

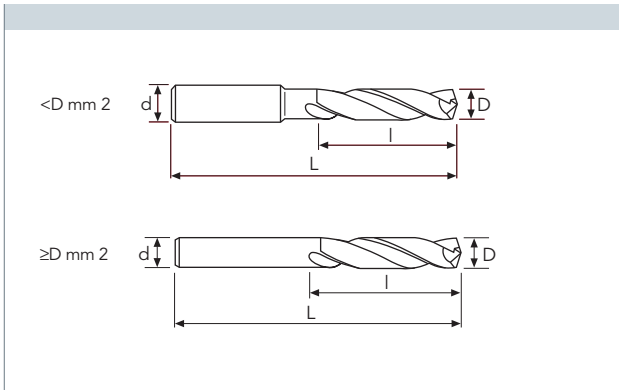
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DIN 6539

3XD

343TA - 318N (h7)

Ø mm	1~3	3.1~6	6.1~10	10.1~18	18.1~20
tol. D µ	0 / -10	0 / -12	0 / -15	0 / -18	0 / -21



MG PV200	MG BR

D(h7)	d(h6)	l	L	Stock	Stock
mm 1.00	2	6	40	●	●
1.10	2	7	40	●	●
1.20	2	8	40	●	●
1.30	2	8	40	●	●
1.40	2	9	40	●	●
1.50	2	9	40	●	●
1.60	2	10	40	●	●
1.70	2	10	40	●	●
1.80	2	11	40	●	●
1.90	2	11	40	●	●
2.00	2	12	40	●	●
2.10	2.1	12	40	●	●
2.20	2.2	13	40	●	●
2.30	2.3	13	46	●	●
2.40	2.4	14	46	●	●
2.50	2.5	14	46	●	●
2.60	2.6	14	46	●	●
2.70	2.7	16	46	●	●
2.80	2.8	16	49	●	●
2.90	2.9	16	49	●	●
3.00	3	16	49	●	●
3.10	3.1	18	49	●	●
3.20	3.2	18	49	●	●
3.30	3.3	18	52	●	●
3.40	3.4	20	52	●	●
3.50	3.5	20	52	●	●
3.60	3.6	20	52	●	●
3.70	3.7	20	52	●	●
3.80	3.8	22	55	●	●
3.90	3.9	22	55	●	●
4.00	4	22	55	●	●
4.10	4.1	22	55	●	●
4.20	4.2	22	55	●	●
4.30	4.3	24	58	●	●
4.40	4.4	24	58	●	○
4.50	4.5	24	58	●	●

● stock standard ○ non-standard stock ■ stock exhaustion

TYPHOON

- C-SD-TA
- LFTA
- SUTA
- HSS-HSS/CO DRILLS
- UH RED
- MEX ORANGE
- HF EVO
- MEF ENDLESS
- ALU
- MDC
- G2
- MDTA
- ULTRA MILLS
- HSS/CO
- CARBIDE BURRS
- PARAMETERS

n **Vf**
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tol. D µ	0 / -10	0 / -12	0 / -15	0 / -18	0 / -21



TA

MG
PV200

140°

30°

TA

MG
BR

140°

30°

D(h7)	d(h6)	l	L	Stock	Stock
mm 4.60	4.6	24	58	●	●
4.70	4.7	24	58	●	●
4.80	4.8	26	62	●	●
4.90	4.9	26	62	●	●
5.00	5	26	62	●	●
5.10	5.1	26	62	●	●
5.20	5.2	26	62	●	●
5.30	5.3	26	66	●	●
5.40	5.4	28	66	●	●
5.50	5.5	28	66	●	●
5.60	5.6	28	66	●	●
5.70	5.7	28	66	●	●
5.80	5.8	28	70	●	●
5.90	5.9	28	70	●	●
6.00	6	28	70	●	●
6.10	6.1	31	70	●	●
6.20	6.2	31	70	●	●
6.30	6.3	31	70	●	●
6.40	6.4	31	70	●	●
6.50	6.5	31	70	●	●
6.60	6.6	31	70	●	○
6.70	6.7	31	70	●	●
6.80	6.8	34	74	●	●
6.90	6.9	34	74	●	●
7.00	7	34	74	●	●
7.10	7.1	34	74	●	○
7.20	7.2	34	74	●	○
7.30	7.3	34	79	●	○
7.40	7.4	34	79	●	○
7.50	7.5	34	79	●	●
7.60	7.6	37	79	●	○
7.70	7.7	37	79	●	○
7.80	7.8	37	79	●	○
7.90	7.9	37	79	●	○
8.00	8	37	79	●	●
8.10	8.1	37	79	●	●

