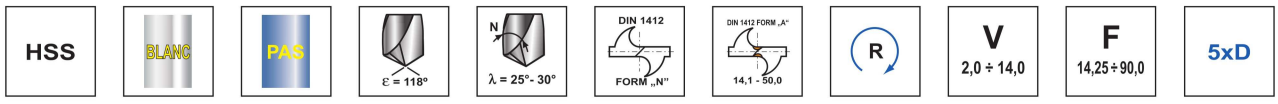
ČSN 221140

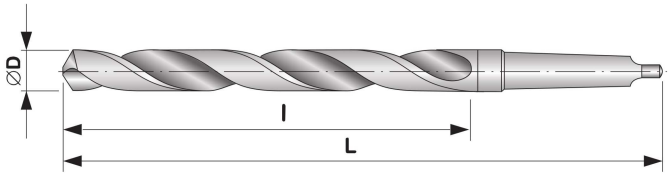
DIN 345 RN

VRTÁKY S KUŽELOVOU STOPKOU
TAPER SHANK DRILLS
KURZE SPIRALBOHRER MIT MORSEKEGELSCHAFT





∅D= 2,00÷14,00 ~ MORSE 1
∅D=14,25÷23,00 ~ MORSE 2
∅D=23,25÷31,75 ~ MORSE 3
∅D=32,00÷50,50 ~ MORSE 4
∅D=51,00÷76,00 ~ MORSE 5
∅D=77,00÷90,00 ~ MORSE 6



Objednací číslo Order No. Bestell-Nr.	∅D mm	L mm	l mm	kg	Code 221140
A400200V500S	2,0	108	24	0,0474	2x108/24
A400220V500S	2,2	108	27	0,0474	2,2x108/27
A400250V500S	2,5	111	30	0,0477	2,5x111/30
A400280V500S	2,8	114	33	0,0483	2,8x114/33
A400300V500S	3,0	114	33	0,0490	3x114/33
A400320V500S	3,2	117	36	0,0493	3,2x117/36
A400350V500S	3,5	120	39	0,0500	3,5x120/39
A400380V500S	3,8	124	43	0,0505	3,8x124/43
A400400V500S	4,0	124	43	0,0508	4x124/43
A400420V500S	4,2	124	43	0,0515	4,2x124/43
A400450V500S	4,5	128	47	0,0525	4,5x128/47
A400480V500S	4,8	133	52	0,0535	4,8x133/52
A400500V000S	5,0	133	52	0,055	5x133/52
A400510V000S	5,1	133	52	0,056	5,1x133/52
A400520V000S	5,2	133	52	0,056	5,2x133/52
A400525V000S	5,25	133	52	0,056	5,25x133/52
A400530V000S	5,3	133	52	0,056	5,3x133/52
A400540V000S	5,4	138	57	0,056	5,4x138/57
A400550V000S	5,5	138	57	0,057	5,5x138/57
A400560V000S	5,6	138	57	0,057	5,6x138/57
A400570V000S	5,7	138	57	0,057	5,7x138/57
A400575V000S	5,75	138	57	0,057	5,75x138/57
A400580V000S	5,8	138	57	0,058	5,8x138/57
A400590V000S	5,9	138	57	0,058	5,9x138/57
A400600V000S	6,0	138	57	0,058	6x138/57
A400610V000S	6,1	144	63	0,06	6,1x144/63
A400620V000S	6,2	144	63	0,06	6,2x144/63
A400625V000S	6,25	144	63	0,06	6,25x144/63
A400630V000S	6,3	144	63	0,06	6,3x144/63
A400640V000S	6,4	144	63	0,061	6,4x144/63
A400650V000S	6,5	144	63	0,062	6,5x144/63
A400660V000S	6,6	144	63	0,062	6,6x144/63
A400670V000S	6,7	144	63	0,062	6,7x144/63
A400675V000S	6,75	150	69	0,063	6,75x150/69
A400680V000S	6,8	150	69	0,063	6,8x150/69
A400690V000S	6,9	150	69	0,064	6,9x150/69
A400700V000S	7,0	150	69	0,064	7x150/69
A400710V000S	7,1	150	69	0,065	7,1x150/69
A400720V000S	7,2	150	69	0,065	7,2x150/69
A400725V000S	7,25	150	69	0,066	7,25x150/69
A400730V000S	7,3	150	69	0,067	7,3x150/69
A400740V000S	7,4	150	69	0,067	7,4x150/69
A400750V000S	7,5	150	69	0,067	7,5x150/69
A400760V000S	7,6	156	75	0,067	7,6x156/75
A400770V000S	7,7	156	75	0,067	7,7x156/75
A400775V000S	7,75	156	75	0,067	7,75x156/75
A400780V000S	7,8	156	75	0,068	7,8x156/75
A400790V000S	7,9	156	75	0,068	7,9x156/75
A400800V000S	8,0	156	75	0,068	8x156/75
A400810V000S	8,1	156	75	0,069	8,1x156/75
A400820V000S	8,2	156	75	0,069	8,2x156/75
A400825V000S	8,25	156	75	0,069	8,25x156/75
A400830V000S	8,3	156	75	0,069	8,3x156/75
A400840V000S	8,4	156	75	0,069	8,4x156/75
A400850V000S	8,5	156	75	0,07	8,5x156/75

