



DRILLING TOOLS CATALOGUE

2016

TERRAX[®]
by **RUKO**

Overview of symbols

HSSHeavy-duty high speed steel for drilling holes in easy-to-machine materials with a strength of up to 900 N/mm².**HSSE
Co 5**Heavy-duty high speed steel with 5 % cobalt content.
High ductility and heat resistance, for drilling holes in difficult-to-machine materials with a strength of up to 1100 N/mm².**HSS-G**

Same as HSS, drill is ground.

HSS-R

same as HSS, drill is rolled.



bright



Gold surface



Black surface



bright / black surface

**TiN**

The titanium nitride coating is a universally usable standard coating. It has a 300-400 % longer service life than non-coated materials. Cooling is recommended.



Shank: Morse taper



Shank: cylindrical



Shank: Weldon



90°

Step angle, e.g. 90°



118°

Point angle: 118°

Drilling depth
e.g. 30,0 mm

130°

Point angle e.g. 130°



C

≥ Ø 3,0 mm

Shape C: Split point

**800**
N/mm²

Tenacity classes



90°

Countersink angle: 90°



Cutting edges: 3


**DIN**
338Short twist drills
with straight shankTwist drills:
right hand cuttingStep drills:
right hand cuttingThread-cutting tools:
right hand cuttingCore drills:
right hand cuttingTaper and deburring countersin-
kers: right hand cutting**B**Type B,
4 - 5 threads with progressive
tap**C**Type C / 35° right-hand spiral
flutes,
2 - 3 threads**N**Helix angle: 25-30°
Point angle: 118°
Point cut: form C




TWIST DRILLS

TERRAX[®]
by **RUKO**

Twist drills DIN 338 type N HSSE-Co 5
ground in plastic box

 Ø 1,0 - 10,0 mm in plastic box of 10
Ø 10,2 - 13,0 mm in plastic box of 5



Ø mm	mm	mm	No.		€
Ø 1,0 mm	34,0 mm	12,0 mm	215 010 TX	10	
Ø 1,5 mm	40,0 mm	18,0 mm	215 015 TX	10	
Ø 2,0 mm	49,0 mm	24,0 mm	215 020 TX	10	
Ø 2,5 mm	57,0 mm	30,0 mm	215 025 TX	10	
Ø 3,0 mm	61,0 mm	33,0 mm	215 030 TX	10	
Ø 3,3 mm	65,0 mm	36,0 mm	215 033 TX	10	
Ø 3,5 mm	70,0 mm	39,0 mm	215 035 TX	10	
Ø 4,0 mm	75,0 mm	43,0 mm	215 040 TX	10	
Ø 4,2 mm	75,0 mm	43,0 mm	215 042 TX	10	
Ø 4,5 mm	80,0 mm	47,0 mm	215 045 TX	10	
Ø 5,0 mm	86,0 mm	52,0 mm	215 050 TX	10	
Ø 5,5 mm	93,0 mm	57,0 mm	215 055 TX	10	
Ø 6,0 mm	93,0 mm	57,0 mm	215 060 TX	10	
Ø 6,5 mm	101,0 mm	63,0 mm	215 065 TX	10	
Ø 6,8 mm	109,0 mm	69,0 mm	215 068 TX	10	
Ø 7,0 mm	109,0 mm	69,0 mm	215 070 TX	10	
Ø 7,5 mm	109,0 mm	69,0 mm	215 075 TX	10	
Ø 8,0 mm	117,0 mm	75,0 mm	215 080 TX	10	
Ø 8,5 mm	117,0 mm	75,0 mm	215 085 TX	10	
Ø 9,0 mm	125,0 mm	81,0 mm	215 090 TX	10	
Ø 9,5 mm	125,0 mm	81,0 mm	215 095 TX	10	
Ø 10,0 mm	133,0 mm	87,0 mm	215 100 TX	10	
Ø 10,2 mm	133,0 mm	87,0 mm	215 102 TX	5	
Ø 10,5 mm	133,0 mm	87,0 mm	215 105 TX	5	
Ø 11,0 mm	142,0 mm	94,0 mm	215 110 TX	5	
Ø 11,5 mm	142,0 mm	94,0 mm	215 115 TX	5	
Ø 12,0 mm	151,0 mm	101,0 mm	215 120 TX	5	
Ø 12,5 mm	151,0 mm	101,0 mm	215 125 TX	5	
Ø 13,0 mm	151,0 mm	101,0 mm	215 130 TX	5	

Twist drills DIN 338 type N HSSE-Co 5
ground in plastic case

19   **Unit**
19 / pcs. 25 Piece

Ø 1,0 - 10,0 x 0,5 mm

25   **Unit**
25 / pcs. 20 Piece

Ø 1,0 - 13,0 x 0,5 mm



Twist drills DIN 338 type N HSSE-Co 5
ground in steel case

19   **Unit**
19 / pcs. 25 Piece

Ø 1,0 - 10,0 x 0,5 mm

25   **Unit**
25 / pcs. 20 Piece

Ø 1,0 - 13,0 x 0,5 mm



	No.	€
19-piece set of twist drills	A 215 214 RO	
25-piece set of twist drills	A 215 215 RO	