● stock standard ○ non-standard stock ■ stock exhaustion

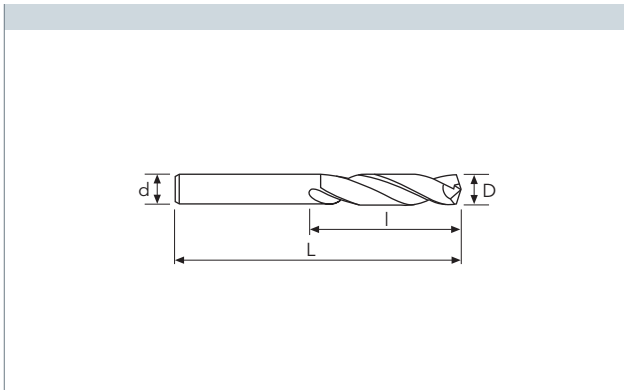
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tol. D µ	0 / -10	0 / -12	0 / -15	0 / -18	0 / -21



MG PV200	MG BR

D(h7)	d(h6)	l	L	Stock	Stock
mm 8.20	8.2	37	79	●	●
8.30	8.3	37	84	●	○
8.40	8.4	37	84	●	○
8.50	8.5	37	84	●	●
8.60	8.6	40	84	●	○
8.70	8.7	40	84	●	●
8.80	8.8	40	84	●	●
8.90	8.9	40	84	●	○
9.00	9	40	84	●	●
9.10	9.1	40	84	●	○
9.20	9.2	40	84	●	●
9.30	9.3	40	89	●	●
9.40	9.4	40	89	●	○
9.50	9.5	40	89	●	●
9.60	9.6	43	89	●	○
9.70	9.7	43	89	●	○
9.80	9.8	43	89	●	●
9.90	9.9	43	89	●	○
10.00	10	43	89	●	●
10.20	10.2	43	89	●	●
10.50	10.5	43	95	●	●
10.80	10.8	47	95	○	●
11.00	11	47	95	●	●
11.20	11.2	47	102	○	○
11.30	11.3	47	102	○	○
11.50	11.5	47	102	●	●
11.80	11.8	47	102	○	○
12.00	12	51	102	●	●
12.20	12.2	51	102	○	○
12.50	12.5	51	103	●	●
12.80	12.8	51	103	○	○
13.00	13	51	103	●	●
13.50	13.5	54	107	●	○
13.80	13.8	54	107	○	○
14.00	14	54	107	●	○
14.50	14.5	56	111	●	○

● stock standard ○ non-standard stock ■ stock exhaustion

TYPHOON

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- MEX ORANGE
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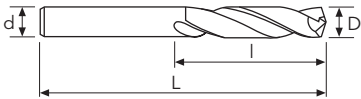










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tol. D µ	0 / -10	0 / -12	0 / -15	0 / -18	0 / -21



	 TA	 TA				
	 MG	 MG				
	 PV200	 BR				
	 140°	 140°				
	 30°	 30°				
D(h7)	d(h6)	l	L	Stock	Stock	
mm 15.00	15	56	111	●		
15.30	15.3	58	115	○		
15.50	15.5	58	115	●		
15.80	15.8	58	115	○		
16.00	16	58	115	●		

