VRTÁKY S KUŽELOVOU STOPKOU ZVLÁŠŤ DLOUHÉ
EXTRA LONG TAPER SHANK DRILLS
SPIRALBOHRER, EXTRA LANG, MIT MORSEKEGELSCHAFT

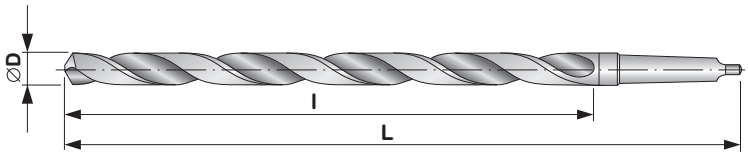
ZV 5001

DIN 341 RN
DIN 1870 RN

HSS | BLANC | ε = 118° | N, λ = 25°- 30° | DIN 1412 FORM „C" 8,0 - 14,0 | DIN 1412 FORM „A" 14,1 - 50,0 | R | V 8,0 ÷ 14,0 | F 14,5÷50,0 | 10xD

Steel <850 MPa | Cast iron | Al/alloy | Cu/alloy | Plastics

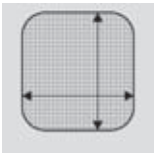
∅D= 8,00÷14,00 ~ MORSE 1
∅D=14,25÷23,00 ~ MORSE 2
∅D=23,50÷31,00 ~ MORSE 3
∅D=32,00÷50,00 ~ MORSE 4





