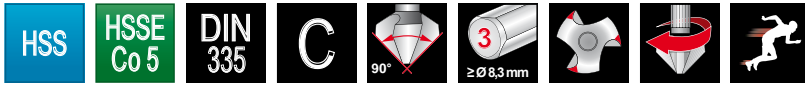
Prevents slipping in the chuck and makes the countersinker perfectly suitable for the application in hand drilling machines.

RUna
TEC

RUKO nano TECHNOLOGY
coating

- extremely high wear resistance
- applicable for normal and high-performance cutting
- no material welding
- perfect and smooth surface
- extremely high nano-hardness





N Taper and deburring countersinker "ULTIMATECUT" (DIN 335) type C 90°

The newly developed cutting geometry of the ULTIMATECUT enormously reduces the axial and radial forces, which are affecting the tool during the countersinking. The variably running relief grinding was specially developed and ensures a very quiet countersinking procedure and a perfect surface quality, which guarantees the best results. (The new RUnaTEC coating further increases performance). The specially developed flute parameters, such as the angle, the transition radius as well as the extra-wide chip flute, ensure an optimal chip and heat removal and therefore enable a high wear resistance.

Furthermore, the new geometry prevents material welding and reduces the countersinking force. Considerably less feed power while countersinking is now necessary. The materials can be handled either with a very high as well as with a very low cutting speed, without loss of quality/loosing quality concerning the result.

The ULTIMATECUT achieves the best performance in mostly all applications and materials.



Packing unit: in plastic tubes of 1

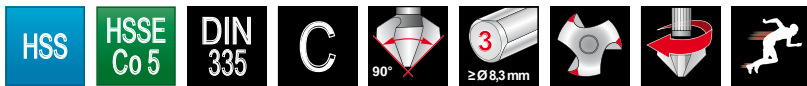
- achieves the best performance in almost all materials and applications
- considerably less feed force required
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Steel (N/mm ²) < 900	■	■	■	■
Steel (N/mm ²) < 1100		□	■	■
Steel (N/mm ²) < 1300			□	■
Rust-resistant steel	□	■	■	■
Aluminium	■	■	■	■

Brass	■	■	■	■
Bronze	□	□	□	□
Plastics	■	■	■	■
Cast iron	□	□	□	□
Titanium alloyed				□

Ø2 mm	Ø1 mm	L1 mm	Ø3 mm	Countersinkings as per DIN 74					
6,3	1,5	45,0	5,0	M 3	102 767	102 767 P	102 767 E	102 767 EP	1
8,3	2,0	50,0	6,0	M 4	102 771	102 771 P	102 771 E	102 771 EP	1
10,4	2,5	50,0	6,0	M 5	102 774	102 774 P	102 774 E	102 774 EP	1
12,4	2,8	56,0	8,0	M 6	102 776	102 776 P	102 776 E	102 776 EP	1
15,0	3,2	60,0	10,0	M 8	102 778	102 778 P	102 778 E	102 778 EP	1
16,5	3,2	60,0	10,0	M 8	102 779	102 779 P	102 779 E	102 779 EP	1
19,0	3,5	63,0	10,0	M 10	102 780	102 780 P	102 780 E	102 780 EP	1
20,5	3,5	63,0	10,0	M 10	102 781	102 781 P	102 781 E	102 781 EP	1
23,0	3,8	67,0	10,0	M 12	102 782	102 782 P	102 782 E	102 782 EP	1
25,0	3,8	67,0	10,0	M 12	102 783	102 783 P	102 783 E	102 783 EP	1
31,0	4,2	71,0	12,0	M 16	102 785	102 785 P	102 785 E	102 785 EP	1





ULTIMATECUT

N Taper and deburring countersinker sets "ULTIMATECUT" (DIN 335) type C 90° in steel case

	HSS	HSS RU ^{na} TEC	HSSE Co 5	HSSE Co 5 RU ^{na} TEC
6-piece set of taper and deburring countersinkers "ULTIMATECUT" (DIN 335) type C 90° Ø 6,3 - 8,3 - 10,4 - 12,4 - 16,5 - 20,5 mm	102 790	102 790 P	102 790 E	102 790 EP
5-piece set of taper and deburring countersinkers "ULTIMATECUT" (DIN 335) type C 90° Ø 6,3 - 10,4 - 16,5 - 20,5 - 25,0 mm	102 791	102 791 P	102 791 E	102 791 EP



N Taper and deburring countersinker sets "ULTIMATECUT" (DIN 335) type C 90° in plastic case

	HSS	HSS RU ^{na} TEC	HSSE Co 5	HSSE Co 5 RU ^{na} TEC
6-piece set of taper and deburring countersinkers "ULTIMATECUT" (DIN 335) type C 90° Ø 6,3 - 8,3 - 10,4 - 12,4 - 16,5 - 20,5 mm	102 790 RO	102 790 PRO	102 790 ERO	102 790 EPRO
5-piece set of taper and deburring countersinkers "ULTIMATECUT" (DIN 335) type C 90° Ø 6,3 - 10,4 - 16,5 - 20,5 - 25,0 mm	102 791 RO	102 791 PRO	102 791 ERO	102 791 EPRO



ULTIMATECUT

VARIATIONS



The newly developed cutting geometry of the ULTIMATECUT enormously reduces the axial and radial forces, which are affecting the tool during the countersinking. The variably running relief grinding was specially developed and ensures a very quiet countersinking procedure and a perfect surface quality, which guarantees the best results. (The new RUaTEC coating further increases performance). The specially developed flute parameters, such as the angle, the transition radius as well as the extra-wide chip flute, ensure an optimal chip and heat removal and therefore enable a high wear resistance. Furthermore, the new geometry prevents material welding and reduces the countersinking force. Considerably less feed power while countersinking is now necessary. The materials can be handled either with a very high as well as with a very low cutting speed, without loss of quality/loosing quality concerning the result. The ULTIMATECUT achieves the best performance in mostly all applications and materials!



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