



THREAD REPAIR TOOLS

FASCINATION FOR PRECISION®

Thread Inserts

Standard design, stainless steel and free running.

Thread reinforcement for materials with low shearing strenght, e.g. aluminium alloys and magnesium alloys as well as to repair enables worn and damaged threads.

Packing unit: in plastic box

Nominal thread size	Pitch mm	Height = factor x Ø	Article no.	
M 3	0,50	1,0	244 303	50
M 4	0,70	1,0	244 304	50
M 5	0,80	1,0	244 305	50
M 6	1,00	1,0	244 306	50
M 8	1,25	1,0	244 308	50
M 10	1,50	1,0	244 310	50
M 12	1,75	1,0	244 312	25
M 14	2,00	1,0	244 314	25
MF 14	1,25	1,0	244 315	25

M 3	0,50	1,5	244 403	50
M 4	0,70	1,5	244 404	50
M 5	0,80	1,5	244 405	50
M 6	1,00	1,5	244 406	50
M 8	1,25	1,5	244 408	50
M 10	1,50	1,5	244 410	50
M 12	1,75	1,5	244 412	25
M 14	2,00	1,5	244 414	25
MF 14	1,25	1,5	244 415	25

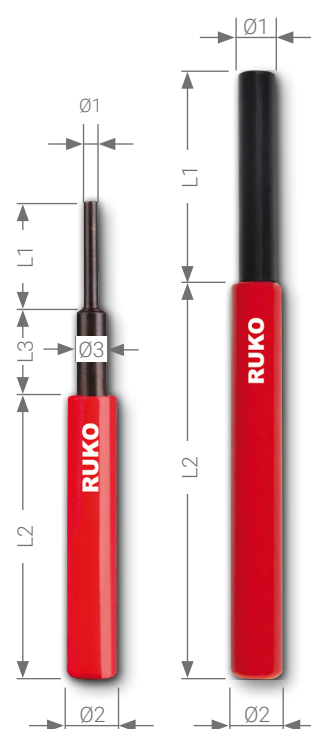
M 3	0,50	2,0	244 503	50
M 4	0,70	2,0	244 504	50
M 5	0,80	2,0	244 505	50
M 6	1,00	2,0	244 506	50
M 8	1,25	2,0	244 508	50
M 10	1,50	2,0	244 510	50
M 12	1,75	2,0	244 512	25
M 14	2,00	2,0	244 514	25
MF 14	1,25	2,0	244 515	25

Pin-Breaker

Nominal thread size	Ø1 mm	Ø2 mm	Ø3 mm	L1 mm	L2 mm	L3 mm	Article no.	
M 3	2,0	9,8	6,0	15,0	75,0	25,0	244 163	1
M 4	2,7	9,8	6,0	20,0	75,0	20,0	244 164	1
M 5	3,5	9,8	-	22,0	75,0	18,0	244 165	1
M 6	4,6	9,8	-	22,0	75,0	18,0	244 166	1
M 8	6,0	9,8	-	40,0	75,0	-	244 168	1
M 10	7,5	9,8	-	40,0	75,0	-	244 170	1
M 12	9,0	12,2	-	40,0	75,0	-	244 172	1
M 14	10,0	14,5	-	40,0	80,0	-	244 174	1

Fitting-Tools

Nominal thread size	Ø1 mm	L1 mm	Article no.	
M 3	2,0	60,0	244 183	1
M 4	2,8	60,0	244 184	1
M 5	3,5	60,0	244 185	1
M 6	4,8	60,0	244 186	1
M 8	6,0	80,0	244 188	1
M 10	7,5	80,0	244 190	1
M 12	9,5	80,0	244 192	1
M 14	11,2	80,0	244 194	1



ProCoil Thread repairing assortment in plastic case

		Article no.
Assortment 1	Assortment M 5 - M12 5 twist drills HSS Ø 5,2 - 6,2 - 8,3 - 10,3 - 12,4 mm + 5 single-cut taps DIN 352 HSS M 5 - M 6 - M 8 - M 10 - M 12 + 5 fitting tools M 5 - M 6 - M 8 - M 10 - M 12 + 5 pin-Breakers Ø 3,5 - 4,6 - 6,0 - 7,5 - 9,0 mm + 60 inserts M 5 - M 10, each 5 x Ø 1,0 / 1,5 / 2,0 : Height = 1,0 x Ø + 6 inserts M 12, each 2 x Ø 1,0 / 1,5 / 2,0 Height = 1,0 x Ø	244 208
Assortment 2 	Assortment M 6 - M14 5 twist drills HSS Ø 6,2 - 8,3 - 10,3 - 12,4 - 14,5 mm + 5 single-cut taps DIN 352 HSS M 6 - M 8 - M 10 - M 12 - MF 14 + 5 fitting tools M 6 - M 8 - M 10 - M 12 - M 14 + 5 pin-Breakers Ø 4,6 - 6,0 - 7,5 - 9,0 - 10,0 mm + 45 inserts M 6 - M 10, each 5 x Ø 1,0 / 1,5 / 2,0: Height = 1,0 x Ø + 12 inserts M 12 - MF 14, each 2 x Ø 1,0 / 1,5 / 2,0: Height = 1,0 x Ø	244 209



