



OSG GROUP COMPANY

Code
<b>2A1</b>

**Properties**

Conical Point Chipbreaker Form  
 Point Conique  
 Forme du Brise-copeaux  
 Konikal Spitze  
 Spanbrecherform  
 Punta Cónico  
 Forma de Rompevirutas  
 Вершина Коническая  
 Стружколомаящая Геометрия

**mm** **DIN** **HSS**  
**inch** **345**

**TYPE** **N** **h8**

**30°** **MTS 1 - 4** **BLUE FINISH**

**Cutting Data**

pg 61

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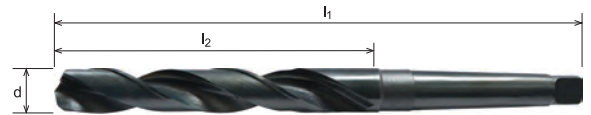
**EN** **MTS Chipbreaker Drills**  
 High performance production drilling.

**FR** **Forets à brise-copeaux MTS**  
 Perçage haute performance productivité.

**DE** **MTS-Spanbrecherbohrer**  
 Hochleistungs-Produktionsbohren.

**ES** **Brocas Mts rompevirutas**  
 Taladrado de producción de elevado rendimiento.

**RU** **Сверла с коническим хвостовиком и стружколомом**  
 Для высокопроизводительного сверления.



P						M				K				Ti			Ni				Cu				N				Syn			
1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	2.1	2.2	2.3	2.4	3.1	3.2	3.3	3.4	4.1	4.2	4.3	5.1	5.2	5.3	6.1	6.2	6.3	6.4	7.1	7.2	7.3	7.4	8.1	8.2	8.3

d		l <sub>2</sub>	l <sub>1</sub>	Code	d		l <sub>2</sub>	l <sub>1</sub>	Code
mm	inch				mm	inch			

**No. 1 Morse Taper Shank | No. 1 Forets à queue Cône Morse | Nr. 1 Morsekegelschaft | Mango en**  
**Соно Morse N.º 1 | Хвостовик с конусом Морзе №. 1**

10		87	168	2A11000	11.906	15/32	101	182	2A11191
10.2		87	168	2A11020	12		101	182	2A11200
10.25		87	168	2A11025	12.2		101	182	2A11220
10.5		87	168	2A11050	12.303	31/64	101	182	2A11231
10.6		87	168	2A11060	12.5		101	182	2A11250
10.75		94	175	2A11075	12.75		101	182	2A11275
11		94	175	2A11100	13		101	182	2A11300
11.112	7/16	94	175	2A11111	13.494	17/32	108	189	2A11349
11.2		94	175	2A11120	13.5		108	189	2A11350
11.5		94	175	2A11150	13.75		108	189	2A11375
11.7		94	175	2A11170	13.891	35/64	108	189	2A11389
11.8		94	175	2A11180	14		108	189	2A11400

**No. 2 Morse Taper Shank | No. 2 Forets à queue Cône Morse | Nr. 2 Morsekegelschaft | Mango en**  
**Соно Morse N.º 2 | Хвостовик с конусом Морзе №. 2**

(14)		114	212	2A11401	18.25		135	233	2A11825
14.2		114	212	2A11420	18.256	23/32	135	233	2A11826
14.25		114	212	2A11425	18.5		135	233	2A11850
14.287	9/16	114	212	2A11429	18.7		135	233	2A11870
14.5		114	212	2A11450	18.75		135	233	2A11875
14.684	37/64	114	212	2A11468	19		135	233	2A11900
14.75		114	212	2A11475	19.050	3/4	140	238	2A11905
15		114	212	2A11500	19.25		140	238	2A11925
15.081	19/32	120	218	2A11508	19.4		140	238	2A11940
15.25		120	218	2A11525	19.447	49/64	140	238	2A11945
15.5		120	218	2A11550	19.5		140	238	2A11950
15.6		120	218	2A11560	19.75		140	238	2A11975
15.75		120	218	2A11575	19.844	25/32	140	238	2A11984
15.875	5/8	120	218	2A11588	20		140	238	2A12000
15.9		120	218	2A11590	20.25		145	243	2A12025
16		120	218	2A11600	20.5		145	243	2A12050
16.1		125	223	2A11610	20.637	13/16	145	243	2A12064
16.25		125	223	2A11625	21		145	243	2A12100
16.3		125	223	2A11630	21.034	53/64	145	243	2A12103
16.5		125	223	2A11650	21.25		150	248	2A12125
16.669	21/32	125	223	2A11667	21.5		150	248	2A12150
16.75		125	223	2A11675	21.828	55/64	150	248	2A12183
17		125	223	2A11700	22		150	248	2A12200
17.25		130	228	2A11725	22.25		150	248	2A12225
17.462	11/16	130	228	2A11746	22.5		155	253	2A12250
17.5		130	228	2A11750	23		155	253	2A12300
18		130	228	2A11800	23.019	29/32	155	253	2A12302
18.2		135	233	2A11820					

