

Vrtáky s válcovou stopkou – krátké

Parallel shank twist drills – stub series

Extra kurze spiralbohrer mit zylinderschaft

Укороченные спиральные сверла с цилиндр. хвостовиком

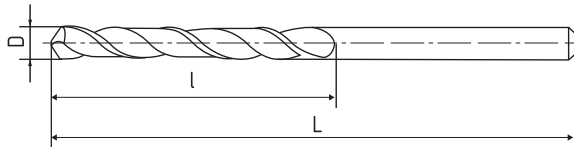


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VN30010 • VN30045

DIN
1897

Použití / Usage / Applikation / Употребление



1 2 3 4 5 6 7 8 9 10 11 12 13

VN30010

1 2 3 4 5 6 7 8 9 10 11 12 13

VN30045



VN30010



VN30045

ØD	L	l	CODE	CODE
0,7	23	4,5	VN30010.0070	
0,75	23	4,5	VN30010.0075	
0,8	24	5	VN30010.0080	
0,9	25	5,5	VN30010.0090	
1	26	6	VN30010.0100	
1,1	28	7	VN30010.0110	
1,2	30	8	VN30010.0120	
1,25	30	8	VN30010.0125	
1,3	30	8	VN30010.0130	
1,4	32	9	VN30010.0140	
1,5	32	9	VN30010.0150	
1,6	34	10	VN30010.0160	
1,7	34	10	VN30010.0170	
1,75	36	11	VN30010.0175	
1,8	36	11	VN30010.0180	
1,9	36	11	VN30010.0190	
2	38	12	VN30010.0200	VN30045.0200
2,1	38	12	VN30010.0210	VN30045.0210
2,2	40	13	VN30010.0220	VN30045.0220
2,25	40	13	VN30010.0225	VN30045.0225
2,3	40	13	VN30010.0230	VN30045.0230
2,4	43	14	VN30010.0240	VN30045.0240
2,5	43	14	VN30010.0250	VN30045.0250
2,6	43	14	VN30010.0260	VN30045.0260
2,7	46	16	VN30010.0270	VN30045.0270
2,75	46	16	VN30010.0275	VN30045.0275
2,8	46	16	VN30010.0280	VN30045.0280
2,9	46	16	VN30010.0290	VN30045.0290
3	46	16	VN30010.0300	VN30045.0300
3,1	49	18	VN30010.0310	VN30045.0310
3,2	49	18	VN30010.0320	VN30045.0320
3,25	49	18	VN30010.0325	VN30045.0325

ØD	L	l	CODE	CODE
3,3	49	18	VN30010.0330	VN30045.0330
3,4	52	20	VN30010.0340	VN30045.0340
3,5	52	20	VN30010.0350	VN30045.0350
3,6	52	20	VN30010.0360	VN30045.0360
3,7	52	20	VN30010.0370	VN30045.0370
3,75	52	20	VN30010.0375	VN30045.0375
3,8	55	22	VN30010.0380	VN30045.0380
3,9	55	22	VN30010.0390	VN30045.0390
4	55	22	VN30010.0400	VN30045.0400
4,1	55	22	VN30010.0410	VN30045.0410
4,2	55	22	VN30010.0420	VN30045.0420
4,25	55	22	VN30010.0425	VN30045.0425
4,3	58	24	VN30010.0430	VN30045.0430
4,4	58	24	VN30010.0440	VN30045.0440
4,5	58	24	VN30010.0450	VN30045.0450
4,6	58	24	VN30010.0460	VN30045.0460
4,7	58	24	VN30010.0470	VN30045.0470
4,75	58	24	VN30010.0475	VN30045.0475
4,8	62	26	VN30010.0480	VN30045.0480
4,9	62	26	VN30010.0490	VN30045.0490
5	62	26	VN30010.0500	VN30045.0500
5,1	62	26	VN30010.0510	VN30045.0510
5,2	62	26	VN30010.0520	VN30045.0520
5,25	62	26	VN30010.0525	VN30045.0525
5,3	62	26	VN30010.0530	VN30045.0530
5,4	66	28	VN30010.0540	VN30045.0540
5,5	66	28	VN30010.0550	VN30045.0550
5,6	66	28	VN30010.0560	VN30045.0560
5,7	66	28	VN30010.0570	VN30045.0570
5,75	66	28	VN30010.0575	VN30045.0575
5,8	66	28	VN30010.0580	VN30045.0580
5,9	66	28	VN30010.0590	VN30045.0590

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ØD	L	I	CODE	CODE
6	66	28	VN30010.0600	VN30045.0600
6,1	70	31	VN30010.0610	VN30045.0610
6,2	70	31	VN30010.0620	VN30045.0620
6,3	70	31	VN30010.0630	VN30045.0630
6,4	70	31	VN30010.0640	VN30045.0640
6,5	70	31	VN30010.0650	VN30045.0650
6,6	70	31	VN30010.0660	VN30045.0660
6,7	70	31	VN30010.0670	VN30045.0670
6,8	74	34	VN30010.0680	VN30045.0680
6,9	74	34	VN30010.0690	VN30045.0690
7	74	34	VN30010.0700	VN30045.0700
7,1	74	34	VN30010.0710	VN30045.0710
7,2	74	34	VN30010.0720	VN30045.0720
7,3	74	34	VN30010.0730	VN30045.0730
7,4	74	34	VN30010.0740	VN30045.0740
7,5	74	34	VN30010.0750	VN30045.0750
7,6	79	37	VN30010.0760	VN30045.0760
7,7	79	37	VN30010.0770	VN30045.0770
7,8	79	37	VN30010.0780	VN30045.0780
7,9	79	37	VN30010.0790	VN30045.0790
8	79	37	VN30010.0800	VN30045.0800
8,1	79	37	VN30010.0810	VN30045.0810
8,2	79	37	VN30010.0820	VN30045.0820
8,3	79	37	VN30010.0830	VN30045.0830
8,4	79	37	VN30010.0840	VN30045.0840
8,5	79	37	VN30010.0850	VN30045.0850
8,6	84	40	VN30010.0860	VN30045.0860
8,7	84	40	VN30010.0870	VN30045.0870
8,8	84	40	VN30010.0880	VN30045.0880
8,9	84	40	VN30010.0890	VN30045.0890
9	84	40	VN30010.0900	VN30045.0900
9,1	84	40	VN30010.0910	VN30045.0910
9,2	84	40	VN30010.0920	VN30045.0920
9,3	84	40	VN30010.0930	VN30045.0930
9,4	84	40	VN30010.0940	VN30045.0940
9,5	84	40	VN30010.0950	VN30045.0950
9,6	89	43	VN30010.0960	VN30045.0960
9,7	89	43	VN30010.0970	VN30045.0970
9,8	89	43	VN30010.0980	VN30045.0980
9,9	89	43	VN30010.0990	VN30045.0990
10	89	43	VN30010.1000	VN30045.1000
10,2	89	43	VN30010.1020	VN30045.1020
10,5	89	43	VN30010.1050	VN30045.1050
10,8	95	47	VN30010.1080	VN30045.1080
11	95	47	VN30010.1100	VN30045.1100
11,2	95	47	VN30010.1120	VN30045.1120
11,5	95	47	VN30010.1150	VN30045.1150
11,8	95	47	VN30010.1180	VN30045.1180

ØD	L	I	CODE	CODE
12	102	51	VN30010.1200	VN30045.1200
12,2	102	51	VN30010.1220	VN30045.1220
12,5	102	51	VN30010.1250	VN30045.1250
12,8	102	51	VN30010.1280	VN30045.1280
13	102	51	VN30010.1300	VN30045.1300
13,2	102	51	VN30010.1320	VN30045.1320
13,5	107	54	VN30010.1350	VN30045.1350
13,8	107	54	VN30010.1380	VN30045.1380
14	107	54	VN30010.1400	VN30045.1400



Vrtáky s válcovou stopkou – standard

Parallel shank twist drills - jobber series

Kurze spiralbohrer mit zylinderschaft

Короткие спиральные свёрла с цилиндр. хвостовиком

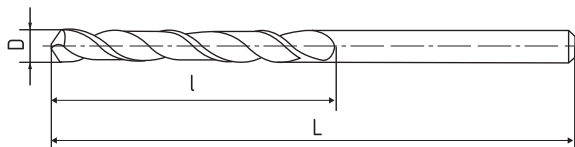


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1 2 3 4 5 6 7 8 9 10 11 12 13

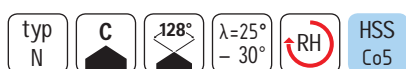
VN10010

1 2 3 4 5 6 7 8 9 10 11 12 13

VN10015



VN10010



VN10015

ØD	L	l	CODE	CODE
0,3	19	4	VN10010.0030	
0,32	19	4	VN10010.0032	
0,35	19	4	VN10010.0035	
0,38	19	4	VN10010.0038	
0,4	20	5	VN10010.0040	
0,42	20	5	VN10010.0042	
0,45	20	5	VN10010.0045	
0,48	20	5	VN10010.0048	
0,5	22	6	VN10010.0050	
0,52	22	6	VN10010.0052	
0,55	24	7	VN10010.0055	
0,58	24	7	VN10010.0058	
0,6	24	7	VN10010.0060	
0,62	26	8	VN10010.0062	
0,65	26	8	VN10010.0065	
0,68	28	9	VN10010.0068	
0,7	28	9	VN10010.0070	
0,72	28	9	VN10010.0072	
0,75	28	9	VN10010.0075	
0,78	30	10	VN10010.0078	
0,8	30	10	VN10010.0080	
0,82	30	10	VN10010.0082	
0,85	30	10	VN10010.0085	
0,88	32	11	VN10010.0088	
0,9	32	11	VN10010.0090	
0,92	32	11	VN10010.0092	
0,95	32	11	VN10010.0095	
0,98	34	12	VN10010.0098	
1	34	12	VN10010.0100	VN10015.0100
1,05	34	12	VN10010.0105	
1,1	36	14	VN10010.0110	VN10015.0110
1,15	36	14	VN10010.0115	