Objednací číslo Order No. Bestell-Nr.	∅D mm	L mm	l mm	kg	Code 221140
A400860V000S	8,6	162	81	0,07	8,6x162/81
A400870V000S	8,7	162	81	0,071	8,7x162/81
A400875V000S	8,75	162	81	0,072	8,75x162/81
A400880V000S	8,8	162	81	0,073	8,8x162/81
A400890V000S	8,9	162	81	0,074	8,9x162/81
A400900V000S	9,0	162	81	0,075	9x162/81
A400910V000S	9,1	162	81	0,076	9,1x162/81
A400920V000S	9,2	162	81	0,076	9,2x162/81
A400925V000S	9,25	162	81	0,077	9,25x162/81
A400930V000S	9,3	162	81	0,078	9,3x162/81
A400940V000S	9,4	162	81	0,078	9,4x162/81
A400950V000S	9,5	162	81	0,079	9,5x162/81
A400960V000S	9,6	168	87	0,08	9,6x168/87
A400970V000S	9,7	168	87	0,081	9,7x168/87
A400975V000S	9,75	168	87	0,082	9,75x168/87
A400980V000S	9,8	168	87	0,083	9,8x168/87
A400990V000S	9,9	168	87	0,085	9,9x168/87
A401000V000S	10,0	168	87	0,086	10x168/87
A401010V000S	10,1	168	87	0,087	10,1x168/87
A401020V000S	10,2	168	87	0,088	10,2x168/87
A401025V000S	10,25	168	87	0,088	10,25x168/87
A401030V000S	10,3	168	87	0,089	10,3x168/87
A401040V000S	10,4	168	87	0,089	10,4x168/87
A401050V000S	10,5	168	87	0,09	10,5x168/87
A401060V000S	10,6	168	87	0,091	10,6x168/87
A401070V000S	10,7	175	94	0,092	10,7x175/94
A401075V000S	10,75	175	94	0,093	10,75x175/94
A401080V000S	10,8	175	94	0,094	10,8x175/94
A401090V000S	10,9	175	94	0,095	10,9x175/94
A401100V000S	11,0	175	94	0,096	11x175/94
A401110V000S	11,1	175	94	0,096	11,1x175/94
A401120V000S	11,2	175	94	0,098	11,2x175/94
A401125V000S	11,25	175	94	0,099	11,25x175/94
A401130V000S	11,3	175	94	0,1	11,3x175/94
A401140V000S	11,4	175	94	0,103	11,4x175/94
A401150V000S	11,5	175	94	0,105	11,5x175/94
A401160V000S	11,6	175	94	0,107	11,6x175/94
A401170V000S	11,7	175	94	0,107	11,7x175/94
A401175V000S	11,75	175	94	0,107	11,75x175/94
A401180V000S	11,8	175	94	0,108	11,8x175/94
A401190V000S	11,9	182	101	0,11	11,9x182/101
A401200V000S	12,0	182	101	0,112	12x182/101
A401210V000S	12,1	182	101	0,115	12,1x182/101
A401220V000S	12,2	182	101	0,115	12,2x182/101
A401225V000S	12,25	182	101	0,115	12,25x182/101
A401230V000S	12,3	182	101	0,116	12,3x182/101
A401240V000S	12,4	182	101	0,117	12,4x182/101
A401250V000S	12,5	182	101	0,118	12,5x182/101
A401260V000S	12,6	182	101	0,119	12,6x182/101
A401270V000S	12,7	182	101	0,12	12,7x182/101
A401275V000S	12,75	182	101	0,12	12,75x182/101
A401280V000S	12,8	182	101	0,12	12,8x182/101
A401290V000S	12,9	182	101	0,122	12,9x182/101
A401300V000S	13,0	182	101	0,123	13x182/101