● stock standard ○ non-standard stock ■ stock exhaustion

3XD			TYPHOON DRILLS - FEED TABLE 343TA - 353TA - 353HTA - 353SUH - 353ALH - 353HRC								
MATERIAL GROUPS	ISO	N/mm ²	Ø	3-4	4-6	6-8	8-10	10-12	12-14	14-17	17-20
				fn (mm/rev)							
1 2 3 4	P	~700	343TA	0.082~0.101	0.101~0.138	0.138~0.176	0.176~0.213	0.213~0.250	0.250~0.288	0.288~0.344	0.344~0.400
			353TA	0.086~0.106	0.106~0.145	0.145~0.185	0.185~0.224	0.224~0.263	0.263~0.302	0.302~0.361	0.361~0.420
			353HTA	0.108~0.128	0.128~0.167	0.167~0.206	0.206~0.246	0.246~0.285	0.285~0.323	0.323~0.382	0.382~0.441
			353SUH	0.113~0.134	0.134~0.175	0.175~0.216	0.216~0.257	0.257~0.298	0.298~0.339	0.339~0.400	0.400~0.462
3 4 5	P	700~1000	353TA	0.082~0.101	0.101~0.138	0.145~0.185	0.185~0.224	0.224~0.263	0.263~0.302	0.302~0.361	0.361~0.420
			353HTA	0.096~0.117	0.117~0.159	0.167~0.206	0.206~0.246	0.246~0.285	0.285~0.323	0.323~0.382	0.382~0.441
6	P	1000~1300	353SUH	0.101~0.123	0.123~0.167	0.175~0.216	0.216~0.257	0.257~0.298	0.298~0.339	0.339~0.400	0.400~0.462
			353TA	0.069~0.083	0.083~0.110	0.110~0.137	0.137~0.164	0.164~0.191	0.191~0.219	0.219~0.259	0.259~0.300
7	P	40~45HRC	353HTA	0.073~0.087	0.087~0.116	0.116~0.144	0.144~0.173	0.173~0.201	0.201~0.230	0.230~0.272	0.272~0.315
			353SUH	0.077~0.091	0.091~0.122	0.122~0.151	0.151~0.182	0.182~0.211	0.211~0.242	0.242~0.286	0.286~0.331
			353TA	0.024~0.029	0.029~0.038	0.038~0.047	0.047~0.055	0.055~0.064	0.064~0.073	0.073~0.087	0.087~0.100
8	H	45~50HRC	353HTA	0.026~0.032	0.032~0.042	0.042~0.052	0.052~0.061	0.061~0.070	0.070~0.080	0.080~0.096	0.096~0.110
		50~55HRC	353SUH	0.024~0.029	0.029~0.038	0.038~0.047	0.047~0.055	0.055~0.064	0.064~0.073	0.073~0.087	0.087~0.100
		55~62HRC	353HRC	0.024~0.050	0.030~0.080	0.050~0.100	0.060~0.120	0.080~0.140	0.100~0.150	0.120~0.160	0.140~0.180
9 10	M		353HRC	0.022~0.025	0.025~0.032	0.032~0.039	0.039~0.046	0.046~0.053	0.053~0.059	0.059~0.070	0.070~0.080
			353HRC	0.018~0.021	0.021~0.027	0.027~0.033	0.033~0.039	0.039~0.045	0.045~0.052	0.052~0.061	0.061~0.070
11	M		353TA	0.074~0.088	0.088~0.114	0.114~0.141	0.141~0.167	0.167~0.194	0.194~0.220	0.220~0.260	0.260~0.300
			353SUH	0.078~0.092	0.092~0.120	0.120~0.148	0.148~0.175	0.175~0.204	0.204~0.231	0.231~0.273	0.273~0.315
12	M		353TA	0.074~0.088	0.088~0.114	0.114~0.141	0.141~0.167	0.167~0.194	0.194~0.220	0.220~0.260	0.260~0.300
			353SUH	0.078~0.092	0.092~0.120	0.120~0.148	0.148~0.175	0.175~0.204	0.204~0.231	0.231~0.273	0.273~0.315
13	K		353TA	0.056~0.067	0.067~0.090	0.090~0.113	0.113~0.136	0.136~0.159	0.159~0.181	0.181~0.216	0.216~0.250