ØD	L	l	CODE	CODE
1,2	38	16	VN10010.0120	VN10015.0120
1,25	38	16	VN10010.0125	
1,3	38	16	VN10010.0130	VN10015.0130
1,35	40	18	VN10010.0135	
1,4	40	18	VN10010.0140	VN10015.0140
1,45	40	18	VN10010.0145	
1,5	40	18	VN10010.0150	VN10015.0150
1,55	43	20	VN10010.0155	
1,6	43	20	VN10010.0160	VN10015.0160
1,65	43	20	VN10010.0165	
1,7	43	20	VN10010.0170	VN10015.0170
1,75	46	22	VN10010.0175	
1,8	46	22	VN10010.0180	VN10015.0180
1,85	46	22	VN10010.0185	
1,9	46	22	VN10010.0190	VN10015.0190
1,95	49	24	VN10010.0195	
2	49	24	VN10010.0200	VN10015.0200
2,05	49	24	VN10010.0205	
2,1	49	24	VN10010.0210	VN10015.0210
2,15	53	27	VN10010.0215	
2,2	53	27	VN10010.0220	VN10015.0220
2,25	53	27	VN10010.0225	
2,3	53	27	VN10010.0230	VN10015.0230
2,35	53	27	VN10010.0235	
2,4	57	30	VN10010.0240	VN10015.0240
2,45	57	30	VN10010.0245	
2,5	57	30	VN10010.0250	VN10015.0250
2,55	57	30	VN10010.0255	
2,6	57	30	VN10010.0260	VN10015.0260
2,65	57	30	VN10010.0265	
2,7	61	33	VN10010.0270	VN10015.0270
2,75	61	33	VN10010.0275	

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Parallel shank twist drills - jobber series

Kurze spiralbohrer mit zylinderschaft

Короткие спиральные свёрла с цилиндр. хвостовиком



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ØD	L	I	CODE	CODE
2,8	61	33	VN10010.0280	VN10015.0280
2,85	61	33	VN10010.0285	
2,9	61	33	VN10010.0290	VN10015.0290
2,95	61	33	VN10010.0295	
3	61	33	VN10010.0300	VN10015.0300
3,1	65	36	VN10010.0310	VN10015.0310
3,2	65	36	VN10010.0320	VN10015.0320
3,3	65	36	VN10010.0330	VN10015.0330
3,4	70	39	VN10010.0340	VN10015.0340
3,5	70	39	VN10010.0350	VN10015.0350
3,6	70	39	VN10010.0360	VN10015.0360
3,7	70	39	VN10010.0370	VN10015.0370
3,8	75	43	VN10010.0380	VN10015.0380
3,9	75	43	VN10010.0390	VN10015.0390
4	75	43	VN10010.0400	VN10015.0400
4,1	75	43	VN10010.0410	VN10015.0410
4,2	75	43	VN10010.0420	VN10015.0420
4,3	80	47	VN10010.0430	VN10015.0430
4,4	80	47	VN10010.0440	VN10015.0440
4,5	80	47	VN10010.0450	VN10015.0450
4,6	80	47	VN10010.0460	VN10015.0460
4,7	80	47	VN10010.0470	VN10015.0470
4,8	86	52	VN10010.0480	VN10015.0480
4,9	86	52	VN10010.0490	VN10015.0490
5	86	52	VN10010.0500	VN10015.0500
5,1	86	52	VN10010.0510	VN10015.0510
5,2	86	52	VN10010.0520	VN10015.0520
5,3	86	52	VN10010.0530	VN10015.0530
5,4	93	57	VN10010.0540	VN10015.0540
5,5	93	57	VN10010.0550	VN10015.0550
5,6	93	57	VN10010.0560	VN10015.0560
5,7	93	57	VN10010.0570	VN10015.0570
5,8	93	57	VN10010.0580	VN10015.0580
5,9	93	57	VN10010.0590	VN10015.0590
6	93	57	VN10010.0600	VN10015.0600
6,1	101	63	VN10010.0610	VN10015.0610
6,2	101	63	VN10010.0620	VN10015.0620
6,3	101	63	VN10010.0630	VN10015.0630
6,4	101	63	VN10010.0640	VN10015.0640
6,5	101	63	VN10010.0650	VN10015.0650
6,6	101	63	VN10010.0660	VN10015.0660
6,7	101	63	VN10010.0670	VN10015.0670
6,8	109	69	VN10010.0680	VN10015.0680
6,9	109	69	VN10010.0690	VN10015.0690
7	109	69	VN10010.0700	VN10015.0700
7,1	109	69	VN10010.0710	VN10015.0710
7,2	109	69	VN10010.0720	VN10015.0720
7,3	109	69	VN10010.0730	VN10015.0730

ØD	L	I	CODE	CODE
7,4	109	69	VN10010.0740	VN10015.0740
7,5	109	69	VN10010.0750	VN10015.0750
7,6	117	75	VN10010.0760	VN10015.0760
7,7	117	75	VN10010.0770	VN10015.0770
7,8	117	75	VN10010.0780	VN10015.0780
7,9	117	75	VN10010.0790	VN10015.0790
8	117	75	VN10010.0800	VN10015.0800
8,1	117	75	VN10010.0810	VN10015.0810
8,2	117	75	VN10010.0820	VN10015.0820
8,3	117	75	VN10010.0830	VN10015.0830
8,4	117	75	VN10010.0840	VN10015.0840
8,5	117	75	VN10010.0850	VN10015.0850
8,6	125	81	VN10010.0860	VN10015.0860
8,7	125	81	VN10010.0870	VN10015.0870
8,8	125	81	VN10010.0880	VN10015.0880
8,9	125	81	VN10010.0890	VN10015.0890
9	125	81	VN10010.0900	VN10015.0900
9,1	125	81	VN10010.0910	VN10015.0910
9,2	125	81	VN10010.0920	VN10015.0920
9,3	125	81	VN10010.0930	VN10015.0930
9,4	125	81	VN10010.0940	VN10015.0940
9,5	125	81	VN10010.0950	VN10015.0950
9,6	133	87	VN10010.0960	VN10015.0960
9,7	133	87	VN10010.0970	VN10015.0970
9,8	133	87	VN10010.0980	VN10015.0980
9,9	133	87	VN10010.0990	VN10015.0990
10	133	87	VN10010.1000	VN10015.1000
10,1	133	87	VN10010.1010	
10,2	133	87	VN10010.1020	VN10015.1020
10,3	133	87	VN10010.1030	
10,4	133	87	VN10010.1040	
10,5	133	87	VN10010.1050	VN10015.1050
10,6	133	87	VN10010.1060	
10,7	142	94	VN10010.1070	
10,8	142	94	VN10010.1080	VN10015.1080
10,9	142	94	VN10010.1090	
11	142	94	VN10010.1100	VN10015.1100
11,1	142	94	VN10010.1110	
11,2	142	94	VN10010.1120	VN10015.1120
11,3	142	94	VN10010.1130	
11,4	142	94	VN10010.1140	
11,5	142	94	VN10010.1150	VN10015.1150
11,6	142	94	VN10010.1160	
11,7	142	94	VN10010.1170	
11,8	142	94	VN10010.1180	VN10015.1180
11,9	151	101	VN10010.1190	
12	151	101	VN10010.1200	VN10015.1200
12,1	151	101	VN10010.1210	

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Короткие спиральные свёрла с цилиндр. хвостовиком



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ØD	L	I	CODE	CODE
12,2	151	101	VN10010.1220	VN10015.1220
12,3	151	101	VN10010.1230	
12,4	151	101	VN10010.1240	
12,5	151	101	VN10010.1250	VN10015.1250
12,6	151	101	VN10010.1260	
12,7	151	101	VN10010.1270	
12,8	151	101	VN10010.1280	VN10015.1280
12,9	151	101	VN10010.1290	
13	151	101	VN10010.1300	VN10015.1300
13,1	151	101	VN10010.1310	
13,2	151	101	VN10010.1320	VN10015.1320
13,3	160	108	VN10010.1330	
13,4	160	108	VN10010.1340	
13,5	160	108	VN10010.1350	VN10015.1350
13,6	160	108	VN10010.1360	
13,7	160	108	VN10010.1370	
13,8	160	108	VN10010.1380	VN10015.1380
13,9	160	108	VN10010.1390	
14	160	108	VN10010.1400	VN10015.1400
14,1	169	114	VN10010.1410	
14,2	169	114	VN10010.1420	
14,25	169	114	VN10010.1425	
14,3	169	114	VN10010.1430	
14,4	169	114	VN10010.1440	
14,5	169	114	VN10010.1450	VN10015.1450
14,6	169	114	VN10010.1460	
14,7	169	114	VN10010.1470	
14,75	169	114	VN10010.1475	
14,8	169	114	VN10010.1480	
14,9	169	114	VN10010.1490	
15	169	114	VN10010.1500	VN10015.1500
15,25	178	120	VN10010.1525	
15,5	178	120	VN10010.1550	VN10015.1550
15,75	178	120	VN10010.1575	
16	178	120	VN10010.1600	VN10015.1600
16,25	184	125	VN10010.1625	
16,5	184	125	VN10010.1650	VN10015.1650
16,75	184	125	VN10010.1675	
17	184	125	VN10010.1700	VN10015.1700
17,25	191	130	VN10010.1725	
17,5	191	130	VN10010.1750	VN10015.1750
17,75	191	130	VN10010.1775	
18	191	130	VN10010.1800	VN10015.1800
18,25	198	135	VN10010.1825	
18,5	198	135	VN10010.1850	VN10015.1850
18,75	198	135	VN10010.1875	
19	198	135	VN10010.1900	VN10015.1900
19,25	205	140	VN10010.1925	

ØD	L	I	CODE	CODE
19,5	205	140	VN10010.1950	VN10015.1950
19,75	205	140	VN10010.1975	
20	205	140	VN10010.2000	VN10015.2000

V

Vrtáky s válcovou stopkou – standard

Parallel shank twist drills - jobber series

Kurze spiralbohrer mit zylinderschaft

Короткие спиральные свёрла с цилиндр. хвостовиком

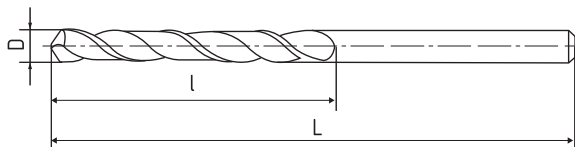


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VN10085 • VN10018

DIN
338

Použití / Usage / Applikation / Употребление



1 2 3 4 5 6 7 8 9 10 11 12 13

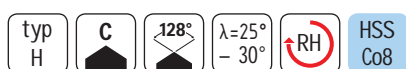
VN10085

1 2 3 4 5 6 7 8 9 10 11 12 13

VN10018



VN10085



VN10018

Ø D	L	l	CODE	CODE
1	34	12	VN10085.0100	
1,1	36	14	VN10085.0110	
1,2	38	16	VN10085.0120	
1,3	38	16	VN10085.0130	
1,4	40	18	VN10085.0140	
1,5	40	18	VN10085.0150	
1,6	43	20	VN10085.0160	
1,7	43	20	VN10085.0170	
1,8	46	22	VN10085.0180	
1,9	46	22	VN10085.0190	
2	49	24	VN10085.0200	
2,1	49	24	VN10085.0210	
2,2	53	27	VN10085.0220	
2,3	53	27	VN10085.0230	
2,4	57	30	VN10085.0240	
2,5	57	30	VN10085.0250	
2,6	57	30	VN10085.0260	
2,7	61	33	VN10085.0270	
2,8	61	33	VN10085.0280	
2,9	61	33	VN10085.0290	
3	61	33	VN10085.0300	VN10018.0300
3,1	65	36	VN10085.0310	
3,2	65	36	VN10085.0320	VN10018.0320
3,3	65	36	VN10085.0330	VN10018.0330
3,4	70	39	VN10085.0340	
3,5	70	39	VN10085.0350	VN10018.0350
3,6	70	39	VN10085.0360	
3,7	70	39	VN10085.0370	
3,8	75	43	VN10085.0380	
3,9	75	43	VN10085.0390	
4	75	43	VN10085.0400	VN10018.0400
4,1	75	43	VN10085.0410	

