

Parallel shank twist drills

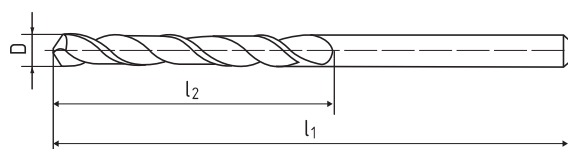
jobber series



CZ Vrtáky s válcovou stopkou | standard

DE Kurze Spiralbohrer mit Zylinderschaft

RU Короткие спиральные свёрла с цилиндр. хвостовиком



VN10010

VN10015



VN10010



VN10010

new



HSS

TiN



VN10015



HSS
Co5

D	I1	I2	VN10010	VN10010	VN10015	D	I1	I2	VN10010	VN10010	VN10015
0,3	19	4	.0030			1,5	40	18	.0150	.0150 TIN	.0150
0,32	19	4	.0032			1,55	43	20	.0155		
0,35	19	4	.0035			1,6	43	20	.0160	.0160 TIN	.0160
0,38	19	4	.0038			1,65	43	20	.0165		
0,4	20	5	.0040			1,7	43	20	.0170	.0170 TIN	.0170
0,42	20	5	.0042			1,75	46	22	.0175		
0,45	20	5	.0045			1,8	46	22	.0180	.0180 TIN	.0180
0,48	20	5	.0048			1,85	46	22	.0185		
0,5	22	6	.0050			1,9	46	22	.0190	.0190 TIN	.0190
0,52	22	6	.0052			1,95	49	24	.0195		
0,55	24	7	.0055			2	49	24	.0200	.0200 TIN	.0200
0,58	24	7	.0058			2,05	49	24	.0205		
0,6	24	7	.0060			2,1	49	24	.0210	.0210 TIN	.0210
0,62	26	8	.0062			2,15	53	27	.0215		
0,65	26	8	.0065			2,2	53	27	.0220	.0220 TIN	.0220
0,68	28	9	.0068			2,25	53	27	.0225		
0,7	28	9	.0070			2,3	53	27	.0230	.0230 TIN	.0230
0,72	28	9	.0072			2,35	53	27	.0235		
0,75	28	9	.0075			2,4	57	30	.0240	.0240 TIN	.0240
0,78	30	10	.0078			2,45	57	30	.0245		
0,8	30	10	.0080			2,5	57	30	.0250	.0250 TIN	.0250
0,82	30	10	.0082			2,55	57	30	.0255		
0,85	30	10	.0085			2,6	57	30	.0260	.0260 TIN	.0260
0,88	32	11	.0088			2,65	57	30	.0265		
0,9	32	11	.0090			2,7	61	33	.0270	.0270 TIN	.0270
0,92	32	11	.0092			2,75	61	33	.0275		
0,95	32	11	.0095			2,8	61	33	.0280	.0280 TIN	.0280
0,98	34	12	.0098			2,85	61	33	.0285		
1	34	12	.0100	.0100 TIN	.0100	2,9	61	33	.0290	.0290 TIN	.0290
1,05	34	12	.0105			2,95	61	33	.0295		
1,1	36	14	.0110	.0110 TIN	.0110	3	61	33	.0300	.0300 TIN	.0300
1,15	36	14	.0115			3,1	65	36	.0310		
1,2	38	16	.0120	.0120 TIN	.0120	3,2	65	36	.0320	.0320 TIN	.0320
1,25	38	16	.0125			3,3	65	36	.0330		
1,3	38	16	.0130	.0130 TIN	.0130	3,4	70	39	.0340	.0340 TIN	.0340
1,35	40	18	.0135			3,5	70	39	.0350		
1,4	40	18	.0140	.0140 TIN	.0140	3,6	70	39	.0360	.0360 TIN	.0360
1,45	40	18	.0145			3,7	70	39	.0370		

HSS/SC

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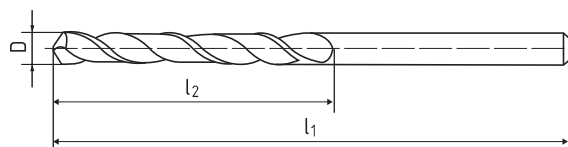
jobber series



