

# Twist drills, ground

## Twist drills DIN 338/HSS type N

point angle 118°, spiral angle 25 - 35°, Ø-tolerance h 8, of HSS, for drilling of steel, steel-casting alloyed and unalloyed up to approx. 900 N/mm<sup>2</sup> strength grey- and tempered casting, sinter iron, newsilver, graphit, alu-alloy, bronze and brass

### Packaging unit in blister pack:

0,5 - 3,0 mm; 1 SPU = 3 pieces  
3,2 - 6,0 mm; 1 SPU = 2 pieces  
6,5 - 13,0 mm; 1 SPU = 1 piece

xxxxxx/CO = Cobalt

### Packaging unit in blister pack:

1,0 - 3,0 mm; 1 SPU = 2 pieces  
3,2 - 13,0 mm; 1 SPU = 1 piece



Art. no.	Ø	core-hole	SL	TL	VE
230010	0,5		6	22	1
230020	1		12	34	1
230020/CO					1
230030	1,5		18	40	1
230030/CO					1
230032	1,6	M2	20	43	1
230032/CO					1
230040	2		24	49	1
230040/CO					1
230050	2,5	M3	30	57	1
230050/CO					1
230060	3		33	61	1
230060/CO					1
230064	3,2		36	65	1
230064/CO					1
230066	3,3	M4	36	65	1
230066/CO					1
230070	3,5		39	70	1
230070/CO					1
230080	4		43	75	1
230080/CO					1
230084	4,2	M5	43	75	1
230084/CO					1
230090	4,5		47	80	1
230090/CO					1
230100	5	M6	52	86	1
230100/CO					1
230110	5,5		57	93	1
230110/CO					1
230120	6	M7	57	93	1
230120/CO					1
230130	6,5		63	101	1
230130/CO					1
230136	6,8	M8	69	101	1
230136/CO					1
230140	7		69	109	1
230140/CO					1
230160	8		75	117	1
230160/CO					1
230170	8,5	M10	75	117	1
230170/CO					1
230180	9		81	125	1
230180/CO					1
230190	9,5		81	125	1
230190/CO					1
230200	10		87	133	1
230200/CO					1
230204	10,2	M12	87	133	1
230204/CO					1
230210	10,5		87	133	1
230210/CO					1

Art. no.	Ø	core-hole	SL	TL	VE
230220	11		87	133	1
230220/CO					1
230230	11,5		94	142	1
230230/CO					1
230240	12	M14	101	151	1
230240/CO					1
230244	12,5		101	151	1
230244/CO					1
230250	13		101	151	1
230250/CO					1

## Twist drills DIN 338/HSS type N

made from high power steel, in plastic pocket

### Technical information:

**Standard version:** Industrial quality, dressed to size from solid material, high true tuning precision, long tool life, cutter separate packet in plastic bags or as a set in a box.

/PB: as beside

/R: workshop quality, wheeled milled

/TIN: as beside, titanium nitride coating



Art. no.	Ø	set	kg	PU
230312	1 - 10	19-pieces	0,312	1
230312/R	1 - 10		0,284	1
230312/TIN	1 - 10		0,345	1
230314	1 - 13	25-pieces	1,270	1
230314/R	1 - 13		1,213	1
230314/TIN	1 - 13		1,290	1

## Bulk storage chest for twist drills

HSS, DIN 338, 170 pieces, TYP N, short, ground, bright, with split point, TIN coated.

**Contents:** 1.0 - 10.0 mm (upstairs in 0.5 mm steps)  
up to 8,0 mm 10 pieces/size  
> 8,5 mm 5 pieces/size



Art. no.	set	kg	PU
230301/TIN	170-pieces	4,550	1