Ø D	L	l	CODE	CODE
4,2	75	43	VN10085.0420	VN10018.0420
4,3	80	47	VN10085.0430	
4,4	80	47	VN10085.0440	
4,5	80	47	VN10085.0450	VN10018.0450
4,6	80	47	VN10085.0460	
4,7	80	47	VN10085.0470	
4,8	86	52	VN10085.0480	
4,9	86	52	VN10085.0490	
5	86	52	VN10085.0500	VN10018.0500
5,1	86	52	VN10085.0510	VN10018.0510
5,2	86	52	VN10085.0520	VN10018.0520
5,3	86	52	VN10085.0530	
5,4	93	57	VN10085.0540	
5,5	93	57	VN10085.0550	VN10018.0550
5,6	93	57	VN10085.0560	
5,7	93	57	VN10085.0570	
5,8	93	57	VN10085.0580	
5,9	93	57	VN10085.0590	
6	93	57	VN10085.0600	VN10018.0600
6,1	101	63	VN10085.0610	
6,2	101	63	VN10085.0620	
6,3	101	63	VN10085.0630	
6,4	101	63	VN10085.0640	
6,5	101	63	VN10085.0650	VN10018.0650
6,6	101	63	VN10085.0660	
6,7	101	63	VN10085.0670	
6,8	109	69	VN10085.0680	VN10018.0680
6,9	109	69	VN10085.0690	
7	109	69	VN10085.0700	VN10018.0700
7,1	109	69	VN10085.0710	
7,2	109	69	VN10085.0720	
7,3	109	69	VN10085.0730	



Vrtáky s válcovou stopkou – standard

Parallel shank twist drills - jobber series

Kurze spiralbohrer mit zylinderschaft

Короткие спиральные свёрла с цилиндр. хвостовиком



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VN10085 • VN10018

DIN
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ØD	L	I	CODE	CODE
7,4	109	69	VN10085.0740	
7,5	109	69	VN10085.0750	VN10018.0750
7,6	117	75	VN10085.0760	
7,7	117	75	VN10085.0770	
7,8	117	75	VN10085.0780	
7,9	117	75	VN10085.0790	
8	117	75	VN10085.0800	VN10018.0800
8,1	117	75	VN10085.0810	
8,2	117	75	VN10085.0820	
8,3	117	75	VN10085.0830	
8,4	117	75	VN10085.0840	
8,5	117	75	VN10085.0850	VN10018.0850
8,6	125	81	VN10085.0860	
8,7	125	81	VN10085.0870	
8,8	125	81	VN10085.0880	
8,9	125	81	VN10085.0890	
9	125	81	VN10085.0900	VN10018.0900
9,1	125	81	VN10085.0910	
9,2	125	81	VN10085.0920	
9,3	125	81	VN10085.0930	
9,4	125	81	VN10085.0940	
9,5	125	81	VN10085.0950	VN10018.0950
9,6	133	87	VN10085.0960	
9,7	133	87	VN10085.0970	
9,8	133	87	VN10085.0980	
9,9	133	87	VN10085.0990	
10	133	87	VN10085.1000	VN10018.1000
10,2	133	87	VN10085.1020	
10,5	133	87	VN10085.1050	VN10018.1050
10,8	142	94	VN10085.1080	
11	142	94	VN10085.1100	VN10018.1100
11,2	142	94	VN10085.1120	
11,5	142	94	VN10085.1150	VN10018.1150
11,8	142	94	VN10085.1180	
12	151	101	VN10085.1200	VN10018.1200
12,2	151	101	VN10085.1220	
12,5	151	101	VN10085.1250	VN10018.1250
12,8	151	101	VN10085.1280	
13	151	101	VN10085.1300	VN10018.1300
13,2	151	101	VN10085.1320	
13,5	160	108	VN10085.1350	VN10018.1350
13,8	160	108	VN10085.1380	
14	160	108	VN10085.1400	VN10018.1400
14,5	169	114	VN10085.1450	VN10018.1450
15	169	114	VN10085.1500	VN10018.1500
15,5	178	120	VN10085.1550	VN10018.1550
16	178	120	VN10085.1600	VN10018.1600
16,5	184	125	VN10085.1650	VN10018.1650

ØD	L	I	CODE	CODE
17	184	125	VN10085.1700	VN10018.1700
17,5	191	130	VN10085.1750	VN10018.1750
18	191	130	VN10085.1800	VN10018.1800
18,5	198	135	VN10085.1850	VN10018.1850
19	198	135	VN10085.1900	VN10018.1900
19,5	205	140	VN10085.1950	VN10018.1950
20	205	140	VN10085.2000	VN10018.2000

V

Vrtáky s válcovou stopkou – dlouhé

Straight shank twist drills - long series

Lange spiralbohrer mit zylinderschaft

Длинные спиральные свёрла с цилиндр. хвостовиком

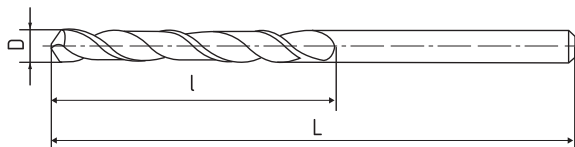


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VN20010 • VN20015

DIN
340

Použití / Usage / Applikation / Употребление

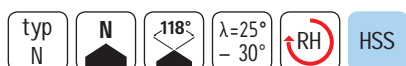


1 2 3 4 5 6 7 8 9 10 11 12 13

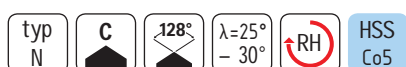
VN20010

1 2 3 4 5 6 7 8 9 10 11 12 13

VN20015



VN20010



VN20015

ØD	L	l	CODE	CODE
0,9	52	30	VN20010.0090	VN20015.0090
1	56	33	VN20010.0100	VN20015.0100
1,1	60	37	VN20010.0110	VN20015.0110
1,2	65	41	VN20010.0120	VN20015.0120
1,3	65	41	VN20010.0130	VN20015.0130
1,4	70	45	VN20010.0140	VN20015.0140
1,5	70	45	VN20010.0150	VN20015.0150
1,6	76	50	VN20010.0160	VN20015.0160
1,7	76	50	VN20010.0170	VN20015.0170
1,8	80	53	VN20010.0180	VN20015.0180
1,9	80	53	VN20010.0190	VN20015.0190
2	85	56	VN20010.0200	VN20015.0200
2,1	85	56	VN20010.0210	VN20015.0210
2,2	90	59	VN20010.0220	VN20015.0220
2,3	90	59	VN20010.0230	VN20015.0230
2,4	95	62	VN20010.0240	VN20015.0240
2,5	95	62	VN20010.0250	VN20015.0250
2,6	95	62	VN20010.0260	VN20015.0260
2,7	100	66	VN20010.0270	VN20015.0270
2,8	100	66	VN20010.0280	VN20015.0280
2,9	100	66	VN20010.0290	VN20015.0290
3	100	66	VN20010.0300	VN20015.0300
3,1	106	69	VN20010.0310	VN20015.0310
3,2	106	69	VN20010.0320	VN20015.0320
3,3	106	69	VN20010.0330	VN20015.0330
3,4	112	73	VN20010.0340	VN20015.0340
3,5	112	73	VN20010.0350	VN20015.0350
3,6	112	73	VN20010.0360	VN20015.0360
3,7	112	73	VN20010.0370	VN20015.0370
3,8	119	78	VN20010.0380	VN20015.0380
3,9	119	78	VN20010.0390	VN20015.0390
4	119	78	VN20010.0400	VN20015.0400

ØD	L	l	CODE	CODE
4,1	119	78	VN20010.0410	VN20015.0410
4,2	119	78	VN20010.0420	VN20015.0420
4,3	126	82	VN20010.0430	VN20015.0430
4,4	126	82	VN20010.0440	VN20015.0440
4,5	126	82	VN20010.0450	VN20015.0450
4,6	126	82	VN20010.0460	VN20015.0460
4,7	126	82	VN20010.0470	VN20015.0470
4,8	132	87	VN20010.0480	VN20015.0480
4,9	132	87	VN20010.0490	VN20015.0490
5	132	87	VN20010.0500	VN20015.0500
5,1	132	87	VN20010.0510	VN20015.0510
5,2	132	87	VN20010.0520	VN20015.0520
5,3	132	87	VN20010.0530	VN20015.0530
5,4	139	91	VN20010.0540	VN20015.0540
5,5	139	91	VN20010.0550	VN20015.0550
5,6	139	91	VN20010.0560	VN20015.0560
5,7	139	91	VN20010.0570	VN20015.0570
5,8	139	91	VN20010.0580	VN20015.0580
5,9	139	91	VN20010.0590	VN20015.0590
6	139	91	VN20010.0600	VN20015.0600
6,1	148	97	VN20010.0610	VN20015.0610
6,2	148	97	VN20010.0620	VN20015.0620
6,3	148	97	VN20010.0630	VN20015.0630
6,4	148	97	VN20010.0640	VN20015.0640
6,5	148	97	VN20010.0650	VN20015.0650
6,6	148	97	VN20010.0660	VN20015.0660
6,7	148	97	VN20010.0670	VN20015.0670
6,8	156	102	VN20010.0680	VN20015.0680
6,9	156	102	VN20010.0690	VN20015.0690
7	156	102	VN20010.0700	VN20015.0700
7,1	156	102	VN20010.0710	VN20015.0710
7,2	156	102	VN20010.0720	VN20015.0720