	No.	€
19-piece set of twist drills	A 215 214	
25-piece set of twist drills	A 215 215	



Twist drill magazine DIN 338 type N
HSSE-Co 5 ground in steel case

10 pcs. each of Ø 1,0 - 6,0 x 0,5 mm
10 pcs. each of Ø 3,3 + 4,2 mm

130 tlg./pcs. HSSE Co 5 Unit 10 Piece



	No.	€
Twist drill magazine DIN 338 type N HSSE-Co 5 ground	A 215 195	

Twist drill magazine DIN 338 type N
HSSE-Co 5 ground in steel case

10 pcs. each of Ø 1,0 - 8,0 x 0,5 mm
5 pcs. each of Ø 8,5 - 10,0 x 0,5 mm

170 tlg./pcs. HSSE Co 5 Unit 10 Piece



	No.	€
Twist drill magazine DIN 338 type N HSSE-Co 5 ground	A 215 200	

Twist drills DIN 338 type N HSSE-Co 5
ground in steel case - flat

19 tlg./pcs. HSSE Co 5 Unit 25 Piece



Ø 1,0 - 10,0 x
0,5 mm

25 tlg./pcs. HSSE Co 5 Unit 20 Piece




Ø 1,0 - 13,0 x
0,5 mm




	No.	€
19-piece set of twist drills - flat	A 215 319	
25-piece set of twist drills - flat	A 215 325	

Twist drills DIN 338 type N HSS ground in plastic box

 Ø 1,0 - 10,0 mm in plastic box of 10
Ø 10,2 - 13,0 mm in plastic box of 5



Ø mm	mm	mm	No.		€
Ø 1,0 mm	34,0 mm	12,0 mm	214 010 TX	10	
Ø 1,5 mm	40,0 mm	18,0 mm	214 015 TX	10	
Ø 2,0 mm	49,0 mm	24,0 mm	214 020 TX	10	
Ø 2,5 mm	57,0 mm	30,0 mm	214 025 TX	10	
Ø 3,0 mm	61,0 mm	33,0 mm	214 030 TX	10	
Ø 3,3 mm	65,0 mm	36,0 mm	214 033 TX	10	
Ø 3,5 mm	70,0 mm	39,0 mm	214 035 TX	10	
Ø 4,0 mm	75,0 mm	43,0 mm	214 040 TX	10	
Ø 4,2 mm	75,0 mm	43,0 mm	214 042 TX	10	
Ø 4,5 mm	80,0 mm	47,0 mm	214 045 TX	10	
Ø 5,0 mm	86,0 mm	52,0 mm	214 050 TX	10	
Ø 5,5 mm	93,0 mm	57,0 mm	214 055 TX	10	
Ø 6,0 mm	93,0 mm	57,0 mm	214 060 TX	10	
Ø 6,5 mm	101,0 mm	63,0 mm	214 065 TX	10	
Ø 6,8 mm	109,0 mm	69,0 mm	214 068 TX	10	
Ø 7,0 mm	109,0 mm	69,0 mm	214 070 TX	10	
Ø 7,5 mm	109,0 mm	69,0 mm	214 075 TX	10	
Ø 8,0 mm	117,0 mm	75,0 mm	214 080 TX	10	
Ø 8,5 mm	117,0 mm	75,0 mm	214 085 TX	10	
Ø 9,0 mm	125,0 mm	81,0 mm	214 090 TX	10	
Ø 9,5 mm	125,0 mm	81,0 mm	214 095 TX	10	
Ø 10,0 mm	133,0 mm	87,0 mm	214 100 TX	10	
Ø 10,2 mm	133,0 mm	87,0 mm	214 102 TX	5	
Ø 10,5 mm	133,0 mm	87,0 mm	214 105 TX	5	
Ø 11,0 mm	142,0 mm	94,0 mm	214 110 TX	5	
Ø 11,5 mm	142,0 mm	94,0 mm	214 115 TX	5	
Ø 12,0 mm	151,0 mm	101,0 mm	214 120 TX	5	
Ø 12,2 mm	151,0 mm	101,0 mm	214 122 TX	5	
Ø 12,5 mm	151,0 mm	101,0 mm	214 125 TX	5	
Ø 13,0 mm	151,0 mm	101,0 mm	214 130 TX	5	

Twist drills DIN 338 type N HSS ground in plastic case

19   25 Stück

Ø 1,0 - 10,0 x 0,5 mm

25   20 Stück

Ø 1,0 - 13,0 x 0,5 mm



	No.	€
19-piece set of twist drills	A 214 214 RO	
25-piece set of twist drills	A 214 215 RO	