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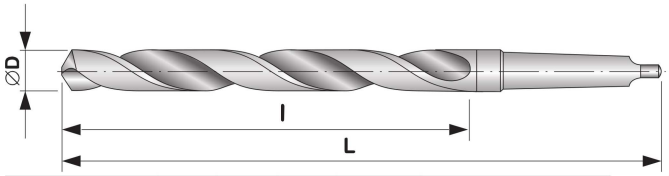


VRTÁKY S KUŽELOVOU STOPKOU
TAPER SHANK DRILLS
KURZE SPIRALBOHRER MIT MORSEKEGELSCHAFT

ČSN 221140 — DIN 345 RN

HSS	BLANC	PAS	ε = 118°	λ = 25°- 30°	DIN 1412 FORM „N"	DIN 1412 FORM „A" 14,1 - 50,0	R	V 2,0 ÷ 14,0	F 14,25÷90,0	5xD
Steel <850 MPa	Cast iron	Al/alloy	Cu/alloy	Plastics						

∅D= 2,00÷14,00 ~ MORSE 1
∅D=14,25÷23,00 ~ MORSE 2
∅D=23,25÷31,75 ~ MORSE 3
∅D=32,00÷50,50 ~ MORSE 4
∅D=51,00÷76,00 ~ MORSE 5
∅D=77,00÷90,00 ~ MORSE 6

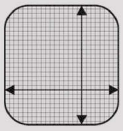




Objednací číslo Order No. Bestell-Nr.	∅D mm	L mm	l mm	kg	Code 221140
A401310V000S	13,1	182	101	0,124	13,1x182/101
A401320V000S	13,2	182	101	0,125	13,2x182/101
A401325V000S	13,25	189	108	0,126	13,25x189/108
A401330V000S	13,3	189	108	0,128	13,3x189/108
A401340V000S	13,4	189	108	0,129	13,4x189/108
A401350V000S	13,5	189	108	0,13	13,5x189/108
A401360V000S	13,6	189	108	0,131	13,6x189/108
A401370V000S	13,7	189	108	0,132	13,7x189/108
A401375V000S	13,75	189	108	0,133	13,75x189/108
A401380V000S	13,8	189	108	0,135	13,8x189/108
A401390V000S	13,9	189	108	0,135	13,9x189/108
A401400V000S	14,0	189	108	0,136	14x189/108
A401425F000S	14,25	212	114	0,139	14,25x212/114
A401450F000S	14,5	212	114	0,142	14,5x212/114
A401475F000S	14,75	212	114	0,149	14,75x212/114
A401500F000S	15,0	212	114	0,16	15x212/114
A401525F000S	15,25	218	120	0,17	15,25x218/120
A401550F000S	15,5	218	120	0,18	15,5x218/120
A401575F000S	15,75	218	120	0,19	15,75x218/120
A401600F000S	16,0	218	120	0,21	16x218/120
A401625F000S	16,25	223	125	0,235	16,25x223/125
A401650F000S	16,5	223	125	0,247	16,5x223/125
A401675F000S	16,75	223	125	0,258	16,75x223/125
A401700F000S	17,0	223	125	0,269	17x223/125
A401725F000S	17,25	228	130	0,285	17,25x228/130
A401750F000S	17,5	228	130	0,291	17,5x228/130
A401775F000S	17,75	228	130	0,295	17,75x228/130
A401800F000S	18,0	228	130	0,3	18x228/130
A401825F000S	18,25	233	135	0,306	18,25x233/135
A401850F000S	18,5	233	135	0,312	18,5x233/135
A401875F000S	18,75	233	135	0,316	18,75x233/135
A401900F000S	19,0	233	135	0,32	19x233/135
A401925F000S	19,25	238	140	0,325	19,25x238/140
A401950F000S	19,5	238	140	0,334	19,5x238/140
A401975F000S	19,75	238	140	0,345	19,75x238/140
A402000F000S	20,0	238	140	0,35	20x238/140
A402025F000S	20,25	243	145	0,36	20,25x243/145
A402050F000S	20,5	243	145	0,38	20,5x243/145
A402075F000S	20,75	243	145	0,395	20,75x243/145
A402100F000S	21,0	243	145	0,415	21x243/145
A402125F000S	21,25	248	150	0,419	21,25x248/150
A402150F000S	21,5	248	150	0,424	21,5x248/150
A402175F000S	21,75	248	150	0,43	21,75x248/150
A402200F000S	22,0	248	150	0,455	22x248/150
A402225F000S	22,25	248	150	0,48	22,25x248/150
A402250F000S	22,5	253	155	0,495	22,5x253/155
A402275F000S	22,75	253	155	0,52	22,75x253/155
A402300F000S	23,0	253	155	0,56	23x253/155
A402325F000S	23,25	276	155	0,6	23,25x276/155
A402350F000S	23,5	276	155	0,62	23,5x276/155
A402375F000S	23,75	281	160	0,64	23,75x281/160
A402400F000S	24,0	281	160	0,66	24x281/160
A402425F000S	24,25	281	160	0,684	24,25x281/160
A402450F000S	24,5	281	160	0,715	24,5x281/160
A402475F000S	24,75	281	160	0,715	24,75x281/160