Vrtáky s válcovou stopkou – dlouhé

Straight shank twist drills - long series

Lange spiralbohrer mit zylinderschaft

Длинные спиральные свёрла с цилиндр. хвостовиком



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VN20010 • VN20015

DIN
340

ØD	L	I	CODE	CODE
7,3	156	102	VN20010.0730	VN20015.0730
7,4	156	102	VN20010.0740	VN20015.0740
7,5	156	102	VN20010.0750	VN20015.0750
7,6	165	109	VN20010.0760	VN20015.0760
7,7	165	109	VN20010.0770	VN20015.0770
7,8	165	109	VN20010.0780	VN20015.0780
7,9	165	109	VN20010.0790	VN20015.0790
8	165	109	VN20010.0800	VN20015.0800
8,1	165	109	VN20010.0810	VN20015.0810
8,2	165	109	VN20010.0820	VN20015.0820
8,3	165	109	VN20010.0830	VN20015.0830
8,4	165	109	VN20010.0840	VN20015.0840
8,5	165	109	VN20010.0850	VN20015.0850
8,6	175	115	VN20010.0860	VN20015.0860
8,7	175	115	VN20010.0870	VN20015.0870
8,8	175	115	VN20010.0880	VN20015.0880
8,9	175	115	VN20010.0890	VN20015.0890
9	175	115	VN20010.0900	VN20015.0900
9,1	175	115	VN20010.0910	VN20015.0910
9,2	175	115	VN20010.0920	VN20015.0920
9,3	175	115	VN20010.0930	VN20015.0930
9,4	175	115	VN20010.0940	VN20015.0940
9,5	175	115	VN20010.0950	VN20015.0950
9,6	184	121	VN20010.0960	VN20015.0960
9,7	184	121	VN20010.0970	VN20015.0970
9,8	184	121	VN20010.0980	VN20015.0980
9,9	184	121	VN20010.0990	VN20015.0990
10	184	121	VN20010.1000	VN20015.1000
10,1	184	121	VN20010.1010	VN20015.1010
10,2	184	121	VN20010.1020	VN20015.1020
10,3	184	121	VN20010.1030	VN20015.1030
10,4	184	121	VN20010.1040	VN20015.1040
10,5	184	121	VN20010.1050	VN20015.1050
10,6	184	121	VN20010.1060	VN20015.1060
10,7	195	128	VN20010.1070	VN20015.1070
10,8	195	128	VN20010.1080	VN20015.1080
10,9	195	128	VN20010.1090	VN20015.1090
11	195	128	VN20010.1100	VN20015.1100
11,1	195	128	VN20010.1110	VN20015.1110
11,2	195	128	VN20010.1120	VN20015.1120
11,3	195	128	VN20010.1130	VN20015.1130
11,4	195	128	VN20010.1140	VN20015.1140
11,5	195	128	VN20010.1150	VN20015.1150
11,6	195	128	VN20010.1160	VN20015.1160
11,7	195	128	VN20010.1170	VN20015.1170
11,8	195	128	VN20010.1180	VN20015.1180
11,9	205	134	VN20010.1190	VN20015.1190
12	205	134	VN20010.1200	VN20015.1200

ØD	L	I	CODE	CODE
12,1	205	134	VN20010.1210	VN20015.1210
12,2	205	134	VN20010.1220	VN20015.1220
12,3	205	134	VN20010.1230	VN20015.1230
12,4	205	134	VN20010.1240	VN20015.1240
12,5	205	134	VN20010.1250	VN20015.1250
12,6	205	134	VN20010.1260	VN20015.1260
12,7	205	134	VN20010.1270	VN20015.1270
12,8	205	134	VN20010.1280	VN20015.1280
12,9	205	134	VN20010.1290	VN20015.1290
13	205	134	VN20010.1300	VN20015.1300
13,1	205	134	VN20010.1310	VN20015.1310
13,2	205	134	VN20010.1320	VN20015.1320
13,3	214	140	VN20010.1330	VN20015.1330
13,4	214	140	VN20010.1340	VN20015.1340
13,5	214	140	VN20010.1350	VN20015.1350
13,6	214	140	VN20010.1360	VN20015.1360
13,7	214	140	VN20010.1370	VN20015.1370
13,8	214	140	VN20010.1380	VN20015.1380
13,9	214	140	VN20010.1390	VN20015.1390
14	214	140	VN20010.1400	VN20015.1400
14,25	220	144	VN20010.1425	
14,5	220	144	VN20010.1450	
14,75	220	144	VN20010.1475	
15	220	144	VN20010.1500	
15,25	227	149	VN20010.1525	
15,5	227	149	VN20010.1550	
15,75	227	149	VN20010.1575	
16	227	149	VN20010.1600	
16,25	235	154	VN20010.1625	
16,5	235	154	VN20010.1650	
16,75	235	154	VN20010.1675	
17	235	154	VN20010.1700	
17,25	241	158	VN20010.1725	
17,5	241	158	VN20010.1750	
17,75	241	158	VN20010.1775	
18	241	158	VN20010.1800	
18,25	247	162	VN20010.1825	
18,5	247	162	VN20010.1850	
18,75	247	162	VN20010.1875	
19	247	162	VN20010.1900	
19,25	254	166	VN20010.1925	
19,5	254	166	VN20010.1950	
19,75	254	166	VN20010.1975	
20	254	166	VN20010.2000	

Vrtáky s válcovou stopkou – HSS, zvlášť dlouhé

Straight shank twist drills – HSS, extra long series

Spiralbohrer mit zylinderschaft – HSS, extra lang

Спиральные свёрла с цилиндр. хвостовиком – HSS, особо длинные



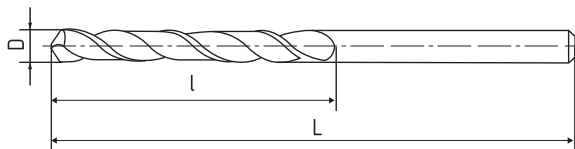
www.zps-fn.com

VN60010 • VN70010 • VN80010

DIN
1869

Použití / Usage / Applikation / Употребление

- 1 2 3 4 5 6 7 8 9 10 11 12 13



VN60010



VN70010



VN80010

ØD	L	I	CODE
2	125	85	VN60010.0200
2,1	125	85	VN60010.0210
2,2	135	90	VN60010.0220
2,25	135	90	VN60010.0225
2,3	135	90	VN60010.0230
2,4	140	95	VN60010.0240
2,5	140	95	VN60010.0250
2,6	140	95	VN60010.0260
2,7	150	100	VN60010.0270
2,75	150	100	VN60010.0275
2,8	150	100	VN60010.0280
2,9	150	100	VN60010.0290
3	150	100	VN60010.0300
3,1	155	105	VN60010.0310
3,2	155	105	VN60010.0320
3,25	155	105	VN60010.0325
3,3	155	105	VN60010.0330
3,4	165	115	VN60010.0340
3,5	165	115	VN60010.0350
3,6	165	115	VN60010.0360
3,7	165	115	VN60010.0370
3,75	165	115	VN60010.0375
3,8	175	120	VN60010.0380
3,9	175	120	VN60010.0390
4	175	120	VN60010.0400
4,1	175	120	VN60010.0410
4,2	175	120	VN60010.0420
4,25	175	120	VN60010.0425
4,3	185	125	VN60010.0430
4,4	185	125	VN60010.0440
4,5	185	125	VN60010.0450
4,6	185	125	VN60010.0460

ØD	L	I	CODE
2,7	190	130	VN70010.0270
2,75	190	130	VN70010.0275
2,8	190	130	VN70010.0280
2,9	190	130	VN70010.0290
3	190	130	VN70010.0300
3,1	200	135	VN70010.0310
3,2	200	135	VN70010.0320
3,25	200	135	VN70010.0325
3,3	200	135	VN70010.0330
3,4	210	145	VN70010.0340
3,5	210	145	VN70010.0350
3,6	210	145	VN70010.0360
3,7	210	145	VN70010.0370
3,75	210	145	VN70010.0375
3,8	220	150	VN70010.0380
3,9	220	150	VN70010.0390
4	220	150	VN70010.0400
4,1	220	150	VN70010.0410
4,2	220	150	VN70010.0420
4,25	220	150	VN70010.0425
4,3	235	160	VN70010.0430
4,4	235	160	VN70010.0440
4,5	235	160	VN70010.0450
4,6	235	160	VN70010.0460
4,7	235	160	VN70010.0470
4,75	235	160	VN70010.0475
4,8	245	170	VN70010.0480
4,9	245	170	VN70010.0490
5	245	170	VN70010.0500
5,1	245	170	VN70010.0510
5,2	245	170	VN70010.0520
5,25	245	170	VN70010.0525

ØD	L	I	CODE
3,5	265	180	VN80010.0350
3,6	265	180	VN80010.0360
3,7	265	180	VN80010.0370
3,75	265	180	VN80010.0375
3,8	280	190	VN80010.0380
3,9	280	190	VN80010.0390
4	280	190	VN80010.0400
4,1	280	190	VN80010.0410
4,2	280	190	VN80010.0420
4,25	280	190	VN80010.0425
4,3	295	200	VN80010.0430
4,4	295	200	VN80010.0440
4,5	295	200	VN80010.0450
4,6	295	200	VN80010.0460
4,7	295	200	VN80010.0470
4,75	295	200	VN80010.0475
4,8	315	210	VN80010.0480
4,9	315	210	VN80010.0490
5	315	210	VN80010.0500
5,1	315	210	VN80010.0510
5,2	315	210	VN80010.0520
5,25	315	210	VN80010.0525
5,3	315	210	VN80010.0530
5,4	330	225	VN80010.0540
5,5	330	225	VN80010.0550
5,6	330	225	VN80010.0560
5,7	330	225	VN80010.0570
5,75	330	225	VN80010.0575
5,8	330	225	VN80010.0580
5,9	330	225	VN80010.0590
6	330	225	VN80010.0600
6,1	350	235	VN80010.0610