Twist drills DIN 338 type N HSS ground in steel case

19   25 Stück

Ø 1,0 - 10,0 x 0,5 mm

25   20 Stück

Ø 1,0 - 13,0 x 0,5 mm



	No.	€
19-piece set of twist drills	A 214 214	
25-piece set of twist drills	A 214 215	

Twist drills magazine DIN 338 type N
HSS ground in plastic case

170 HSS-G Unit
10 Piece

10 pcs. each of Ø 1,0 - 8,0 x 0,5 mm
5 pcs. each of Ø 8,5 - 10,0 x 0,5 mm



	No.	€
Twist drills magazine DIN 338 type N HSS ground	A 214 200 RO	

Twist drills DIN 338 type N HSS ground
in steel case - flat

19 HSS-G VPE
25 Stück

Ø 1,0 - 10,0 x 0,5 mm

25 HSS-G VPE
20 Stück

Ø 1,0 - 13,0 x 0,5 mm



	No.	€
19-piece set of twist drills - flat	A 214 319	
25-piece set of twist drills - flat	A 214 325	

Twist drill magazine DIN 338 type N
HSS ground in steel case

10 pcs. each of Ø 1,0 - 6,0 x 0,5 mm
10 pcs. each of Ø 3,3 + 4,2 mm

130 HSS-G Unit
10 Piece



	No.	€
Twist drill magazine DIN 338 type N HSS ground	A 214 195	

Twist drill magazine DIN 338 type N
HSS ground in steel case

10 pcs. each of Ø 1,0 - 8,0 x 0,5 mm
5 pcs. each of Ø 8,5 - 10,0 x 0,5 mm

170 HSS-G Unit
10 Piece



	No.	€
Twist drill magazine DIN 338 type N HSS ground	A 214 200	

Twist drill magazine DIN 338 type N
HSS ground in steel case

220 HSS-G Unit
10 Piece

10 pcs. each of Ø 1,0 - 8,0 x 0,5 mm
5 pcs. each of Ø 8,5 - 13,0 x 0,5 mm
10 pcs. each of Ø 3,3 + 4,2 mm



	No.	€
Twist drills magazine DIN 338 type N HSS ground	A 214 220	

Twist drill set DIN 345 type N HSS
in steel case


10 HSS VPE
10 Stück

10 HSS VPE
10 Stück




	No.	€
Ø 14,0 / 15,0 / 16,0 / 17,0 / 18,0 / 19,0 / 20,0 / 21,0 / 22,0 / 23,0 mm	A 204 001	
Ø 14,0 / 16,0 / 18,0 / 20,0 / 22,0 / 24,0 / 25,0 / 26,0 / 28,0 / 30,0 mm	A 204 002	

Twist drills DIN 338 type N HSS rolled
in plastic box

 Ø 1,0 - 10,0 mm in plastic box of 10
Ø 10,2 - 13,0 mm in plastic box of 5



Ø mm	mm	mm	No.		€
Ø 1,0 mm	34,0 mm	12,0 mm	201 010 TX	10	
Ø 1,5 mm	40,0 mm	18,0 mm	201 015 TX	10	
Ø 2,0 mm	49,0 mm	24,0 mm	201 020 TX	10	
Ø 2,5 mm	57,0 mm	30,0 mm	201 025 TX	10	
Ø 3,0 mm	61,0 mm	33,0 mm	201 030 TX	10	
Ø 3,3 mm	65,0 mm	36,0 mm	201 033 TX	10	
Ø 3,5 mm	70,0 mm	39,0 mm	201 035 TX	10	
Ø 4,0 mm	75,0 mm	43,0 mm	201 040 TX	10	
Ø 4,2 mm	75,0 mm	43,0 mm	201 042 TX	10	
Ø 4,5 mm	80,0 mm	47,0 mm	201 045 TX	10	
Ø 5,0 mm	86,0 mm	52,0 mm	201 050 TX	10	
Ø 5,5 mm	93,0 mm	57,0 mm	201 055 TX	10	
Ø 6,0 mm	93,0 mm	57,0 mm	201 060 TX	10	
Ø 6,5 mm	101,0 mm	63,0 mm	201 065 TX	10	
Ø 6,8 mm	109,0 mm	69,0 mm	201 068 TX	10	
Ø 7,0 mm	109,0 mm	69,0 mm	201 070 TX	10	
Ø 7,5 mm	109,0 mm	69,0 mm	201 075 TX	10	
Ø 8,0 mm	117,0 mm	75,0 mm	201 080 TX	10	
Ø 8,5 mm	117,0 mm	75,0 mm	201 085 TX	10	
Ø 9,0 mm	125,0 mm	81,0 mm	201 090 TX	10	
Ø 9,5 mm	125,0 mm	81,0 mm	201 095 TX	10	
Ø 10,0 mm	133,0 mm	87,0 mm	201 100 TX	10	
Ø 10,2 mm	133,0 mm	87,0 mm	201 102 TX	5	
Ø 10,5 mm	133,0 mm	87,0 mm	201 105 TX	5	
Ø 11,0 mm	142,0 mm	94,0 mm	201 110 TX	5	
Ø 11,5 mm	142,0 mm	94,0 mm	201 115 TX	5	
Ø 12,0 mm	151,0 mm	101,0 mm	201 120 TX	5	
Ø 12,2 mm	151,0 mm	101,0 mm	201 122 TX	5	
Ø 12,5 mm	151,0 mm	101,0 mm	201 125 TX	5	
Ø 13,0 mm	151,0 mm	101,0 mm	201 130 TX	5	