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VN10015



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HSS

TiN



VN10015



HSS
Co5

D	I1	I2	VN10010	VN10010	VN10015	D	I1	I2	VN10010	VN10010	VN10015
3,8	75	43	.0380	.0380 TiN	.0380	7,6	117	75	.0760	.0760 TiN	.0760
3,9	75	43	.0390	.0390 TiN	.0390	7,7	117	75	.0770	.0770 TiN	.0770
4	75	43	.0400	.0400 TiN	.0400	7,8	117	75	.0780	.0780 TiN	.0780
4,1	75	43	.0410	.0410 TiN	.0410	7,9	117	75	.0790	.0790 TiN	.0790
4,2	75	43	.0420	.0420 TiN	.0420	8	117	75	.0800	.0800 TiN	.0800
4,3	80	47	.0430	.0430 TiN	.0430	8,1	117	75	.0810	.0810 TiN	.0810
4,4	80	47	.0440	.0440 TiN	.0440	8,2	117	75	.0820	.0820 TiN	.0820
4,5	80	47	.0450	.0450 TiN	.0450	8,3	117	75	.0830	.0830 TiN	.0830
4,6	80	47	.0460	.0460 TiN	.0460	8,4	117	75	.0840	.0840 TiN	.0840
4,7	80	47	.0470	.0470 TiN	.0470	8,5	117	75	.0850	.0850 TiN	.0850
4,8	86	52	.0480	.0480 TiN	.0480	8,6	125	81	.0860	.0860 TiN	.0860
4,9	86	52	.0490	.0490 TiN	.0490	8,7	125	81	.0870	.0870 TiN	.0870
5	86	52	.0500	.0500 TiN	.0500	8,8	125	81	.0880	.0880 TiN	.0880
5,1	86	52	.0510	.0510 TiN	.0510	8,9	125	81	.0890	.0890 TiN	.0890
5,2	86	52	.0520	.0520 TiN	.0520	9	125	81	.0900	.0900 TiN	.0900
5,3	86	52	.0530	.0530 TiN	.0530	9,1	125	81	.0910	.0910 TiN	.0910
5,4	93	57	.0540	.0540 TiN	.0540	9,2	125	81	.0920	.0920 TiN	.0920
5,5	93	57	.0550	.0550 TiN	.0550	9,3	125	81	.0930	.0930 TiN	.0930
5,6	93	57	.0560	.0560 TiN	.0560	9,4	125	81	.0940	.0940 TiN	.0940
5,7	93	57	.0570	.0570 TiN	.0570	9,5	125	81	.0950	.0950 TiN	.0950
5,8	93	57	.0580	.0580 TiN	.0580	9,6	133	87	.0960	.0960 TiN	.0960
5,9	93	57	.0590	.0590 TiN	.0590	9,7	133	87	.0970	.0970 TiN	.0970
6	93	57	.0600	.0600 TiN	.0600	9,8	133	87	.0980	.0980 TiN	.0980
6,1	101	63	.0610	.0610 TiN	.0610	9,9	133	87	.0990	.0990 TiN	.0990
6,2	101	63	.0620	.0620 TiN	.0620	10	133	87	.1000	.1000 TiN	.1000
6,3	101	63	.0630	.0630 TiN	.0630	10,1	133	87	.1010	.1010 TiN	
6,4	101	63	.0640	.0640 TiN	.0640	10,2	133	87	.1020	.1020 TiN	.1020
6,5	101	63	.0650	.0650 TiN	.0650	10,3	133	87	.1030	.1030 TiN	
6,6	101	63	.0660	.0660 TiN	.0660	10,4	133	87	.1040	.1040 TiN	
6,7	101	63	.0670	.0670 TiN	.0670	10,5	133	87	.1050	.1050 TiN	.1050
6,8	109	69	.0680	.0680 TiN	.0680	10,6	133	87	.1060	.1060 TiN	
6,9	109	69	.0690	.0690 TiN	.0690	10,7	142	94	.1070	.1070 TiN	
7	109	69	.0700	.0700 TiN	.0700	10,8	142	94	.1080	.1080 TiN	.1080
7,1	109	69	.0710	.0710 TiN	.0710	10,9	142	94	.1090	.1090 TiN	
7,2	109	69	.0720	.0720 TiN	.0720	11	142	94	.1100	.1100 TiN	.1100
7,3	109	69	.0730	.0730 TiN	.0730	11,1	142	94	.1110	.1110 TiN	
7,4	109	69	.0740	.0740 TiN	.0740	11,2	142	94	.1120	.1120 TiN	.1120
7,5	109	69	.0750	.0750 TiN	.0750	11,3	142	94	.1130	.1130 TiN	