Vrtáky s válcovou stopkou – HSS, zvlášť dlouhé

Straight shank twist drills – HSS, extra long series

Spiralbohrer mit zylinderschaft – HSS, extra lang

Спиральные свёрла с цилиндр. хвостовиком – HSS, особо длинные



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VN60010 • VN70010 • VN80010

DIN
1869

ØD	L	I	CODE
4,7	185	125	VN60010.0470
4,75	185	125	VN60010.0475
4,8	195	135	VN60010.0480
4,9	195	135	VN60010.0490
5	195	135	VN60010.0500
5,1	195	135	VN60010.0510
5,2	195	135	VN60010.0520
5,25	195	135	VN60010.0525
5,3	195	135	VN60010.0530
5,4	205	140	VN60010.0540
5,5	205	140	VN60010.0550
5,6	205	140	VN60010.0560
5,7	205	140	VN60010.0570
5,75	205	140	VN60010.0575
5,8	205	140	VN60010.0580
5,9	205	140	VN60010.0590
6	205	140	VN60010.0600
6,1	215	150	VN60010.0610
6,2	215	150	VN60010.0620
6,25	215	150	VN60010.0625
6,3	215	150	VN60010.0630
6,4	215	150	VN60010.0640
6,5	215	150	VN60010.0650
6,6	215	150	VN60010.0660
6,7	215	150	VN60010.0670
6,75	215	150	VN60010.0675
6,8	225	155	VN60010.0680
6,9	225	155	VN60010.0690
7	225	155	VN60010.0700
7,1	225	155	VN60010.0710
7,2	225	155	VN60010.0720
7,25	225	155	VN60010.0725
7,3	225	155	VN60010.0730
7,4	225	155	VN60010.0740
7,5	225	155	VN60010.0750
7,6	240	165	VN60010.0760
7,7	240	165	VN60010.0770
7,75	240	165	VN60010.0775
7,8	240	165	VN60010.0780
7,9	240	165	VN60010.0790
8	240	165	VN60010.0800
8,1	240	165	VN60010.0810
8,2	240	165	VN60010.0820
8,25	240	165	VN60010.0825
8,3	240	165	VN60010.0830
8,4	240	165	VN60010.0840
8,5	240	165	VN60010.0850
8,6	250	175	VN60010.0860
8,7	250	175	VN60010.0870
8,75	250	175	VN60010.0875
8,8	250	175	VN60010.0880

ØD	L	I	CODE
5,3	245	170	VN70010.0530
5,4	260	180	VN70010.0540
5,5	260	180	VN70010.0550
5,6	260	180	VN70010.0560
5,7	260	180	VN70010.0570
5,75	260	180	VN70010.0575
5,8	260	180	VN70010.0580
5,9	260	180	VN70010.0590
6	260	180	VN70010.0600
6,1	275	190	VN70010.0610
6,2	275	190	VN70010.0620
6,25	275	190	VN70010.0625
6,3	275	190	VN70010.0630
6,4	275	190	VN70010.0640
6,5	275	190	VN70010.0650
6,6	275	190	VN70010.0660
6,7	275	190	VN70010.0670
6,75	275	190	VN70010.0675
6,8	290	200	VN70010.0680
6,9	290	200	VN70010.0690
7	290	200	VN70010.0700
7,1	290	200	VN70010.0710
7,2	290	200	VN70010.0720
7,25	290	200	VN70010.0725
7,3	290	200	VN70010.0730
7,4	290	200	VN70010.0740
7,5	290	200	VN70010.0750
7,6	305	210	VN70010.0760
7,7	305	210	VN70010.0770
7,75	305	210	VN70010.0775
7,8	305	210	VN70010.0780
7,9	305	210	VN70010.0790
8	305	210	VN70010.0800
8,1	305	210	VN70010.0810
8,2	305	210	VN70010.0820
8,25	305	210	VN70010.0825
8,3	305	210	VN70010.0830
8,4	305	210	VN70010.0840
8,5	305	210	VN70010.0850
8,6	320	220	VN70010.0860
8,7	320	220	VN70010.0870
8,75	320	220	VN70010.0875
8,8	320	220	VN70010.0880
8,9	320	220	VN70010.0890
9	320	220	VN70010.0900
9,1	320	220	VN70010.0910
9,2	320	220	VN70010.0920
9,25	320	220	VN70010.0925

ØD	L	I	CODE
6,2	350	235	VN80010.0620
6,25	350	235	VN80010.0625
6,3	350	235	VN80010.0630
6,4	350	235	VN80010.0640
6,5	350	235	VN80010.0650
6,6	350	235	VN80010.0660
6,7	350	235	VN80010.0670
6,75	350	235	VN80010.0675
6,8	370	250	VN80010.0680
6,9	370	250	VN80010.0690
7	370	250	VN80010.0700
7,1	370	250	VN80010.0710
7,2	370	250	VN80010.0720
7,25	370	250	VN80010.0725
7,3	370	250	VN80010.0730
7,4	370	250	VN80010.0740
7,5	370	250	VN80010.0750
7,6	390	265	VN80010.0760
7,7	390	265	VN80010.0770
7,75	390	265	VN80010.0775
7,8	390	265	VN80010.0780
7,9	390	265	VN80010.0790
8	390	265	VN80010.0800
8,1	390	265	VN80010.0810
8,2	390	265	VN80010.0820
8,25	390	265	VN80010.0825
8,3	390	265	VN80010.0830
8,4	390	265	VN80010.0840
8,5	390	265	VN80010.0850
8,6	410	280	VN80010.0860
8,7	410	280	VN80010.0870
8,75	410	280	VN80010.0875
8,8	410	280	VN80010.0880
8,9	410	280	VN80010.0890
9	410	280	VN80010.0900
9,1	410	280	VN80010.0910
9,2	410	280	VN80010.0920
9,25	410	280	VN80010.0925
9,3	410	280	VN80010.0930
9,4	410	280	VN80010.0940
9,5	410	280	VN80010.0950
9,6	430	295	VN80010.0960
9,7	430	295	VN80010.0970
9,75	430	295	VN80010.0975
9,8	430	295	VN80010.0980
9,9	430	295	VN80010.0990
10	430	295	VN80010.1000
10,1	430	295	VN80010.1010



Vrtáky s válcovou stopkou – HSS, zvlášť dlouhé

Straight shank twist drills – HSS, extra long series

Spiralbohrer mit zylinderschaft – HSS, extra lang

Спиральные свёрла с цилиндр. хвостовиком – HSS, особо длинные



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VN60010 • VN70010 • VN80010

DIN
1869

ØD	L	I	CODE
8,9	250	175	VN60010.0890
9	250	175	VN60010.0900
9,1	250	175	VN60010.0910
9,2	250	175	VN60010.0920
9,25	250	175	VN60010.0925
9,3	250	175	VN60010.0930
9,4	250	175	VN60010.0940
9,5	250	175	VN60010.0950
9,6	265	185	VN60010.0960
9,7	265	185	VN60010.0970
9,75	265	185	VN60010.0975
9,8	265	185	VN60010.0980
9,9	265	185	VN60010.0990
10	265	185	VN60010.1000
10,1	265	185	VN60010.1010
10,2	265	185	VN60010.1020
10,25	265	185	VN60010.1025
10,3	265	185	VN60010.1030
10,4	265	185	VN60010.1040
10,5	265	185	VN60010.1050
10,6	265	185	VN60010.1060
10,7	280	195	VN60010.1070
10,75	280	195	VN60010.1075
10,8	280	195	VN60010.1080
10,9	280	195	VN60010.1090
11	280	195	VN60010.1100
11,1	280	195	VN60010.1110
11,2	280	195	VN60010.1120
11,25	280	195	VN60010.1125
11,3	280	195	VN60010.1130
11,4	280	195	VN60010.1140
11,5	280	195	VN60010.1150
11,6	280	195	VN60010.1160
11,7	280	195	VN60010.1170
11,75	280	195	VN60010.1175
11,8	280	195	VN60010.1180
11,9	295	205	VN60010.1190
12	295	205	VN60010.1200
12,1	295	205	VN60010.1210
12,2	295	205	VN60010.1220
12,25	295	205	VN60010.1225
12,3	295	205	VN60010.1230
12,4	295	205	VN60010.1240
12,5	295	205	VN60010.1250
12,6	295	205	VN60010.1260
12,7	295	205	VN60010.1270
12,75	295	205	VN60010.1275
12,8	295	205	VN60010.1280
12,9	295	205	VN60010.1290
13	295	205	VN60010.1300

ØD	L	I	CODE
9,3	320	220	VN70010.0930
9,4	320	220	VN70010.0940
9,5	320	220	VN70010.0950
9,6	340	235	VN70010.0960
9,7	340	235	VN70010.0970
9,75	340	235	VN70010.0975
9,8	340	235	VN70010.0980
9,9	340	235	VN70010.0990
10	340	235	VN70010.1000
10,1	340	235	VN70010.1010
10,2	340	235	VN70010.1020
10,25	340	235	VN70010.1025
10,3	340	235	VN70010.1030
10,4	340	235	VN70010.1040
10,5	340	235	VN70010.1050
10,6	340	235	VN70010.1060
10,7	365	250	VN70010.1070
10,75	365	250	VN70010.1075
10,8	365	250	VN70010.1080
10,9	365	250	VN70010.1090
11	365	250	VN70010.1100
11,1	365	250	VN70010.1110
11,2	365	250	VN70010.1120
11,25	365	250	VN70010.1125
11,3	365	250	VN70010.1130
11,4	365	250	VN70010.1140
11,5	365	250	VN70010.1150
11,6	365	250	VN70010.1160
11,7	365	250	VN70010.1170
11,75	365	250	VN70010.1175
11,8	365	250	VN70010.1180
11,9	375	260	VN70010.1190
12	375	260	VN70010.1200
12,1	375	260	VN70010.1210
12,2	375	260	VN70010.1220
12,25	375	260	VN70010.1225
12,3	375	260	VN70010.1230
12,4	375	260	VN70010.1240
12,5	375	260	VN70010.1250
12,6	375	260	VN70010.1260
12,7	375	260	VN70010.1270
12,75	375	260	VN70010.1275
12,8	375	260	VN70010.1280
12,9	375	260	VN70010.1290
13	375	260	VN70010.1300

ØD	L	I	CODE
10,2	430	295	VN80010.1020
10,25	430	295	VN80010.1025
10,3	430	295	VN80010.1030
10,4	430	295	VN80010.1040
10,5	430	295	VN80010.1050
10,6	430	295	VN80010.1060
10,7	455	310	VN80010.1070
10,75	455	310	VN80010.1075
10,8	455	310	VN80010.1080
10,9	455	310	VN80010.1090
11	455	310	VN80010.1100
11,1	455	310	VN80010.1110
11,2	455	310	VN80010.1120
11,25	455	310	VN80010.1125
11,3	455	310	VN80010.1130
11,4	455	310	VN80010.1140
11,5	455	310	VN80010.1150
11,6	455	310	VN80010.1160
11,7	455	310	VN80010.1170
11,75	455	310	VN80010.1175
11,8	455	310	VN80010.1180
11,9	480	330	VN80010.1190
12	480	330	VN80010.1200
12,1	480	330	VN80010.1210
12,2	480	330	VN80010.1220
12,25	480	330	VN80010.1225
12,3	480	330	VN80010.1230
12,4	480	330	VN80010.1240
12,5	480	330	VN80010.1250
12,6	480	330	VN80010.1260
12,7	480	330	VN80010.1270
12,75	480	330	VN80010.1275
12,8	480	330	VN80010.1280
12,9	480	330	VN80010.1290
13	480	330	VN80010.1300