Twist drill sets DIN 338 type N HSS rolled
in steel case

19 HSS-R Unit
tfg./pcs. 25 Piece

Ø 1,0 - 10,0 x 0,5 mm

25 HSS-R Unit
tfg./pcs. 20 Piece

Ø 1,0 - 13,0 x 0,5 mm



	No.	€
19-piece set of twist drills	A 205 210	
25-piece set of twist drills	A 205 211	

Twist drill sets DIN 338 type N HSS rolled
in plastic case

19 HSS-R Unit
tfg./pcs. 25 Piece

Ø 1,0 - 10,0 x 0,5 mm

25 HSS-R Unit
tfg./pcs. 20 Piece

Ø 1,0 - 13,0 x 0,5 mm



	No.	€
19-piece set of twist drills	A 205 210 RO	
25-piece set of twist drills	A 205 211 RO	



Twist drill magazine DIN 338 type N
HSS rolled in steel case

10 pcs. each of Ø 1,0 - 8,0 x 0,5 mm
5 pcs. each of Ø 8,5 - 10,0 x 0,5 mm

170 HSS-R Unit
10 Piece



	No.	€
Twist drill magazine DIN 338 type N HSS rolled	A 205 200	

Twist drill magazine DIN 338 type N
HSS rolled in steel case

10 pcs. each of Ø 1,0 - 6,0 x 0,5 mm
10 pcs. each of Ø 3,3 + 4,2 mm

130 HSS-R Unit
10 Piece



	No.	€
Twist drill magazine DIN 338 type N HSS rolled	A 205 195	

Twist drill sets DIN 338 type N HSS rolled
in steel case - flat

19 HSS-R Unit
25 Piece

Ø 1,0 - 10,0 x 0,5 mm


25 HSS-R Unit
20 Piece

Ø 1,0 - 13,0 x 0,5 mm



	No.	€
19-piece set of twist drills - flat	A 205 319	
25-piece set of twist drills - flat	A 205 325	

Twist drills DIN 338 type N HSS-TiN ground in plastic box

 Ø 1,0 - 10,0 mm in plastic box of 10
Ø 10,2 - 13,0 mm in plastic box of 5



Ø mm	mm	mm	No.	€
Ø 1,0 mm	34,0 mm	12,0 mm	250 010 TX	
Ø 1,5 mm	40,0 mm	18,0 mm	250 015 TX	
Ø 2,0 mm	49,0 mm	24,0 mm	250 020 TX	
Ø 2,5 mm	57,0 mm	30,0 mm	250 025 TX	
Ø 3,0 mm	61,0 mm	33,0 mm	250 030 TX	
Ø 3,3 mm	65,0 mm	36,0 mm	250 033 TX	
Ø 3,5 mm	70,0 mm	39,0 mm	250 035 TX	
Ø 4,0 mm	75,0 mm	43,0 mm	250 040 TX	
Ø 4,2 mm	75,0 mm	43,0 mm	250 042 TX	
Ø 4,5 mm	80,0 mm	47,0 mm	250 045 TX	
Ø 5,0 mm	86,0 mm	52,0 mm	250 050 TX	
Ø 5,5 mm	93,0 mm	57,0 mm	250 055 TX	
Ø 6,0 mm	93,0 mm	57,0 mm	250 060 TX	
Ø 6,5 mm	101,0 mm	63,0 mm	250 065 TX	
Ø 6,8 mm	109,0 mm	69,0 mm	250 068 TX	

Ø mm	mm	mm	No.	€
Ø 7,0 mm	109,0 mm	69,0 mm	250 070 TX	
Ø 7,5 mm	109,0 mm	69,0 mm	250 075 TX	
Ø 8,0 mm	117,0 mm	75,0 mm	250 080 TX	
Ø 8,5 mm	117,0 mm	75,0 mm	250 085 TX	
Ø 9,0 mm	125,0 mm	81,0 mm	250 090 TX	
Ø 9,5 mm	125,0 mm	81,0 mm	250 095 TX	
Ø 10,0 mm	133,0 mm	87,0 mm	250 100 TX	
Ø 10,2 mm	133,0 mm	87,0 mm	250 102 TX	
Ø 10,5 mm	133,0 mm	87,0 mm	250 105 TX	
Ø 11,0 mm	142,0 mm	94,0 mm	250 110 TX	
Ø 11,5 mm	142,0 mm	94,0 mm	250 115 TX	
Ø 12,0 mm	151,0 mm	101,0 mm	250 120 TX	
Ø 12,2 mm	151,0 mm	101,0 mm	250 122 TX	
Ø 12,5 mm	151,0 mm	101,0 mm	250 125 TX	
Ø 13,0 mm	151,0 mm	101,0 mm	250 130 TX	