	délkové provedení 1 / DIN 341					délkové provedení 2 / DIN 1870 series 1 / Reihe 1				
∅D mm	Objednací číslo Order No. Bestell-Nr.	L mm	l mm	kg	Code ZV 5001	Objednací číslo Order No. Bestell-Nr.	L mm	l mm	kg	Code ZV 5001
8,0	A990801V000S	181	100	0,087	8x181/100	A990802V000S	265	165	0,093	8x265/165
8,5	A990851V000S	181	100	0,090	8,5x181/100	A990852V000S	265	165	0,095	8,5x265/165
9,0	A990901V000S	188	107	0,093	9x188/107	A990902V000S	275	175	0,102	9x275/175
9,5	A990951V000S	188	107	0,096	9,5x188/107	A990952V000S	275	175	0,107	9,5x275/175
10,0	A991001V000S	197	116	0,099	10x197/116	A991002V000S	285	185	0,093	10x285/185
10,5	A991051V000S	197	116	0,100	10,5x197/116	A991052V000S	285	185	0,095	10,5x285/185
11,0	A991101V000S	206	125	0,109	11x206/125	A991102V000S	300	195	0,102	11x300/195
11,5	A991151V000S	206	125	0,115	11,5x206/125	A991152V000S	300	195	0,107	11,5x300/195
12,0	A991201V000S	215	134	0,117	12x215/134	A991202V000S	310	205	0,125	12x310/205
12,5	A991251V000S	215	134	0,124	12,5x215/134	A991252V000S	310	205	0,132	12,5x310/205
13,0	A991301V000S	215	134	0,136	13x215/134	A991302V000S	310	205	0,139	13x310/205
13,5	A991351V000S	223	142	0,197	13,5x223/142	A991352V000S	325	220	0,151	13,5x325/220
14,0	A991401V000S	223	142	0,159	14x223/142	A991402F000S	325	220	0,209	14x325/220
14,5	A991451F000S	245	147	0,25	14,5x245/147	A991452F000S	340	220	0,3	14,5x340/220
15,0	A991501F000S	245	147	0,259	15x245/147	A991502F000S	340	220	0,312	15x340/220
15,5	A991551F000S	251	153	0,273	15,5x251/153	A991552F000S	355	230	0,332	15,5x355/230
16,0	A991601F000S	251	153	0,238	16x251/153	A991602F000S	355	230	0,346	16x355/230
16,5	A991651F000S	257	159	0,257	16,5x257/159	A991652F000S	355	230	0,360	16,5x355/230
17,0	A991701F000S	257	159	0,309	17x257/159	A991702F000S	355	230	0,375	17x355/230
17,5	A991751F000S	263	165	0,326	17,5x263/165	A991752F000S	370	245	0,405	17,5x370/245
18,0	A991801F000S	263	165	0,337	18x263/165	A991802F000S	370	245	0,421	18x370/245
18,5	A991851F000S	269	171	0,356	18,5x269/171	A991852F000S	370	245	0,437	18,5x370/245
19,0	A991901F000S	269	171	0,369	19x269/171	A991902F000S	370	245	0,455	19x370/245
19,5	A991951F000S	275	177	0,389	19,5x275/177	A991952F000S	385	260	0,491	19,5x385/260
20,0	A992001F000S	275	177	0,403	20x275/177	A992002F000S	385	260	0,510	20x385/260
20,5	A992051F000S	282	184	0,427	20,5x282/184	A992052F000S	385	260	0,529	20,5x385/260
21,0	A992101F000S	282	184	0,442	21x282/184	A992102F000S	385	260	0,550	21x385/260
21,5	A992151F000S	289	191	0,467	21,5x289/191	A992152F000S	405	270	0,585	21,5x405/270
22,0	A992201F000S	289	191	0,484	22x289/191	A992202F000S	405	270	0,607	22x405/270
22,5	A992251F000S	296	198	0,511	22,5x296/198	A992252F000S	405	270	0,629	22,5x405/270
23,0	A992301F000S	296	198	0,529	23x296/198	A992302F000S	405	270	0,652	23x405/270
23,5	A992351F000S	319	198	0,687	23,5x319/198	A992352F000S	425	270	0,815	23,5x425/270
24,0	A992401F000S	327	206	0,720	24x327/206	A992402F000S	440	290	0,875	24x440/290
24,5	A992451F000S	327	206	0,739	24,5x327/206	A992452F000S	440	290	0,901	24,5x440/290
25,0	A992501F000S	327	206	0,759	25x327/206	A992502F000S	440	290	0,928	25x440/290
25,5	A992551F000S	335	214	0,795	25,5x335/214	A992552F000S	440	290	0,954	25,5x440/290
26,0	A992601F000S	335	214	0,816	26x335/214	A992602F000S	440	290	0,982	26x440/290
26,5	A992651F000S	335	214	0,838	26,5x335/214	A992652F000S	440	290	1,009	26,5x440/290
27,0	A992701F000S	343	222	0,879	27x343/222	A992702F000S	460	305	1,073	27x460/305
27,5	A992751F000S	343	222	0,901	27,5x343/222	A992752F000S	460	305	1,103	27,5x460/305
28,0	A992801F000S	343	222	0,925	28x343/222	A992802F000S	460	305	1,135	28x460/305
28,5	A992851F000S	351	230	0,969	28,5x351/230	A992852F000S	460	305	1,166	28,5x460/305
29,0	A992901F000S	351	230	0,995	29x351/230	A992902F000S	460	305	1,198	29x460/305
29,5	A992951F000S	351	230	1,020	29,5x351/230	A992952F000S	460	305	1,230	29,5x460/305
30,0	A993001F000S	351	230	1,046	30x351/230	A993002F000S	460	305	1,263	30x460/305
31,0	A993101F000S	360	239	1,127	31x360/239	A993102F000S	480	320	1,378	31x480/320
32,0	A993201F000S	397	248	1,435	32x397/248	A993202F000S	505	320	1,673	32x505/320
33,0	A993301F000S	397	248	1,495	33x397/248	A993302F000S	505	320	1,748	33x505/320
34,0	A993401F000S	406	257	1,591	34x406/257	A993402F000S	530	340	1,900	34x530/340
35,0	A993501F000S	406	257	1,657	35x406/257	A993502F000S	530	340	1,985	35x530/340
36,0	A993601F000S	416	267	1,767	36x416/267	A993602F000S	530	340	2,071	36x530/340
37,0	A993701F000S	416	267	1,839	37x416/267	A993702F000S	530	340	2,161	37x530/340
38,0	A993801F000S	426	277	1,960	38x426/277	A993802F000S	555	360	2,346	38x555/360