Vrtáky s válcovou stopkou – HSSCo5, zvlášť dlouhé

Straight shank twist drills – HSSCo5, extra long series

Spiralbohrer mit zylinderschaft – HSSCo5, extra lang

Спиральные свёрла с цилиндр. Хвостовиком – HSSCo5, особо длинные



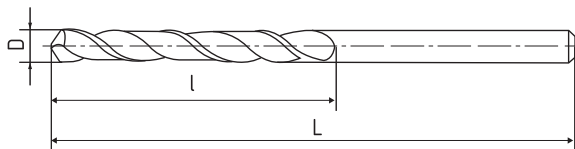
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VN60045 • VN70045 • VN80045

DIN
1869

Použití / Usage / Applikation / Употребление

1 2 3 4 5 6 7 8 9 10 11 12 13



VN60045



VN70045



VN80045

ØD	L	I	CODE
2	125	85	VN60045.0200
2,2	135	90	VN60045.0220
2,5	140	95	VN60045.0250
2,8	150	100	VN60045.0280
3	150	100	VN60045.0300
3,2	155	105	VN60045.0320
3,5	165	115	VN60045.0350
3,8	175	120	VN60045.0380
4	175	120	VN60045.0400
4,2	175	120	VN60045.0420
4,5	185	125	VN60045.0450
4,8	195	135	VN60045.0480
5	195	135	VN60045.0500
5,2	195	135	VN60045.0520
5,5	205	140	VN60045.0550
5,8	205	140	VN60045.0580
6	205	140	VN60045.0600
6,5	215	150	VN60045.0650
7	225	155	VN60045.0700
7,5	225	155	VN60045.0750
8	240	165	VN60045.0800
8,5	240	165	VN60045.0850
9	250	175	VN60045.0900
9,5	250	175	VN60045.0950
10	265	185	VN60045.1000
10,5	265	185	VN60045.1050
11	280	195	VN60045.1100
11,5	280	195	VN60045.1150
12	295	205	VN60045.1200
12,5	295	205	VN60045.1250
13	295	205	VN60045.1300

ØD	L	I	CODE
2,8	190	130	VN70045.0280
3	190	130	VN70045.0300
3,2	200	135	VN70045.0320
3,5	210	145	VN70045.0350
3,8	220	150	VN70045.0380
4	220	150	VN70045.0400
4,2	220	150	VN70045.0420
4,5	235	160	VN70045.0450
4,8	245	170	VN70045.0480
5	245	170	VN70045.0500
5,2	245	170	VN70045.0520
5,5	260	180	VN70045.0550
5,8	260	180	VN70045.0580
6	260	180	VN70045.0600
6,5	275	190	VN70045.0650
7	290	200	VN70045.0700
7,5	290	200	VN70045.0750
8	305	210	VN70045.0800
8,5	305	210	VN70045.0850
9	320	220	VN70045.0900
9,5	320	220	VN70045.0950
10	340	235	VN70045.1000
10,5	340	235	VN70045.1050
11	365	250	VN70045.1100
11,5	365	250	VN70045.1150
12	375	260	VN70045.1200
12,5	375	260	VN70045.1250
13	375	260	VN70045.1300

ØD	L	I	CODE
3,5	265	180	VN80045.0350
3,8	280	190	VN80045.0380
4	280	190	VN80045.0400
4,2	280	190	VN80045.0420
4,5	295	200	VN80045.0450
4,8	315	210	VN80045.0480
5	315	210	VN80045.0500
5,2	315	210	VN80045.0520
5,5	330	225	VN80045.0550
5,8	330	225	VN80045.0580
6	330	225	VN80045.0600
6,5	350	235	VN80045.0650
7	370	250	VN80045.0700
7,5	370	250	VN80045.0750
8	390	265	VN80045.0800
8,5	390	265	VN80045.0850
9	410	280	VN80045.0900
9,5	410	280	VN80045.0950
10	430	295	VN80045.1000
10,5	430	295	VN80045.1050
11	455	310	VN80045.1100
11,5	455	310	VN80045.1150
12	480	330	VN80045.1200
12,5	480	330	VN80045.1250
13	480	330	VN80045.1300

NC navrtávky 90°, 120°

NC-spotting drills 90°, 120°

NC-anbohrer 90°, 120°

Центровочные сверла 90°, 120° для станков с чпу

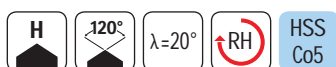
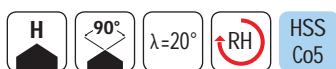
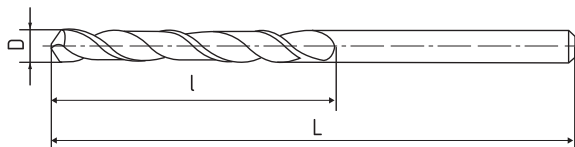


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VN50115 • VN50105

Použití / Usage / Applikation / Употребление

1 2 3 4 5 6 7 8 9 10 11 12 13



VN50115



VN50105

ØD	L	l	CODE	CODE
3	46	12	VN50115.0300	VN50105.0300
4	55	12	VN50115.0400	VN50105.0400
5	62	14	VN50115.0500	VN50105.0500
6	66	16	VN50115.0600	VN50105.0600
8	79	21	VN50115.0800	VN50105.0800
10	89	25	VN50115.1000	VN50105.1000
12	102	30	VN50115.1200	VN50105.1200
14	107	34	VN50115.1400	VN50105.1400
16	115	38	VN50115.1600	VN50105.1600
20	131	45	VN50115.2000	VN50105.2000
25	151	53	VN50115.2500	VN50105.2500



SADY VRTÁKŮ • SETS OF TWIST DRILLS • SPIRALBOHRERSÄTZE • НАБОР СВЁРЛ

10010.04
10085.04



19 ks – 19 pcs – 19 Szt

Ø 1,0 – 10,0 à 0,5 mm

10010.05
10085.05



25 ks – 25 pcs – 25 Szt

Ø 1,0 – 13,0 à 0,5 mm

10010.06
10085.06



81 ks – 81 pcs – 81 Szt

Ø 2,0 – 10,0 à 0,1 mm

Vrtáky s kuželovou stopkou

Tapper shank drills

Spiralbohrer mit morsekegel

Сверла с коническим хвостовиком



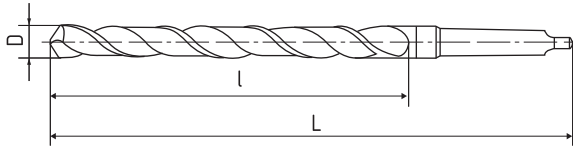
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VK10010 • VK10015

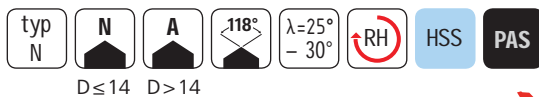
DIN
345

Použití / Usage / Applikation / Употребление

1 2 3 4 5 6 7 8 9 10 11 12 13



1 2 3 4 5 6 7 8 9 10 11 12 13



D ≤ 14 D > 14



VK10010



VK10015

ØD	L	l	CODE	CODE
2	108	24	VK10010.0200	
2,2	108	27	VK10010.0220	
2,5	111	30	VK10010.0250	
2,8	114	33	VK10010.0280	
3	114	33	VK10010.0300	
3,2	117	36	VK10010.0320	
3,5	120	39	VK10010.0350	
3,8	124	43	VK10010.0380	
4	124	43	VK10010.0400	
4,2	124	43	VK10010.0420	
4,5	128	47	VK10010.0450	
4,8	133	52	VK10010.0480	
5	133	52	VK10010.0500	VK10015.0500
5,1	133	52	VK10010.0510	
5,2	133	52	VK10010.0520	
5,25	133	52	VK10010.0525	
5,3	133	52	VK10010.0530	
5,4	138	57	VK10010.0540	
5,5	138	57	VK10010.0550	VK10015.0550
5,6	138	57	VK10010.0560	
5,7	138	57	VK10010.0570	
5,75	138	57	VK10010.0575	
5,8	138	57	VK10010.0580	
5,9	138	57	VK10010.0590	
6	138	57	VK10010.0600	VK10015.0600
6,1	144	63	VK10010.0610	
6,2	144	63	VK10010.0620	
6,25	144	63	VK10010.0625	
6,3	144	63	VK10010.0630	
6,4	144	63	VK10010.0640	
6,5	144	63	VK10010.0650	VK10015.0650
6,6	144	63	VK10010.0660	
6,7	144	63	VK10010.0670	
6,75	150	69	VK10010.0675	

ØD	L	l	CODE	CODE
6,8	150	69	VK10010.0680	
6,9	150	69	VK10010.0690	
7	150	69	VK10010.0700	VK10015.0700
7,1	150	69	VK10010.0710	
7,2	150	69	VK10010.0720	
7,25	150	69	VK10010.0725	
7,3	150	69	VK10010.0730	
7,4	150	69	VK10010.0740	
7,5	150	69	VK10010.0750	VK10015.0750
7,6	156	75	VK10010.0760	
7,7	156	75	VK10010.0770	
7,75	156	75	VK10010.0775	
7,8	156	75	VK10010.0780	
7,9	156	75	VK10010.0790	
8	156	75	VK10010.0800	VK10015.0800
8,1	156	75	VK10010.0810	
8,2	156	75	VK10010.0820	
8,25	156	75	VK10010.0825	
8,3	156	75	VK10010.0830	
8,4	156	75	VK10010.0840	
8,5	156	75	VK10010.0850	VK10015.0850
8,6	162	81	VK10010.0860	
8,7	162	81	VK10010.0870	
8,75	162	81	VK10010.0875	
8,8	162	81	VK10010.0880	
8,9	162	81	VK10010.0890	
9	162	81	VK10010.0900	VK10015.0900
9,1	162	81	VK10010.0910	
9,2	162	81	VK10010.0920	
9,25	162	81	VK10010.0925	
9,3	162	81	VK10010.0930	
9,4	162	81	VK10010.0940	
9,5	162	81	VK10010.0950	VK10015.0950
9,6	168	87	VK10010.0960	