Twist drills DIN 338 type N HSS-TiN ground in steel case

19 tlg./pcs. **HSS-G** **TiN** **VPE** 25 Stück
Ø 1,0 - 10,0 x 0,5 mm

25 tlg./pcs. **HSS-G** **TiN** **VPE** 20 Stück
Ø 1,0 - 13,0 x 0,5 mm

	No.	€
19-piece set of twist drills	A 250 214 T	
25-piece set of twist drills	A 250 215 T	



Twist drills magazine DIN 338 type N HSS-TiN ground in plastic case

170 tlg./pcs. **HSS-G** **TiN** **Unit** 10 Piece

10 pcs. each of Ø 1,0 - 8,0 x 0,5 mm
5 pcs. each of Ø 8,5 - 10,0 x 0,5 mm



	No.	€
Twist drills magazine DIN 338 type N HSS ground	A 214 200 RO	

Twist drills DIN 338 type N HSS-TiN ground in plastic case

19 tlg./pcs. **HSS-G** **TiN** **Unit** 25 Piece
Ø 1,0 - 10,0 x 0,5 mm

25 tlg./pcs. **HSS-G** **TiN** **Unit** 20 Piece
Ø 1,0 - 13,0 x 0,5 mm



	No.	€
19-piece set of twist drills	A 250 214 TRO	
25-piece set of twist drills	A 250 215 TRO	



THREAD-CUTTING

TERRAX[®]
by **RUKO**

Thread-cutting set HSS
in steel case

8 HSS Unit
tfg./pcs. 25 Piece



One round die ≈ DIN EN 22568
HSS ground M3 - M12
+ die stock DIN 225 – 25,0 x 9,0 mm

	No.	€
Thread-cutting set, 8 pcs.	A 245 014	

Hand tap set HSS
in steel case

21 HSS Unit
tfg./pcs. 25 Piece



One three-piece set of hand taps
DIN 352 HSS
M 3 / M 4 / M 5 / M 6 / M 8 / M 10 / M 12

	No.	€
Thread-cutting set, 21 pcs.	A 245 006	

Thread-cutting set HSS
in steel case

31 HSS Unit
tfg./pcs. 20 Piece



One round die ≈ DIN EN 22568 HSS / M3 - M12
+ 1 hand tap set DIN 352 HSS / M3 - M12
+ die stock DIN 225 – 25,0 x 9,0 mm
+ 1 tap wrench DIN 1814 Size 1½
+ 1 screwdriver



	No.	€
Thread-cutting set, 31 pcs.	A 245 013	

Thread-cutting set HSS
in plastic case

45 HSS Unit
tfg./pcs. 25 Piece



Hand tap set DIN 352 HSS / M3 - M12
+ one round die ≈ DIN EN 22568 HSS / M3 - M12
+ die stock DIN 225 – 20,0 x 5,0 / 20,0 x 7,0 / 25,0 x 9,0 / 30,0 x 11,0 / 38,0 x 14,0 mm
+ twist drills DIN 338 type N HSS ground – Ø 2,5 / 3,3 / 4,2 / 5,0 / 6,8 / 8,5 / 10,2 mm
+ tap wrench size 1 / size 2 DIN 1814
+ 1 steel tap wrench size 1
+ 1 screwdriver
+ 1 screw-pitch gauge



	No.	€
Thread-cutting set, 45 pcs.	A 245 021	

Thread-cutting set HSS
in steel case



- Hand tap set DIN 352 HSS / M3 - M12
- + one round die \approx DIN EN 22568 HSS / M3 - M12
- + die stock DIN 225 – 20,0 x 5,0 / 20,0 x 7,0 / 25,0 x 9,0 / 30,0 x 11,0 / 38,0 x 14,0 mm
- + tap wrench size 1 + 2 DIN 1814
- + 1 screwdriver
- + 1 screw-pitch gauge

	No.	€
Thread-cutting set, 37 pcs.	A 245 020	



Thread-cutting set HSS
in steel case



- Hand tap set DIN 352 HSS / M3 - M12
- + one round die \approx DIN EN 22568 HSS / M3 - M12
- + die stock DIN 225 – 20,0 x 5,0 / 20,0 x 7,0 / 25,0 x 9,0 / 30,0 x 11,0 / 38,0 x 14,0 mm
- + twist drills DIN 338 type N HSS-R – \varnothing 2,5 / 3,3 / 4,2 / 5,0 / 6,8 / 8,5 / 10,2 mm
- + tap wrench size 1 + 2 DIN 1814
- + 1 screwdriver
- + 1 screw-pitch gauge