ZPS-FN.CZ

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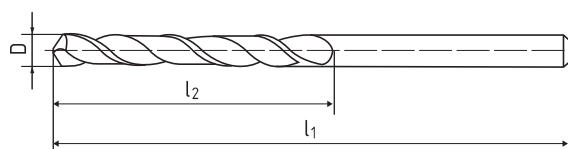
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HSS

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D	I1	I2	VN10010	VN10010	VN10015	D	I1	I2	VN10010	VN10010	VN10015
11,4	142	94	.1140	.1140 TiN		14,3	169	114	.1430		
11,5	142	94	.1150	.1150 TiN	.1150	14,4	169	114	.1440		
11,6	142	94	.1160	.1160 TiN		14,5	169	114	.1450	.1450 TiN	.1450
11,7	142	94	.1170	.1170 TiN		14,6	169	114	.1460		
11,8	142	94	.1180	.1180 TiN	.1180	14,7	169	114	.1470		
11,9	151	101	.1190	.1190 TiN		14,75	169	114	.1475	.1475 TiN	
12	151	101	.1200	.1200 TiN	.1200	14,8	169	114	.1480		
12,1	151	101	.1210	.1210 TiN		14,9	169	114	.1490		
12,2	151	101	.1220	.1220 TiN	.1220	15	169	114	.1500	.1500 TiN	.1500
12,3	151	101	.1230	.1230 TiN		15,25	178	120	.1525	.1525 TiN	
12,4	151	101	.1240	.1240 TiN		15,5	178	120	.1550	.1550 TiN	.1550
12,5	151	101	.1250	.1250 TiN	.1250	15,75	178	120	.1575	.1575 TiN	
12,6	151	101	.1260	.1260 TiN		16	178	120	.1600	.1600 TiN	.1600
12,7	151	101	.1270	.1270 TiN		16,25	184	125	.1625		
12,8	151	101	.1280	.1280 TiN	.1280	16,5	184	125	.1650		.1650
12,9	151	101	.1290	.1290 TiN		16,75	184	125	.1675		
13	151	101	.1300	.1300 TiN	.1300	17	184	125	.1700		.1700
13,1	151	101	.1310	.1310 TiN		17,25	191	130	.1725		
13,2	151	101	.1320	.1320 TiN	.1320	17,5	191	130	.1750		.1750
13,3	160	108	.1330	.1330 TiN		17,75	191	130	.1775		
13,4	160	108	.1340	.1340 TiN		18	191	130	.1800		.1800
13,5	160	108	.1350	.1350 TiN	.1350	18,25	198	135	.1825		
13,6	160	108	.1360	.1360 TiN		18,5	198	135	.1850		.1850
13,7	160	108	.1370	.1370 TiN		18,75	198	135	.1875		
13,8	160	108	.1380	.1380 TiN	.1380	19	198	135	.1900		.1900
13,9	160	108	.1390	.1390 TiN		19,25	205	140	.1925		
14	160	108	.1400	.1400 TiN	.1400	19,5	205	140	.1950		.1950
14,1	169	114	.1410			19,75	205	140	.1975		
14,2	169	114	.1420			20	205	140	.2000		.2000
14,25	169	114	.1425	.1425 TiN							

VN10010 **P.1** **P.2** **K.1** **K.2** **N.1** **N.2** **N.3** **N.4**

VN10015 **P.1** **P.2** **P.4** **K.1** **K.2** **M.1** **M.2** **M.3** **S.1** **N.4**

HSS/SC