Objednací číslo Order No. Bestell-Nr.	∅D mm	L mm	l mm	kg	Code 221140
A402500F000S	25,0	281	160	0,719	25x281/160
A402525F000S	25,25	286	165	0,722	25,25x286/165
A402550F000S	25,5	286	165	0,722	25,5x286/165
A402575F000S	25,75	286	165	0,727	25,75x286/165
A402600F000S	26,0	286	165	0,736	26x286/165
A402625F000S	26,25	286	165	0,74	26,25x286/165
A402650F000S	26,5	286	165	0,755	26,5x286/165
A402675F000S	26,75	291	170	0,765	26,75x291/170
A402700F000S	27,0	291	170	0,775	27x291/170
A402725F000S	27,25	291	170	0,788	27,25x291/170
A402750F000S	27,5	291	170	0,796	27,5x291/170
A402775F000S	27,75	291	170	0,81	27,75x291/170
A402800F000S	28,0	291	170	0,82	28x291/170
A402825F000S	28,25	296	175	0,83	28,25x296/175
A402850F000S	28,5	296	175	0,85	28,5x296/175
A402875F000S	28,75	296	175	0,865	28,75x296/175
A402900F000S	29,0	296	175	0,88	29x296/175
A402925F000S	29,25	296	175	0,895	29,25x296/175
A402950F000S	29,5	296	175	0,915	29,5x296/175
A402975F000S	29,75	296	175	0,925	29,75x296/175
A403000F000S	30,0	296	175	0,935	30x296/175
A403025F000S	30,25	301	180	0,945	30,25x301/180
A403050F000S	30,5	301	180	0,955	30,5x301/180
A403075F000S	30,75	301	180	0,968	30,75x301/180
A403100F000S	31,0	301	180	1,005	31x301/180
A403125F000S	31,25	301	180	1,015	31,25x301/180
A403150F000S	31,5	301	180	1,025	31,5x301/180
A403175F000S	31,75	306	185	1,038	31,75x306/185
A403200F000S	32,0	334	185	1,07	32x334/185
A403250F000S	32,5	334	185	1,095	32,5x334/185
A403300F000S	33,0	334	185	1,195	33x334/185
A403350F000S	33,5	334	185	1,23	33,5x334/185
A403400F000S	34,0	339	190	1,32	34x339/190
A403450F000S	34,5	339	190	1,465	34,5x339/190
A403500F000S	35,0	339	190	1,51	35x339/190
A403550F000S	35,5	339	190	1,56	35,5x339/190
A403600F000S	36,0	344	195	1,61	36x344/195
A403650F000S	36,5	344	195	1,67	36,5x344/195
A403700F000S	37,0	344	195	1,71	37x344/195
A403750F000S	37,5	344	195	1,76	37,5x344/195
A403800F000S	38,0	349	200	1,79	38x349/200
A403850F000S	38,5	349	200	1,82	38,5x349/200
A403900F000S	39,0	349	200	1,84	39x349/200
A403950F000S	39,5	349	200	1,86	39,5x349/200
A404000F000S	40,0	349	200	1,88	40x349/200
A404050F000S	40,5	354	205	1,89	40,5x354/205
A404100F000S	41,0	354	205	1,9	41x354/205
A404150F000S	41,5	354	205	2,03	41,5x354/205
A404200F000S	42,0	354	205	2,095	42x354/205
A404250F000S	42,5	354	205	2,14	42,5x354/205
A404300F000S	43,0	359	210	2,19	43x359/210
A404350F000S	43,5	359	210	2,21	43,5x359/210
A404400F000S	44,0	359	210	2,23	44x359/210
A404450F000S	44,5	359	210	2,25	44,5x359/210