	No.	€
Thread-cutting set, 44 pcs.	A 245 030	



Thread-cutting set HSS
in steel case



- Hand tap set DIN 352 HSS / M3 - M20
- + one round die \approx DIN EN 22568 HSS / M3 - M20
- + die stock DIN 225 – 20,0 x 5,0 / 20,0 x 7,0 / 25,0 x 9,0 / 30,0 x 11,0 / 38,0 x 14,0 / 45,0 x 18,0 mm
- + tap wrench size 1 + 3 DIN 1814
- + 1 screwdriver
- + 1 screw-pitch gauge

	No.	€
Thread-cutting set, 54 pcs.	A 245 040	



Hand taps M DIN 352 HSS ground
in plastic case



Taper tap: 5 - 6 thread chamfer
Second tap: 4 - 5 thread chamfer
Final tap: 2 - 3 thread chamfer

Thread: metric, DIN ISO 13
Tolerance: ISO 2 / 6H
right hand cutting



M	Pitch mm	Thread core hole Ø mm	mm	mm	No.	€
M 3	0,50	2,5	40,0	10,0	230 030 TX	
M 4	0,70	3,3	45,0	12,0	230 040 TX	
M 5	0,80	4,2	50,0	13,0	230 050 TX	
M 6	1,00	5,0	56,0	15,0	230 060 TX	
M 8	1,25	6,8	63,0	18,0	230 080 TX	
M 10	1,50	8,5	70,0	24,0	230 100 TX	
M 12	1,75	10,2	75,0	29,0	230 120 TX	
M 14	2,00	12,0	80,0	30,0	230 140 TX	
M 16	2,00	14,0	80,0	32,0	230 160 TX	
M 18	2,50	15,5	95,0	40,0	230 180 TX	
M 20	2,50	17,5	95,0	40,0	230 200 TX	

Round dies M DIN EN 22568 HSS ground
in plastic case

Type: Type B closed, preslotted
Thread: metric, DIN ISO 13
Tolerance: ISO - 6g

Surface: bright
right hand cutting



M	Pitch mm	Thickness mm	Outside Ø mm	No.	€
M 3	0,50	5,0	20,0	237 030 TX	
M 4	0,70	5,0	20,0	237 040 TX	
M 5	0,80	7,0	20,0	237 050 TX	
M 6	1,00	7,0	20,0	237 060 TX	
M 8	1,25	9,0	25,0	237 080 TX	
M 10	1,50	11,0	38,0	237 100 TX	
M 12	1,75	14,0	38,0	237 120 TX	
M 14	2,00	14,0	38,0	237 140 TX	
M 16	2,00	18,0	45,0	237 160 TX	
M 18	2,50	18,0	45,0	237 180 TX	
M 20	2,50	18,0	45,0	237 200 TX	



MACHINE TAPS

TERRAX[®]
by **RUKO**

Machine taps M DIN 371 / 376
type B with progressive tap HSS ground

1 tlg./pcs. B HSS DIN 371/376 800 N/mm²

Machine taps with reinforced shank for through threads.

Chamfer: type B, 4 - 5 threads with progressive tap
Thread: metric, DIN ISO 13
Flanks: relief-ground



M	Pitch mm	Thread core hole mm	mm	mm	Ø shank mm	No.	€
M 3	0,50	2,5	56,0	11,0	3,5	232 030 TX	
M 4	0,70	3,3	63,0	13,0	4,5	232 040 TX	
M 5	0,80	4,2	70,0	16,0	6,0	232 050 TX	
M 6	1,00	5,0	80,0	19,0	6,0	232 060 TX	
M 8	1,25	6,8	90,0	22,0	8,0	232 080 TX	
M 10	1,50	8,5	100,0	24,0	10,0	232 100 TX	
M 12	1,75	10,2	110,0	28,0	9,0	232 120 TX	

Machine taps M DIN 371 / 376 type C / 35° right-hand spiral flutes HSS ground

1 tlg./pcs. C HSS DIN 371/376 800 N/mm²

Machine taps with reinforced shank and 35° right-hand spiral flutes for bottoming.