			353SUH	0.059~0.070	0.070~0.095	0.095~0.119	0.119~0.143	0.143~0.167	0.167~0.190	0.190~0.227	0.227~0.263
14	K		353TA	0.076~0.095	0.095~0.133	0.133~0.171	0.171~0.209	0.209~0.248	0.248~0.286	0.286~0.343	0.343~0.400
			353HTA	0.101~0.125	0.125~0.172	0.172~0.219	0.219~0.266	0.266~0.312	0.312~0.359	0.359~0.430	0.430~0.500
15	N		353SUH	0.106~0.131	0.131~0.181	0.181~0.230	0.230~0.279	0.279~0.328	0.328~0.377	0.377~0.452	0.452~0.525
			353TA	0.072~0.090	0.090~0.127	0.127~0.163	0.163~0.199	0.199~0.235	0.235~0.271	0.271~0.326	0.326~0.380
16	N		353HTA	0.096~0.119	0.119~0.163	0.163~0.208	0.208~0.252	0.252~0.297	0.297~0.341	0.341~0.408	0.408~0.475
			353SUH	0.101~0.125	0.125~0.171	0.171~0.218	0.218~0.265	0.265~0.312	0.312~0.358	0.358~0.428	0.428~0.499
22	S	<35HRC	343TA	0.129~0.155	0.155~0.207	0.207~0.259	0.259~0.311	0.311~0.363	0.363~0.414	0.414~0.492	0.492~0.570
			353ALH	0.152~0.182	0.182~0.242	0.242~0.301	0.301~0.361	0.361~0.422	0.422~0.482	0.482~0.571	0.571~0.662
			343TA	0.132~0.162	0.162~0.223	0.223~0.284	0.284~0.345	0.345~0.406	0.406~0.467	0.467~0.559	0.559~0.650
23	S	>35HRC	353ALH	0.155~0.189	0.189~0.257	0.257~0.326	0.326~0.394	0.394~0.462	0.462~0.530	0.530~0.633	0.633~0.735
			353TA	0.038~0.046	0.046~0.063	0.063~0.080	0.080~0.097	0.097~0.113	0.113~0.130	0.130~0.155	0.155~0.180
			353HTA	0.046~0.055	0.055~0.073	0.073~0.091	0.091~0.110	0.110~0.128	0.128~0.146	0.146~0.173	0.173~0.200
26	S	>35HRC	353SUH	0.048~0.058	0.058~0.077	0.077~0.096	0.096~0.116	0.116~0.134	0.134~0.153	0.153~0.182	0.182~0.210
			353TA	0.034~0.042	0.042~0.060	0.060~0.077	0.077~0.094	0.094~0.111	0.111~0.128	0.128~0.154	0.154~0.180
			353HTA	0.040~0.050	0.050~0.068	0.068~0.087	0.087~0.106	0.106~0.125	0.125~0.144	0.144~0.172	0.172~0.200
26	S	>35HRC	353SUH	0.042~0.053	0.053~0.071	0.071~0.091	0.091~0.111	0.111~0.131	0.131~0.151	0.151~0.181	0.181~0.210
			353TA	0.054~0.064	0.064~0.085	0.085~0.106	0.106~0.126	0.126~0.147	0.147~0.168	0.168~0.199	0.199~0.230
26	S	>35HRC	353HTA	0.057~0.069	0.069~0.091	0.091~0.114	0.114~0.137	0.137~0.159	0.159~0.182	0.182~0.216	0.216~0.250
			353SUH	0.060~0.072	0.072~0.096	0.096~0.120	0.120~0.144	0.144~0.167	0.167~0.191	0.191~0.227	0.227~0.263

	Ø	3-4	4-6	6-8	8-10	10-12	12-14	14-17	17-20
		fn (mm/rev)							
5XD	355TA	fn (mm/rev) = fn 353TA (3XD) x 0,85							
	355HTA	fn (mm/rev) = fn 353HTA (3XD) x 0,85							
	355SUH	fn (mm/rev) = fn 353SUH (3XD) x 0,85							
	355HRC	fn (mm/rev) = fn 353HRC (3XD) x 0,85							
8XD	3584HTA	fn (mm/rev) = fn 353HTA (3XD) x 0,8							

TYPHOON
C-SD-TA
LFTA
SUTA
HSS-
HSS/CO
DRILLS
UH
RED
MEX
ORANGE
HF
EVO
MEF
ENDLESS
ALU
MDC
G2
MDTA
ULTRA
MILLS
HSS/CO
CARBIDE
BURRS
PARAMETERS