➔





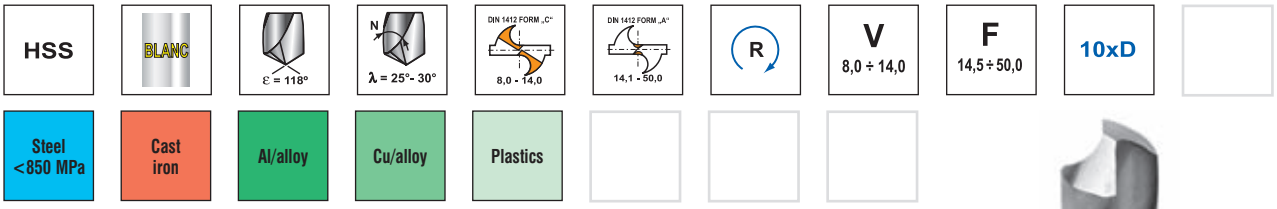




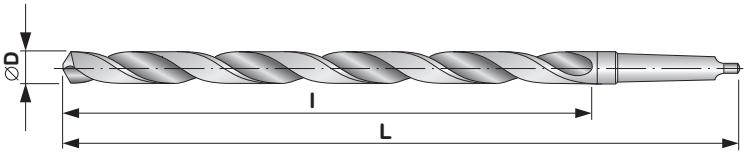

ZV 5001

DIN 341 RN
DIN 1870 RN

VRTÁKY S KUŽELOVOU STOPKOU ZVLÁŠŤ DLOUHÉ
EXTRA LONG TAPER SHANK DRILLS
SPIRALBOHRER, EXTRA LANG, MIT MORSEKEGELSCHAFT



∅D= 8,00÷14,00 ~ MORSE 1
∅D=14,25÷23,00 ~ MORSE 2
∅D=23,50÷31,00 ~ MORSE 3
∅D=32,00÷50,00 ~ MORSE 4





∅D mm	délkové provedení 1 / DIN 341 Objednací číslo Order No. Bestell-Nr.	L mm	l mm	kg	Code ZV 5001	délkové provedení 2 / DIN 1870 series 1 / Reihe 1 Objednací číslo Order No. Bestell-Nr.	L mm	l mm	kg	Code ZV 5001
39,0	A993901F000S	426	277	2,038	39x426/277	A993902F000S	555	360	2,445	39x555/360
40,0	A994001F000S	426	277	2,119	40x426/277	A994002F000S	555	360	2,547	40x555/360
41,0	A994101F000S	436	287	2,256	41x436/287	A994102F000S	555	360	2,651	41x555/360
42,0	A994201F000S	436	287	2,343	42x436/287	A994202F000S	555	360	2,758	42x555/360
43,0	A994301F000S	447	298	2,498	43x447/298	A994302F000S	585	385	3,016	43x585/385
44,0	A994401F000S	447	298	2,593	44x447/298	A994402F000S	585	385	3,136	44x585/385
45,0	A994501F000S	447	298	2,69	45x447/298	A994502F000S	585	385	3,257	45x585/385
46,0	A994601F000S	459	310	2,87	46x459/310	A994602F000S	585	385	3,382	46x585/385
47,0	A994701F000S	459	310	2,975	47x459/310	A994702F000S	585	385	3,509	47x585/385
48,0	A994801F000S	470	321	3,082	48x470/321	A994802F000S	605	405	3,787	48x605/405
49,0	A994901F000S	470	321	3,277	49x470/321	A994902F000S	605	405	3,926	49x605/405
50,0	A995001F000S	470	321	3,397	50x470/321	A995002F000S	605	405	4,075	50x605/405

Poznámka / Note / Notiz: ostatní neuvedené rozměry na poptávku / other dimensions - on request / nicht angegebene Abmessungen nur auf Anfrage

∅D mm	délkové provedení 3 / DIN 1870 series 2 / Reihe 2 Objednací číslo Order No. Bestell-Nr.	L mm	l mm	kg	Code ZV 5001
10,0	A991003V000S	360	235	0,133	10x360/235
10,5	A991053V000S	360	235	0,142	10,5x360/235
11,0	A991103V000S	375	250	0,158	11x375/250
11,5	A991153V000S	375	250	0,168	11,5x375/250
12,0	A991203V000S	395	260	0,184	12x395/260
12,5	A991253V000S	395	260	0,195	12,5x395/260
13,0	A991303V000S	395	260	0,208	13x395/260
13,5	A991353V000S	410	275	0,229	13,5x410/275
14,0	A991403F000S	410	275	0,234	14x410/275
14,5	A991453F000S	425	275	0,337	14,5x425/275
15,0	A991503F000S	425	275	0,352	15x425/275
15,5	A991553F000S	445	295	0,383	15,5x445/295
16,0	A991603F000S	445	295	0,400	16x445/295
16,5	A991653F000S	445	295	0,417	16,5x445/295
17,0	A991703F000S	445	295	0,435	17x445/295
17,5	A991753F000S	465	310	0,469	17,5x465/310
18,0	A991803F000S	465	310	0,489	18x465/310
18,5	A991853F000S	465	310	0,465	18,5x465/310
19,0	A991903F000S	465	310	0,53	19x465/310
19,5	A991953F000S	490	325	0,57	19,5x490/325
20,0	A992003F000S	490	325	0,594	20x490/325
20,5	A992053F000S	490	325	0,617	20,5x490/325
21,0	A992103F000S	490	325	0,642	21x490/325
21,5	A992153F000S	515	345	0,696	21,5x515/345
22,0	A992203F000S	515	345	0,724	22x515/345
22,5	A992253F000S	515	345	0,751	22,5x515/345
23,0	A992303F000S	515	345	0,779	23x515/345
23,5	A992353F000S	535	345	0,948	23,5x535/345
24,0	A992403F000S	555	365	1,015	24x555/365
24,5	A992453F000S	555	365	1,046	24,5x555/365
25,0	A992503F000S	555	365	1,079	25x555/365