**No. 3 Morse Taper Shank | No. 3 Forets à queue Cône Morse | Nr. 3 Morsekegelschaft | Mango en**  
**Соно Morse N.º 3 | Хвостовик с конусом Морзе №. 3**

23.25		155	276	2A12325	26.194	1.1/32	165	286	2A12619
23.416	59/64	155	276	2A12342	26.5		165	286	2A12650
23.5		155	276	2A12350	26.987	1.1/16	170	291	2A12699
23.75		160	281	2A12375	27		170	291	2A12700
23.812	15/16	160	281	2A12381	27.5		170	291	2A12750
24		160	281	2A12400	28		170	291	2A12800
24.5		160	281	2A12450	28.5		175	296	2A12850
25		160	281	2A12500	28.575	1.1/8	175	296	2A12858
25.003	63/64	165	286	2A12499	29		175	296	2A12900
25.25		165	286	2A12525	29.369	1.5/32	175	296	2A12937
25.400	1"	165	286	2A12539	29.5		175	296	2A12950
25.5		165	286	2A12550	30		175	296	2A13000
25.797	1.1/64	165	286	2A12579	31		180	301	2A13100
26		165	286	2A12600					

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MORSE TAPER SHANK DRILLS



shaping your dreams



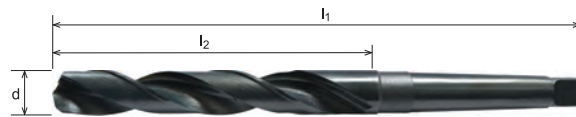
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Properties
<p>Conical Point Chipbreaker Form Point Conique Forme du Brisecopeaux Konikal Spitze Spanbrecherform Punta Cónica Forma de Rompevirutas Вершина Коникал Стружколомающая Геометрия</p>

mm inch	DIN 345	HSS
TYPE N		
		BLUE FINISH

Cutting Data
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P								M				K				Ti			Ni			Cu				N				Syn		
1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	2.1	2.2	2.3	2.4	3.1	3.2	3.3	3.4	4.1	4.2	4.3	5.1	5.2	5.3	6.1	6.2	6.3	6.4	7.1	7.2	7.3	7.4	8.1	8.2	8.3

d		l <sub>2</sub>	l <sub>1</sub>	Code	d		l <sub>2</sub>	l <sub>1</sub>	Code
mm	inch				mm	inch			

No. 3 Morse Taper Shank   No. 3 Forets à queue Cône Morse   Nr. 3 Morsekegelschaft   Mango en Cono Morse N.º 3   Хвостовик с конусом Морзе №. 3										
... from previous page					31.750	1.1/4	185	306	2A13174	
31.5		180	301	2A13150	(32)		185	306	2A13200	
No. 4 Morse Taper Shank   No. 4 Forets à queue Cône Morse   Nr. 4 Morsekegelschaft   Mango en Cono Morse N.º 4   Хвостовик с конусом Морзе №. 4										
32		185	334	2A13201	39		200	349	2A13900	
32.147	1.17/64	185	334	2A13215	39.5		200	349	2A13950	
32.5		185	334	2A13250	40		200	349	2A14000	
33		185	334	2A13300	40.5		205	354	2A14050	
33.337	1.5/16	185	334	2A13334	41		205	354	2A14100	
33.5		185	334	2A13350	42		205	354	2A14200	
34		190	339	2A13400	43		210	359	2A14300	
34.131	1.11/32	190	339	2A13413	44		210	359	2A14400	
34.5		190	339	2A13450	44.450	1.3/4	210	359	2A14445	
34.925	1.3/8	190	339	2A13493	44.5		210	359	2A14450	
35		190	339	2A13500	45		210	359	2A14500	
36		195	344	2A13600	45.5		215	364	2A14550	
36.5		195	344	2A13650	46		215	364	2A14600	
37		195	344	2A13700	47		215	364	2A14700	
38		200	349	2A13800	48		220	369	2A14800	
38.100	1.1/2	200	349	2A13809	49		220	369	2A14900	
38.5		200	349	2A13850	50		220	369	2A15000	

( ) Not to DIN 345  
Non conformes à DIN 345 | Nicht nach DIN 345 | No conforme a DIN 345 | Размер не по DIN 345

Not available once current stock is depleted