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M&V StimZet®

Vrtáky s kuželovou stopkou
Taper shank drills
Spiralbohrer mit Morsekegel

ČSN 221140

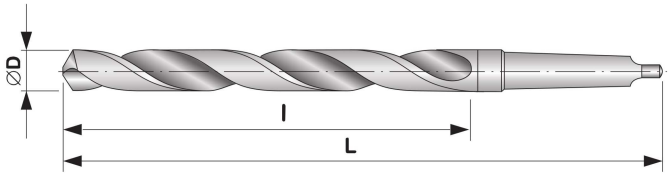
DIN 345 RN

VRTÁKY S KUŽELOVOU STOPKOU
TAPER SHANK DRILLS
KURZE SPIRALBOHRER MIT MORSEKEGELSCHAFT

HSS | BLANC | PAS | ε = 118° | N, λ = 25°- 30° | DIN 1412, FORM „N" | DIN 1412 FORM „A", 14,1 - 50,0 | R | V 2,0 ÷ 14,0 | F 14,25÷90,0 | 5xD

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

∅D= 2,00÷14,00 ~ MORSE 1
∅D=14,25÷23,00 ~ MORSE 2
∅D=23,25÷31,75 ~ MORSE 3
∅D=32,00÷50,50 ~ MORSE 4
∅D=51,00÷76,00 ~ MORSE 5
∅D=77,00÷90,00 ~ MORSE 6





Objednací číslo Order No. Bestell-Nr.	∅D mm	L mm	l mm	kg	Code 221140
A404500F000S	45,0	359	210	2,3	45x359/210
A404550F000S	45,5	364	215	2,335	45,5x364/215
A404600F000S	46,0	364	215	2,41	46x364/215
A404650F000S	46,5	364	215	2,498	46,5x364/215
A404700F000S	47,0	364	215	2,58	47x364/215
A404750F000S	47,5	364	215	2,65	47,5x364/215
A404800F000S	48,0	369	220	2,695	48x369/220
A404850F000S	48,5	369	220	2,778	48,5x369/220
A404900F000S	49,0	369	220	2,85	49x369/220
A404950F000S	49,5	369	220	2,91	49,5x369/220
A405000F000S	50,0	369	220	3,25	50x369/220
A405050F000S	50,5	374	225	3,48	50,5x374/225
A405100F000S	51,0	412	225	3,85	51x412/225
A405200F000S	52,0	412	225	4,25	52x412/225
A405300F000S	53,0	412	225	4,295	53x412/225
A405400F000S	54,0	417	230	4,32	54x417/230
A405500F000S	55,0	417	230	4,38	55x417/230
A405600F000S	56,0	417	230	4,415	56x417/230
A405700F000S	57,0	422	235	4,55	57x422/235
A405800F000S	58,0	422	235	4,645	58x422/235
A405900F000S	59,0	422	235	4,76	59x422/235
A406000F000S	60,0	422	235	4,995	60x422/235
A406100F000S	61,0	427	240	5,3	61x427/240
A406200F000S	62,0	427	240	5,36	62x427/240
A406300F000S	63,0	427	240	5,41	63x427/240
A406400F000S	64,0	432	245	5,51	64x432/245

Objednací číslo Order No. Bestell-Nr.	∅D mm	L mm	l mm	kg	Code 221140
A406500F000S	65,0	432	245	5,595	65x432/245
A406600F000S	66,0	432	245	5,72	66x432/245
A406700F000S	67	432	245	5,85	67x432/245
A406800F000S	68	437	250	5,98	68x437/250
A406900F000S	69	437	250	6,12	69x437/250
A407000F000S	70	437	250	6,215	70x437/250
A407100F000S	71	437	250	6,305	71x437/250
A407200F000S	72	442	255	6,61	72x442/255
A407300F000S	73	442	255	6,645	73x442/255
A407400F000S	74	442	255	6,78	74x442/255
A407500F000S	75	442	255	6,91	75x442/255
A407600F000S	76	447	260	7,1	76x447/260
A407700F000S	77	514	260	7,85	77x514/260
A407800F000S	78	514	260	8,45	78x514/260
A407900F000S	79	514	260	8,62	79x514/260
A408000F000S	80	514	260	8,88	80x514/260
A408100F000S	81	519	265	8,95	81x519/265
A408200F000S	82	519	265	9,11	82x519/265
A408300F000S	83	519	265	9,3	83x519/265
A408400F000S	84	519	265	9,32	84x519/265
A408500F000S	85	519	265	9,34	85x519/265
A408600F000S	86	524	270	9,36	86x524/270
A408700F000S	87	524	270	9,38	87x524/270
A408800F000S	88	524	270	10,4	88x524/270
A408900F000S	89	524	270	10,42	89x524/270
A409000F000S	90	524	270	10,46	90x524/270

Poznámka / Note / Notiz: Ø2,0-4,8 - neskladová položka na poptávku / Ø2,0-4,8 - out of stock item on request / Ø2,0-4,8 - Nichtlagerbestände, nur auf Anfrage do Ø100 na poptávku / to Ø100 on request / bis zu Ø100 auf anfrage