Chamfer: type C / 35° right-hand spiral flutes, 2-3 threads
Thread: metric, DIN ISO 13
Flanks: relief-ground



M	Pitch mm	Thread core hole mm	mm	mm	Ø shank mm	No.	€
M 3	0,50	2,5	56,0	11,0	3,5	234 030 TX	
M 4	0,70	3,3	63,0	13,0	4,5	234 040 TX	
M 5	0,80	4,2	70,0	16,0	6,0	234 050 TX	
M 6	1,00	5,0	80,0	19,0	6,0	234 060 TX	
M 8	1,25	6,8	90,0	22,0	8,0	234 080 TX	
M 10	1,50	8,5	100,0	24,0	10,0	234 100 TX	
M 12	1,75	10,2	110,0	28,0	9,0	233 120 TX	

Machine tap set HSS + HSSE-Co 5, in plastic case

7 tlg./pcs. HSS Unit 5 Piece B

M DIN 371 / 376
type B / M3 - M12

7 tlg./pcs. HSSE Co 5 Unit 5 Piece B

M DIN 371 / 376
type B / M3 - M12



Machine tap set HSS + HSSE-Co 5, in plastic case

7 tlg./pcs. HSS Unit 5 Piece C

M DIN 371 / 376
type C / 35° RSP / M3 - M12

7 tlg./pcs. HSSE Co 5 Unit 5 Piece C

M DIN 371 / 376
type C / 35° RSP / M3 - M12



	No.	€
HSS - type B	A 245 057 TX	
HSSE-Co 5 - type B	A 245 057 ETX	

	No.	€
HSS - type C	A 245 058 TX	
HSSE-Co 5 - type C	A 245 058 ETX	



STEP DRILLS

TERRAX[®]
by **RUKO**

Step drills HSS + HSS-TiN, CBN ground, straight cut with split point



Size 0/9 | Ø 4,0 - 12,0 mm
 Size 1 | Ø 4,0 - 20,0 mm
 Size 2 | Ø 6,0 - 30,0 mm

Point cut: work's specification with split point DIN 1412 C
 Point angle: 118°
 Step angle: 90°
 Ø tolerance: works specification
 Surface: bright / titanium-nitride coated
 right hand cutting

Packing unit: in plastic box of 1



	Size no.	Drilling range	No.	€
HSS-G	0/9	4,0 - 12,0	A101 050-9 TX	
	1	4,0 - 20,0	A101 051 TX	
	2	6,0 - 30,0	A101 052 TX	

	Size no.	Drilling range	No.	€
HSS-G TiN	0/9	4,0 - 12,0	A101 050-9 TTX	
	1	4,0 - 20,0	A101 051 TTX	
	2	6,0 - 30,0	A101 052 TTX	

Step drill set HSS, straight cut in plastic case



Size 0/9 / Size 1 / Size 2



	No.	€
3-piece set of step drills HSS, sizes 0/9, 1, 2	A 101 126 RO	

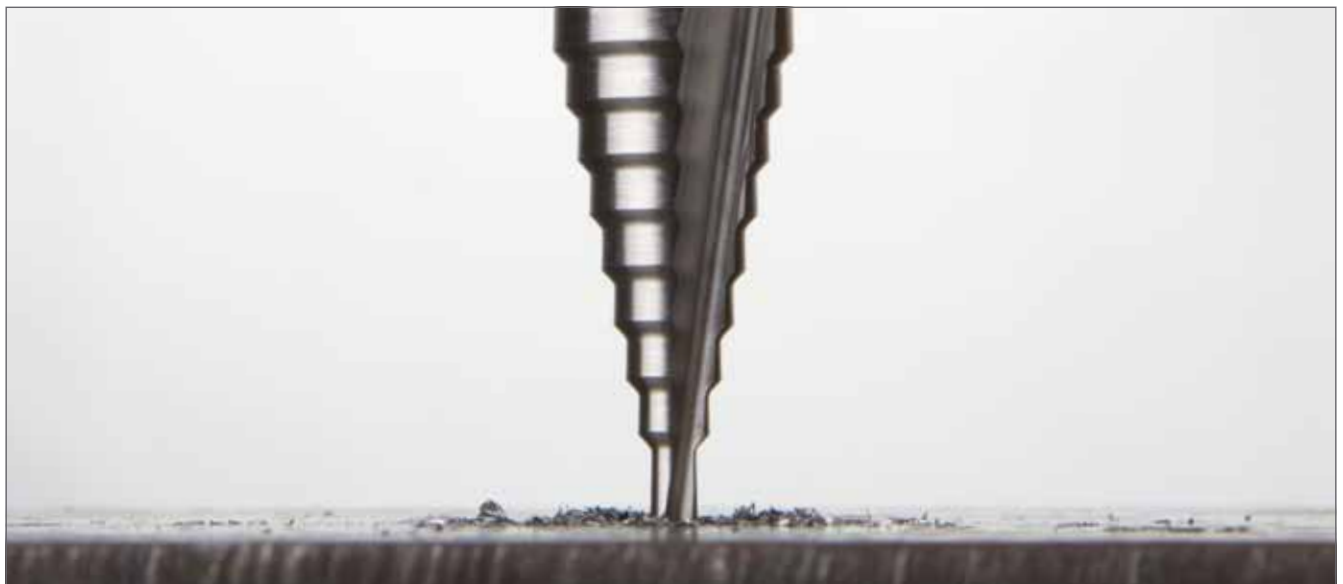
Step drill set HSS-TiN, straight cut in plastic case