Vrtáky s kuželovou stopkou

Tapper shank drills

Spiralbohrer mit morsekegel

Сверла с коническим хвостовиком



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DIN
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ØD	L	I	CODE	CODE
9,7	168	87	VK10010.0970	
9,75	168	87	VK10010.0975	
9,8	168	87	VK10010.0980	
9,9	168	87	VK10010.0990	
10	168	87	VK10010.1000	VK10015.1000
10,1	168	87	VK10010.1010	
10,2	168	87	VK10010.1020	
10,25	168	87	VK10010.1025	
10,3	168	87	VK10010.1030	
10,4	168	87	VK10010.1040	
10,5	168	87	VK10010.1050	VK10015.1050
10,6	168	87	VK10010.1060	
10,7	175	94	VK10010.1070	
10,75	175	94	VK10010.1075	
10,8	175	94	VK10010.1080	
10,9	175	94	VK10010.1090	
11	175	94	VK10010.1100	VK10015.1100
11,1	175	94	VK10010.1110	
11,2	175	94	VK10010.1120	
11,25	175	94	VK10010.1125	
11,3	175	94	VK10010.1130	
11,4	175	94	VK10010.1140	
11,5	175	94	VK10010.1150	VK10015.1150
11,6	175	94	VK10010.1160	
11,7	175	94	VK10010.1170	
11,75	175	94	VK10010.1175	
11,8	175	94	VK10010.1180	
11,9	182	101	VK10010.1190	
12	182	101	VK10010.1200	VK10015.1200
12,1	182	101	VK10010.1210	
12,2	182	101	VK10010.1220	
12,25	182	101	VK10010.1225	
12,3	182	101	VK10010.1230	
12,4	182	101	VK10010.1240	
12,5	182	101	VK10010.1250	VK10015.1250
12,6	182	101	VK10010.1260	
12,7	182	101	VK10010.1270	
12,75	182	101	VK10010.1275	
12,8	182	101	VK10010.1280	
12,9	182	101	VK10010.1290	
13	182	101	VK10010.1300	VK10015.1300
13,1	182	101	VK10010.1310	
13,2	182	101	VK10010.1320	
13,25	189	108	VK10010.1325	
13,3	189	108	VK10010.1330	
13,4	189	108	VK10010.1340	
13,5	189	108	VK10010.1350	VK10015.1350
13,6	189	108	VK10010.1360	
13,7	189	108	VK10010.1370	
13,75	189	108	VK10010.1375	
13,8	189	108	VK10010.1380	

ØD	L	I	CODE	CODE
13,9	189	108	VK10010.1390	
14	189	108	VK10010.1400	VK10015.1400
14,25	212	114	VK10010.1425	
14,5	212	114	VK10010.1450	VK10015.1450
14,75	212	114	VK10010.1475	
15	212	114	VK10010.1500	VK10015.1500
15,25	218	120	VK10010.1525	
15,5	218	120	VK10010.1550	VK10015.1550
15,75	218	120	VK10010.1575	
16	218	120	VK10010.1600	VK10015.1600
16,25	223	125	VK10010.1625	
16,5	223	125	VK10010.1650	VK10015.1650
16,75	223	125	VK10010.1675	
17	223	125	VK10010.1700	VK10015.1700
17,25	228	130	VK10010.1725	
17,5	228	130	VK10010.1750	VK10015.1750
17,75	228	130	VK10010.1775	
18	228	130	VK10010.1800	VK10015.1800
18,25	233	135	VK10010.1825	
18,5	233	135	VK10010.1850	VK10015.1850
18,75	233	135	VK10010.1875	
19	233	135	VK10010.1900	VK10015.1900
19,25	238	140	VK10010.1925	
19,5	238	140	VK10010.1950	VK10015.1950
19,75	238	140	VK10010.1975	
20	238	140	VK10010.2000	VK10015.2000
20,25	243	145	VK10010.2025	
20,5	243	145	VK10010.2050	VK10015.2050
20,75	243	145	VK10010.2075	
21	243	145	VK10010.2100	VK10015.2100
21,25	248	150	VK10010.2125	
21,5	248	150	VK10010.2150	VK10015.2150
21,75	248	150	VK10010.2175	
22	248	150	VK10010.2200	VK10015.2200
22,25	248	150	VK10010.2225	
22,5	253	155	VK10010.2250	VK10015.2250
22,75	253	155	VK10010.2275	
23	253	155	VK10010.2300	VK10015.2300
23,25	276	155	VK10010.2325	
23,5	276	155	VK10010.2350	VK10015.2350
23,75	281	160	VK10010.2375	
24	281	160	VK10010.2400	VK10015.2400
24,25	281	160	VK10010.2425	
24,5	281	160	VK10010.2450	VK10015.2450
24,75	281	160	VK10010.2475	
25	281	160	VK10010.2500	VK10015.2500
25,25	286	165	VK10010.2525	
25,5	286	165	VK10010.2550	VK10015.2550
25,75	286	165	VK10010.2575	
26	286	165	VK10010.2600	VK10015.2600
26,25	286	165	VK10010.2625	

Vrtáky s kuželovou stopkou

Tapper shank drills

Spiralbohrer mit morsekegel

Сверла с коническим хвостовиком



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DIN
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ØD	L	I	CODE	CODE
26,5	286	165	VK10010.2650	VK10015.2650
26,75	291	170	VK10010.2675	
27	291	170	VK10010.2700	VK10015.2700
27,25	291	170	VK10010.2725	
27,5	291	170	VK10010.2750	VK10015.2750
27,75	291	170	VK10010.2775	
28	291	170	VK10010.2800	VK10015.2800
28,25	296	175	VK10010.2825	
28,5	296	175	VK10010.2850	VK10015.2850
28,75	296	175	VK10010.2875	
29	296	175	VK10010.2900	VK10015.2900
29,25	296	175	VK10010.2925	
29,5	296	175	VK10010.2950	VK10015.2950
29,75	296	175	VK10010.2975	
30	296	175	VK10010.3000	VK10015.3000
30,25	301	180	VK10010.3025	
30,5	301	180	VK10010.3050	VK10015.3050
30,75	301	180	VK10010.3075	
31	301	180	VK10010.3100	VK10015.3100
31,25	301	180	VK10010.3125	
31,5	301	180	VK10010.3150	VK10015.3150
31,75	306	185	VK10010.3175	
32	334	185	VK10010.3200	VK10015.3200
32,5	334	185	VK10010.3250	VK10015.3250
33	334	185	VK10010.3300	VK10015.3300
33,5	334	185	VK10010.3350	VK10015.3350
34	339	190	VK10010.3400	VK10015.3400
34,5	339	190	VK10010.3450	VK10015.3450
35	339	190	VK10010.3500	VK10015.3500
35,5	339	190	VK10010.3550	VK10015.3550
36	344	195	VK10010.3600	VK10015.3600
36,5	344	195	VK10010.3650	VK10015.3650
37	344	195	VK10010.3700	VK10015.3700
37,5	344	195	VK10010.3750	VK10015.3750
38	349	200	VK10010.3800	VK10015.3800
38,5	349	200	VK10010.3850	VK10015.3850
39	349	200	VK10010.3900	VK10015.3900
39,5	349	200	VK10010.3950	VK10015.3950
40	349	200	VK10010.4000	VK10015.4000
40,5	354	205	VK10010.4050	VK10015.4050
41	354	205	VK10010.4100	VK10015.4100
41,5	354	205	VK10010.4150	VK10015.4150
42	354	205	VK10010.4200	VK10015.4200
42,5	354	205	VK10010.4250	VK10015.4250
43	359	210	VK10010.4300	VK10015.4300
43,5	359	210	VK10010.4350	VK10015.4350
44	359	210	VK10010.4400	VK10015.4400
44,5	359	210	VK10010.4450	VK10015.4450
45	359	210	VK10010.4500	VK10015.4500
45,5	364	215	VK10010.4550	VK10015.4550
46	364	215	VK10010.4600	VK10015.4600

ØD	L	I	CODE	CODE
46,5	364	215	VK10010.4650	VK10015.4650
47	364	215	VK10010.4700	VK10015.4700
47,5	364	215	VK10010.4750	VK10015.4750
48	369	220	VK10010.4800	VK10015.4800
48,5	369	220	VK10010.4850	VK10015.4850
49	369	220	VK10010.4900	VK10015.4900
49,5	369	220	VK10010.4950	VK10015.4950
50	369	220	VK10010.5000	VK10015.5000
50,5	374	225	VK10010.5050	
51	412	225	VK10010.5100	
52	412	225	VK10010.5200	
53	412	225	VK10010.5300	
54	417	230	VK10010.5400	
55	417	230	VK10010.5500	
56	417	230	VK10010.5600	
57	422	235	VK10010.5700	
58	422	235	VK10010.5800	
59	422	235	VK10010.5900	
60	422	235	VK10010.6000	
61	427	240	VK10010.6100	
62	427	240	VK10010.6200	
63	427	240	VK10010.6300	
64	432	245	VK10010.6400	
65	432	245	VK10010.6500	
66	432	245	VK10010.6600	
67	432	245	VK10010.6700	
68	437	250	VK10010.6800	
69	437	250	VK10010.6900	
70	437	250	VK10010.7000	
71	437	250	VK10010.7100	
72	442	255	VK10010.7200	
73	442	255	VK10010.7300	
74	442	255	VK10010.7400	
75	442	255	VK10010.7500	
76	447	260	VK10010.7600	
77	514	260	VK10010.7700	
78	514	260	VK10010.7800	
79	514	260	VK10010.7900	
80	514	260	VK10010.8000	
81	519	265	VK10010.8100	
82	519	265	VK10010.8200	
83	519	265	VK10010.8300	
84	519	265	VK10010.8400	
85	519	265	VK10010.8500	
86	524	270	VK10010.8600	
87	524	270	VK10010.8700	
88	524	270	VK10010.8800	
89	524	270	VK10010.8900	
90	524	270	VK10010.9000	

Vrtáky s kuželovou stopkou – HSS, extra dlouhé

Tapper shank drills – HSS, extra long

Spiralbohrer mit morsekegel – HSS, extra lang

Сверла с коническим хвостовиком – HSS, особо длинные



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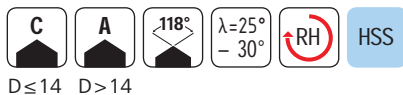
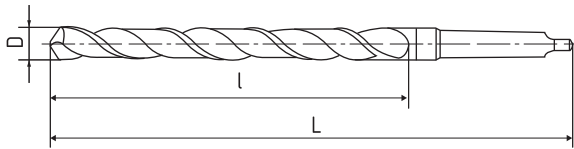
VK60010 • VK70010 • VK80010