∅D mm	délkové provedení 3 / DIN 1870 series 2 / Reihe 2 Objednací číslo Order No. Bestell-Nr.	L mm	l mm	kg	Code ZV 5001
25,5	A992553F000S	555	365	1,117	25,5x555/365
26,0	A992603F000S	555	365	1,145	26x555/365
26,5	A992653F000S	555	365	1,179	26,5x555/365
27,0	A992703F000S	580	385	1,261	27x580/385
27,5	A992753F000S	580	385	1,298	27,5x580/385
28,0	A992803F000S	580	385	1,337	28x580/385
28,5	A992853F000S	580	385	1,375	28,5x580/385
29,0	A992903F000S	580	385	1,145	29x580/385
29,5	A992953F000S	580	385	1,454	29,5x580/385
30,0	A993003F000S	580	385	1,495	30x580/385
31,0	A993103F000S	610	410	1,656	31x610/410
32,0	A993203F000S	635	410	1,969	32x635/410
33,0	A993303F000S	635	410	2,064	33x635/410
34,0	A993403F000S	665	430	2,235	34x665/430
35,0	A993503F000S	665	430	2,340	35x665/430
36,0	A993603F000S	665	430	2,447	36x665/430
37,0	A993703F000S	665	430	2,557	37x665/430
38,0	A993803F000S	695	460	2,811	38x695/460
39,0	A993903F000S	695	460	2,934	39x695/460
40,0	A994003F000S	695	460	3,062	40x695/460
41,0	A994103F000S	695	460	3,192	41x695/460
42,0	A994203F000S	695	460	3,326	42x695/460
43,0	A994303F000S	735	490	3,641	43x735/490
44,0	A994403F000S	735	490	3,790	44x735/490
45,0	A994503F000S	735	490	3,942	45x735/490
46,0	A994603F000S	735	490	4,097	46x735/490
47,0	A994703F000S	735	490	4,255	47x735/490
48,0	A994803F000S	765	510	4,64	48x765/510
49,0	A994903F000S	765	510	4,815	49x765/510
50,0	A995003F000S	765	510	5,002	50x765/510

Poznámka / Note / Notiz: ostatní neuvedené rozměry na poptávku / other dimensions - on request / nicht angegebene Abmessungen nur auf Anfrage



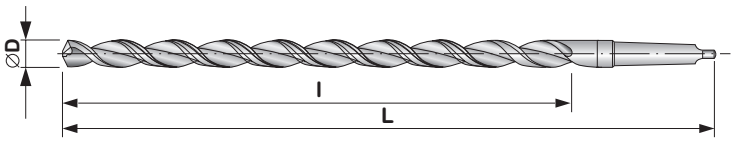
VRTÁKY S KUŽELOVOU STOPKOU ZVLÁŠŤ DLOUHÉ, PRO TĚŽKO OBROBITELNÉ MATERIÁLY
COBALT EXTRA LONG TAPER SHANK DRILLS
SPIRALBOHRER, EXTRA LANG, FÜR SCHWER ZERSPANBARE WERKSTOFFE, MIT MORSEKEGELSCHAFT

ZV 5001 – T 1000

DIN 341 GT100
DIN 1870 GT100

HSSCo5	BLANC	ε = 128°	W, λ = 35°- 40°	T1000 (GT 100)	DIN 1412, FORM „C"	R	V	10xD		
Steel <1200 MPa	Stainless steel	Cast iron	Al/alloy	Cu/alloy						