Size 0/9 / Size 1 / Size 2



	No.	€
3-piece set of step drills HSS-TiN, sizes 0/9, 1, 2	A 101 126 TRO	





TAPER AND DEBURRING COUNTERSINKER

TERRAX[®]
by **RUKO**

Taper and deburring countersinker HSS + HSS-TiN
DIN 335 type C 90°



Counters. angle: 90°
Shank: cylindrical
Cutting edges: 3
Surface: bright / titanium-nitride
right hand cutting



Packing unit: in plastic tubes of 1

	Ø2 mm	mm	No.	€
HSS	6,3	45,0	102 107 TX	
	8,3	50,0	102 111 TX	
	10,4	50,0	102 114 TX	
	12,4	56,0	102 116 TX	
	16,5	60,0	102 119-1 TX	
	20,5	63,0	102 121 TX	

	Ø2 mm	mm	No.	€
HSS	6,3	45,0	102 107 TTX	
	8,3	50,0	102 111 TTX	
	10,4	50,0	102 114 TTX	
TiN	12,4	56,0	102 116 TTX	
	16,5	60,0	102 119-1 TTX	
	20,5	63,0	102 121 TTX	

Taper and deburring countersinker set HSS, in plastic box



DIN 335 type C 90°
Ø 6,3 - 8,3 - 10,4 - 12,4 -
16,5 - 20,5 mm



	No.	€
Taper and deburring countersinker set DIN 335 type C 90°	A 102 152 RO	

Taper and deburring countersinker set HSS-TiN, in plastic box



DIN 335 type C 90°
Ø 6,3 - 8,3 - 10,4 - 12,4 -
16,5 - 20,5 mm



	No.	€
Taper and deburring countersinker set DIN 335 type C 90°	A 102 152 TRO	





CORE DRILLS

TERRAX[®]
by **RUKO**

Core drills HSS + HSS-TiN with weldon shank (3/4"),
CBN ground, cutting depth 30,0 mm



Core drill made of heavy-duty high speed steel.
Suitable for steel (such as T-brackets, large
sheets), cast iron, non-ferrous and light metals.

Packing unit:
in plastic tubes of 1



	Ø mm		mm		No.	€
	12,0	19,0	63,0	30,0	108 212 TX	
	14,0	19,0	63,0	30,0	108 214 TX	
	16,0	19,0	63,0	30,0	108 216 TX	
	18,0	19,0	63,0	30,0	108 218 TX	
	20,0	19,0	63,0	30,0	108 220 TX	
	22,0	19,0	63,0	30,0	108 222 TX	
	24,0	19,0	63,0	30,0	108 224 TX	
	26,0	19,0	63,0	30,0	108 226 TX	
	28,0	19,0	63,0	30,0	108 228 TX	
	30,0	19,0	63,0	30,0	108 230 TX	
	32,0	19,0	63,0	30,0	108 232 TX	

	Ø mm		mm		No.	€
	12,0	19,0	63,0	30,0	108 212 TTX	
	14,0	19,0	63,0	30,0	108 214 TTX	
	16,0	19,0	63,0	30,0	108 216 TTX	
	18,0	19,0	63,0	30,0	108 218 TTX	
	20,0	19,0	63,0	30,0	108 220 TTX	
	22,0	19,0	63,0	30,0	108 222 TTX	
	24,0	19,0	63,0	30,0	108 224 TTX	
	26,0	19,0	63,0	30,0	108 226 TTX	
	28,0	19,0	63,0	30,0	108 228 TTX	
	30,0	19,0	63,0	30,0	108 230 TTX	
	32,0	19,0	63,0	30,0	108 232 TTX	

Pilot pin Ø 6,35 x 77,0 mm for core drills HSS with weldon shank (3/4")					108 304 TX	
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Set of core drills HSS with weldon shank (3/4"), CBN
ground, in steel case



Ø 12,0 - 14,0 - 16,0 -
18,0 - 20,0 - 22,0 mm
+ 1 pilot pin Ø 6,35 mm



	No.	€
Set of core drills HSS with weldon shank	A 108 820	

Set of core drills HSS-TiN with weldon shank (3/4"),
CBN ground, in steel case



Ø 12,0 - 14,0 - 16,0 -
18,0 - 20,0 - 22,0 mm
+ 1 pilot pin Ø 6,35 mm



	No.	€
Set of core drills HSS-TiN with weldon shank	A 108 820 T	



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Quantity	Designation	Article no.	Quantity	Designation	Article no.

Bi-metal hole saw set HSS
in plastic case



Ø 22,0 / 29,0 / 35,0 / 44,0 / 51,0 / 68,0 mm
+ 2 arbor holders A2 and A4



	No.	€
Bi-metal hole saw set HSS for electricians	A 106 340	

TERRAX[®]
by **RUKO**

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