DIN 341

DIN 1870

Použití / Usage / Applikation / Употребление

- 1
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D ≤ 14 D > 14



VK60010



VK70010



VK80010

ØD	L	I	CODE
8	181	100	VK60010.0800
8,5	181	100	VK60010.0850
9	188	107	VK60010.0900
9,5	188	107	VK60010.0950
10	197	116	VK60010.1000
10,5	197	116	VK60010.1050
11	206	125	VK60010.1100
11,5	206	125	VK60010.1150
12	215	134	VK60010.1200
12,5	215	134	VK60010.1250
13	215	134	VK60010.1300
13,5	223	142	VK60010.1350
14	223	142	VK60010.1400
14,5	245	147	VK60010.1450
15	245	147	VK60010.1500
15,5	251	153	VK60010.1550
16	251	153	VK60010.1600
16,5	257	159	VK60010.1650
17	257	159	VK60010.1700
17,5	263	165	VK60010.1750
18	263	165	VK60010.1800
18,5	269	171	VK60010.1850
19	269	171	VK60010.1900
19,5	275	177	VK60010.1950
20	275	177	VK60010.2000
20,5	282	184	VK60010.2050
21	282	184	VK60010.2100
21,5	289	191	VK60010.2150
22	289	191	VK60010.2200
22,5	296	198	VK60010.2250
23	296	198	VK60010.2300
23,5	319	198	VK60010.2350

ØD	L	I	CODE
8	265	165	VK70010.0800
8,5	265	165	VK70010.0850
9	275	175	VK70010.0900
9,5	275	175	VK70010.0950
10	285	185	VK70010.1000
10,5	285	185	VK70010.1050
11	300	195	VK70010.1100
11,5	300	195	VK70010.1150
12	310	205	VK70010.1200
12,5	310	205	VK70010.1250
13	310	205	VK70010.1300
13,5	325	220	VK70010.1350
14	325	220	VK70010.1400
14,5	340	220	VK70010.1450
15	340	220	VK70010.1500
15,5	355	230	VK70010.1550
16	355	230	VK70010.1600
16,5	355	230	VK70010.1650
17	355	230	VK70010.1700
17,5	370	245	VK70010.1750
18	370	245	VK70010.1800
18,5	370	245	VK70010.1850
19	370	245	VK70010.1900
19,5	385	260	VK70010.1950
20	385	260	VK70010.2000
20,5	385	260	VK70010.2050
21	385	260	VK70010.2100
21,5	405	270	VK70010.2150
22	405	270	VK70010.2200
22,5	405	270	VK70010.2250
23	405	270	VK70010.2300
23,5	425	270	VK70010.2350

ØD	L	I	CODE
10	360	235	VK80010.1000
10,5	360	235	VK80010.1050
11	375	250	VK80010.1100
11,5	375	250	VK80010.1150
12	395	260	VK80010.1200
12,5	395	260	VK80010.1250
13	395	260	VK80010.1300
13,5	410	275	VK80010.1350
14	410	275	VK80010.1400
14,5	425	275	VK80010.1450
15	425	275	VK80010.1500
15,5	445	295	VK80010.1550
16	445	295	VK80010.1600
16,5	445	295	VK80010.1650
17	445	295	VK80010.1700
17,5	465	310	VK80010.1750
18	465	310	VK80010.1800
18,5	465	310	VK80010.1850
19	465	310	VK80010.1900
19,5	490	325	VK80010.1950
20	490	325	VK80010.2000
20,5	490	325	VK80010.2050
21	490	325	VK80010.2100
21,5	515	345	VK80010.2150
22	515	345	VK80010.2200
22,5	515	345	VK80010.2250
23	515	345	VK80010.2300
23,5	535	345	VK80010.2350
24	555	365	VK80010.2400
24,5	555	365	VK80010.2450
25	555	365	VK80010.2500
25,5	555	365	VK80010.2550

Vrtáky s kuželovou stopkou – HSS, extra dlouhé

Tapper shank drills – HSS, extra long

Spiralbohrer mit morsekegel – HSS, extra lang

Сверла с коническим хвостовиком – HSS, особо длинные



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VK60010 • VK70010 • VK80010

DIN
341

DIN
1870

ØD	L	I	CODE
24	327	206	VK60010.2400
24,5	327	206	VK60010.2450
25	327	206	VK60010.2500
25,5	335	214	VK60010.2550
26	335	214	VK60010.2600
26,5	335	214	VK60010.2650
27	343	222	VK60010.2700
27,5	343	222	VK60010.2750
28	343	222	VK60010.2800
28,5	351	230	VK60010.2850
29	351	230	VK60010.2900
29,5	351	230	VK60010.2950
30	351	230	VK60010.3000
31	360	239	VK60010.3100
32	397	248	VK60010.3200
33	397	248	VK60010.3300
34	406	257	VK60010.3400
35	406	257	VK60010.3500
36	416	267	VK60010.3600
37	416	267	VK60010.3700
38	426	277	VK60010.3800
39	426	277	VK60010.3900
40	426	277	VK60010.4000
41	436	287	VK60010.4100
42	436	287	VK60010.4200
43	447	298	VK60010.4300
44	447	298	VK60010.4400
45	447	298	VK60010.4500
46	459	310	VK60010.4600
47	459	310	VK60010.4700
48	470	321	VK60010.4800
49	470	321	VK60010.4900
50	470	321	VK60010.5000

ØD	L	I	CODE
24	440	290	VK70010.2400
24,5	440	290	VK70010.2450
25	440	290	VK70010.2500
25,5	440	290	VK70010.2550
26	440	290	VK70010.2600
26,5	440	290	VK70010.2650
27	460	305	VK70010.2700
27,5	460	305	VK70010.2750
28	460	305	VK70010.2800
28,5	460	305	VK70010.2850
29	460	305	VK70010.2900
29,5	460	305	VK70010.2950
30	460	305	VK70010.3000
31	480	320	VK70010.3100
32	505	320	VK70010.3200
33	505	320	VK70010.3300
34	530	340	VK70010.3400
35	530	340	VK70010.3500
36	530	340	VK70010.3600
37	530	340	VK70010.3700
38	555	360	VK70010.3800
39	555	360	VK70010.3900
40	555	360	VK70010.4000
41	555	360	VK70010.4100
42	555	360	VK70010.4200
43	585	385	VK70010.4300
44	585	385	VK70010.4400
45	585	385	VK70010.4500
46	585	385	VK70010.4600
47	585	385	VK70010.4700
48	605	405	VK70010.4800
49	605	405	VK70010.4900
50	605	405	VK70010.5000

ØD	L	I	CODE
26	555	365	VK80010.2600
26,5	555	365	VK80010.2650
27	580	385	VK80010.2700
27,5	580	385	VK80010.2750
28	580	385	VK80010.2800
28,5	580	385	VK80010.2850
29	580	385	VK80010.2900
29,5	580	385	VK80010.2950
30	580	385	VK80010.3000
31	610	410	VK80010.3100
32	635	410	VK80010.3200
33	635	410	VK80010.3300
34	665	430	VK80010.3400
35	665	430	VK80010.3500
36	665	430	VK80010.3600
37	665	430	VK80010.3700
38	695	460	VK80010.3800
39	695	460	VK80010.3900
40	695	460	VK80010.4000
41	695	460	VK80010.4100
42	695	460	VK80010.4200
43	735	490	VK80010.4300
44	735	490	VK80010.4400
45	735	490	VK80010.4500
46	735	490	VK80010.4600
47	735	490	VK80010.4700
48	765	510	VK80010.4800
49	765	510	VK80010.4900
50	765	510	VK80010.5000



Vrtáky s kuželovou stopkou – HSSCo5, extra dlouhé

Tapper shank drills – HSSCo5, extra long

Spiralbohrer mit morsekegel – HSSCo5, extra lang

Сверла с коническим хвостовиком – HSSCo5, особо длинные



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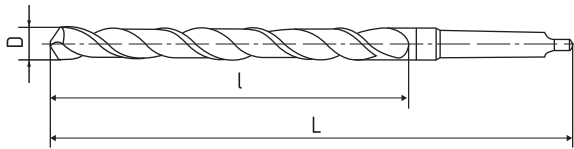
VK60045 • VK70045 • VK80045

DIN 341

DIN 1870

Použití / Usage / Applikation / Употребление

1 2 3 4 5 6 7 8 9 10 11 12 13



VK60045



VK70045



VK80045

ØD	L	l	CODE
8	181	100	VK60045.0800
8,5	181	100	VK60045.0850
9	188	107	VK60045.0900
9,5	188	107	VK60045.0950
10	197	116	VK60045.1000
10,5	197	116	VK60045.1050
11	206	125	VK60045.1100
11,5	206	125	VK60045.1150
12	215	134	VK60045.1200
12,5	215	134	VK60045.1250
13	215	134	VK60045.1300
13,5	223	142	VK60045.1350
14	223	142	VK60045.1400
14,5	245	147	VK60045.1450
15	245	147	VK60045.1500
15,5	251	153	VK60045.1550
16	251	153	VK60045.1600
16,5	257	159	VK60045.1650
17	257	159	VK60045.1700
17,5	263	165	VK60045.1750
18	263	165	VK60045.1800
18,5	269	171	VK60045.1850
19	269	171	VK60045.1900
19,5	275	177	VK60045.1950
20	275	177	VK60045.2000

ØD	L	l	CODE
8	265	165	VK70045.0800
8,5	265	165	VK70045.0850
9	275	175	VK70045.0900
9,5	275	175	VK70045.0950
10	285	185	VK70045.1000
10,5	285	185	VK70045.1050
11	300	195	VK70045.1100
11,5	300	195	VK70045.1150
12	310	205	VK70045.1200
12,5	310	205	VK70045.1250
13	310	205	VK70045.1300
13,5	325	220	VK70045.1350
14	325	220	VK70045.1400
14,5	340	220	VK70045.1450
15	340	220	VK70045.1500
15,5	355	230	VK70045.1550
16	355	230	VK70045.1600
16,5	355	230	VK70045.1650
17	355	230	VK70045.1700
17,5	370	245	VK70045.1750
18	370	245	VK70045.1800
18,5	370	245	VK70045.1850
19	370	245	VK70045.1900
19,5	385	260	VK70045.1950
20	385	260	VK70045.2000

ØD	L	l	CODE
14	410	275	VK80045.1400
14,5	425	275	VK80045.1450
15	425	275	VK80045.1500
15,5	445	295	VK80045.1550
16	445	295	VK80045.1600
16,5	445	295	VK80045.1650
17	445	295	VK80045.1700
17,5	465	310	VK80045.1750
18	465	310	VK80045.1800
18,5	465	310	VK80045.1850
19	465	310	VK80045.1900
19,5	490	325	VK80045.1950
20	490	325	VK80045.2000