∅D= 8,00÷14,00 ~ MORSE 1





∅D mm	délkové provedení 1 / DIN 341 Objednací číslo Order No. Bestell-Nr.	L mm	l mm	kg	Code ZV 5001 T1000	délkové provedení 2 / DIN 1870 series 1 / Reihe 1 Objednací číslo Order No. Bestell-Nr.	L mm	l mm	kg	Code ZV 5001 T1000
8,0	A990801G400S	181	100	0,087	8x181/100	**A990802G400S**	**265**	**165**	**0,093**	**8x265/165**
8,5	A990851G400S	181	100	0,09	8,5x181/100	A990852G400S	265	165	0,095	8,5x265/165
9,0	A990901G400S	188	107	0,093	9x188/107	A990902G400S	275	175	0,102	9x275/175
9,5	A990951G400S	188	107	0,096	9,5x188/107	A990952G400S	275	175	0,107	9,5x275/175
10,0	**A991001G400S**	**197**	**116**	**0,099**	**10x197/116**	**A991002G400S**	**285**	**185**	**0,117**	**10x285/185**
10,5	A991051G400S	197	116	0,1	10,5x197/116	A991052G400S	285	185	0,124	10,5x285/185
11,0	A991101G400S	206	125	0,109	11x206/125	A991102G400S	300	195	0,136	11x300/195
11,5	A991151G400S	206	125	0,115	11,5x206/125	A991152G400S	300	195	0,145	11,5x300/195
12,0	**A991201G400S**	**215**	**134**	**0,125**	**12x215/134**	**A991202G400S**	**310**	**205**	**0,158**	**12x310/205**
12,5	A991251G400S	215	134	0,132	12,5x215/134	A991252G400S	310	205	0,158	12,5x310/205
13,0	A991301G400S	215	134	0,139	13x215/134	A991302G400S	310	205	0,178	13x310/205
13,5	A991351G400S	223	142	0,151	13,5x223/142	A991352G400S	325	220	0,197	13,5x325/220
14,0	**A991401G400S**	**223**	**142**	**0,159**	**14x223/142**	**A991402G400S**	**325**	**220**	**0,209**	**14x325/220**
14,5	A991451G400S	245	147	0,250	14,5x245/147	A991452G400S	340	220	0,300	14,5x340/220
15,0	A991501G400S	245	147	0,259	15x245/147	**A991502G400S**	**340**	**220**	**0,312**	**15x340/220**
15,5	A991551G400S	251	153	0,273	15,5x251/153	A991552G400S	355	230	0,332	15,5x355/230
16,0	**A991601G400S**	**251**	**153**	**0,283**	**16x251/153**	**A991602G400S**	**355**	**230**	**0,346**	**16x355/230**
16,5	A991651G400S	257	159	0,297	16,5x257/159	A991652G400S	355	230	0,360	16,5x355/230
17,0	A991701G400S	257	159	0,309	17x257/159	A991702G400S	355	230	0,375	17x355/230
17,5	A991751G400S	263	165	0,326	17,5x263/165	A991752G400S	370	245	0,405	17,5x370/245
18,0	A991801G400S	263	165	0,337	18x263/165	A991802G400S	370	245	0,421	18x370/245
18,5	A991851G400S	269	171	0,356	18,5x269/171	A991852G400S	370	245	0,437	18,5x370/245
19,0	A991901G400S	269	171	0,369	19x269/171	**A991902G400S**	**370**	**245**	**0,455**	**19x370/245**
19,5	A991951G400S	275	177	0,389	19,5x275/177	A991952G400S	385	260	0,491	19,5x385/260
20,0	**A992001G400S**	**275**	**177**	**0,403**	**20x275/177**	A992002G400S	385	260	0,510	20x385/260

∅D mm	délkové provedení 3 / DIN 1870 series 2 / Reihe 2 Objednací číslo Order No. Bestell-Nr.	L mm	l mm	kg	Code ZV 5001 T1000
14,0	A991403G400S	410	275	0,234	14x410/275
14,5	A991453G400S	425	275	0,337	14,5x425/275
15,0	A991503G400S	425	275	0,352	15x425/275
15,5	A991553G400S	445	295	0,383	15,5x445/295
16,0	A991603G400S	445	295	0,400	16x445/295
16,5	A991653G400S	445	295	0,417	16,5x445/295
17,0	A991703G400S	445	295	0,435	17x445/295
17,5	A991753G400S	465	310	0,469	17,5x465/310
18,0	A991803G400S	465	310	0,489	18x465/310
18,5	A991853G400S	465	310	0,510	18,5x465/310
19,0	A991903G400S	465	310	0,530	19x465/310
19,5	A991953G400S	490	325	0,570	19,5x490/325
20,0	A992003G400S	490	325	0,594	20x490/325

Poznámka / Note / Notiz: ostatní neuvedené rozměry na poptávku / other dimensions - on request / nicht angegebene Abmessungen nur auf Anfrage