ProCoil Thread repairing sets in plastic case

18-piece set of ProCoil thread repairing tools

		Article no.
Set M 3	1 twist drill Ø 3,1 mm + 1 single-cut tap DIN 352 HSS for thread M 3 x 0,5 + 1 fitting tool M 3 + 1 pin-Breaker Ø 2,0 mm + each 5 inserts Height = 1,0 x Ø / Height = 1,5 x Ø / Height = 2,0 x Ø	244 200
Set M 4	1 twist drill Ø 4,1 mm + 1 single-cut tap DIN 352 HSS for thread M 4 x 0,7 + 1 fitting tool M 4 + 1 pin-Breaker Ø 2,7 mm + each 5 inserts Height = 1,0 x Ø / Height = 1,5 x Ø / Height = 2,0 x Ø	244 201
Set M 5	1 twist drill Ø 5,2 mm + 1 single-cut tap DIN 352 HSS for thread M 5 x 0,8 + 1 fitting tool M 5 + 1 pin-Breaker Ø 3,5 mm + each 5 inserts Height = 1,0 x Ø / Height = 1,5 x Ø / Height = 2,0 x Ø	244 202
Set M 6	1 twist drill Ø 6,2 mm + 1 single-cut tap DIN 352 HSS for thread M 6 x 1,0 + 1 fitting tool M 6 + 1 pin-Breaker Ø 4,6 mm + each 5 inserts Height = 1,0 x Ø / Height = 1,5 x Ø / Height = 2,0 x Ø	244 203
Set M 8	1 twist drill Ø 8,3 mm + 1 single-cut tap DIN 352 HSS for thread M 8 x 1,25 + 1 fitting tool M 8 + 1 pin-Breaker Ø 6,0 mm + each 5 inserts Height = 1,0 x Ø / Height = 1,5 x Ø / Height = 2,0 x Ø	244 204
Set M 10	1 twist drill Ø 10,3 mm + 1 single-cut tap DIN 352 HSS for thread M 10 x 1,5 + 1 fitting tool M 10 + 1 pin-Breaker Ø 7,5 mm + each 5 inserts Height = 1,0 x Ø / Height = 1,5 x Ø / Height = 2,0 x Ø	244 205
Set M 12	1 twist drill Ø 12,4 mm + 1 single-cut tap DIN 352 HSS for thread M 12 x 1,75 + 1 fitting tool M 12 + 1 pin-Breaker Ø 9,0 mm + each 5 inserts Height = 1,0 x Ø / Height = 1,5 x Ø / Height = 2,0 x Ø	244 206
Set M 14	1 twist drill Ø 14,5 mm + 1 single-cut tap DIN 352 HSS for thread M 14 x 2,0 + 1 fitting tool M 14 + 1 pin-Breaker Ø 10,0 mm + each 5 inserts Height = 1,0 x Ø / Height = 1,5 x Ø / Height = 2,0 x Ø	244 207





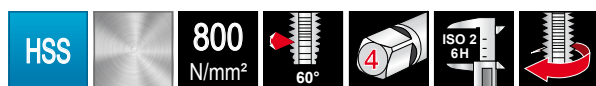
Twist drills DIN 338 type N HSS ground

High performance ground twist drill consisting of heavy-duty high speed steel. The fully ground twist drill has a more precise concentricity. Application areas: for steel, alloyed and unalloyed cast iron (up to a strength of 900 N/mm²), grey, malleable, ductile and die-cast iron, sintered iron, nickel silver, graphite, short chipping aluminium alloys, brass and bronze.

Packing unit: individual plastic pack

Steel (N/mm ²) < 900	■	Brass	■
Steel (N/mm ²) < 1100		Bronze	□
Steel (N/mm ²) < 1300		Plastics	■
Stainless steel		Cast iron	□
Aluminium	■	Titanium alloyed	

For thread	Thread core hole Ø1 mm	L1 mm	L2 mm	HSS		
M 3	3,10	65,0	36,0	214 031		10
M 4	4,10	75,0	43,0	214 041		10
M 5	5,20	86,0	52,0	214 052		10
M 6	6,20	101,0	63,0	214 062		10
M 8	8,30	117,0	75,0	214 083		10
M 10	10,30	133,0	87,0	214 103		10
M 12	12,40	151,0	101,0	214 124		5
M 14 + MF 14	14,50	169,0	114,0	214 145		5



Single-cut taps HSS ground

The single-cut tap HSS for through threads in unalloyed and low-alloyed steels up to a strength of 800 N/mm², malleable cast iron and non-ferrous metals. The thread can be cut in one operation by hand or machine.

Packing unit: individual plastic pack

Steel (N/mm ²) < 900	■	Brass	■
Steel (N/mm ²) < 1100		Bronze	□
Steel (N/mm ²) < 1300		Plastics	■
Stainless steel		Cast iron	□
Aluminium	■	Titanium alloyed	

For thread	Thread core hole Ø1 mm	M mm	L1 mm	L2 mm	HSS		
M 3	3,10	3,6	53,0	13,0	244 603		1
M 4	4,10	4,9	58,0	16,0	244 604		1
M 5	5,20	6,0	66,0	19,0	244 605		1
M 6	6,20	7,3	72,0	22,0	244 606		1
M 8	8,30	9,6	80,0	24,0	244 608		1
M 10	10,30	11,9	89,0	29,0	244 610		1
M 12	12,40	14,3	95,0	30,0	244 612		1
M 14	14,50	16,6	102,0	32,0	244 614		1
MF 14	14,50	15,6	102,0	32,0	244 615		1

