New typhoon drills

NEW TYPHOON DRILLS

General-purpose TA, HTA and 4HTA (4 guide chamfers) geometries, SUH for stainless steel and ALH for aluminium: here comes the Osawa New Typhoon range of solid carbide drills.

TA, HTA e 4HTA (4 fasi) per applicazioni generiche, SUH per acciai inossidabili ed ALH per alluminio: le nuove punte in metallo duro integrale Osawa New Typhoon.

TA, HTA und 4HTA (4 Führungsfasen) für allgemeine Anwendungen, SUH für rostfreie Stähle und ALH für Aluminium: diese neuen Vollhartmetall-Bohrer der Osawa New Typhoon- Reihe haben optimierte Schneidgeometrien für jedes Anwendungsgebiet.

Géométries tout-terrain TA, HTA et 4HTA (4 listels), SUH pour inox et ALH pour alu: voila la nouvelle gamme de forets carbure monobloc Osawa New Typhoon.

PV200 COATING

GENERAL PURPOSE · USO GENERICO
ALLGEMEINE ANWENDUNGEN · APPLICATIONS GÉNÉRIQUES

PV300 COATING

GENERAL PURPOSE · USO GENERICO
ALLGEMEINE ANWENDUNGEN · APPLICATIONS GÉNÉRIQUES

PV300 COATING

LAPPED FLUTES · GOLE LAPPATE
GELÄPPTE NUTEN · GOUJOURES RODÉES

STAINLESS STEEL · ACCIAIO INOSSIDABILE
ROSTFREIER STAHL · ACIER INOXYDABLE

UNCOATED

LAPPED FLUTES · GOLE LAPPATE
GELÄPPTE NUTEN · GOUJOURES RODÉES

ALUMINIUM · ALLUMINIO
ALUMINIUM · ALUMINIUM

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DIN 6539

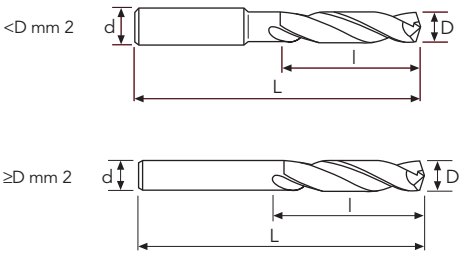
3XD

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

NEW NEW

343TA	318N
	



	TA	TA
	MG PV200	MG BR
	140°	140°
	30°	30°

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 EX stock exhaustion

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DIN 6539

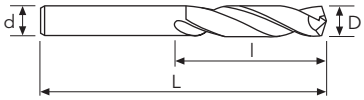
3XD

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

NEW NEW

343TA 318N



TA TA

MG PV200 MG BR

140° 140°

30° 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 EX stock exhaustion

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DIN 6539

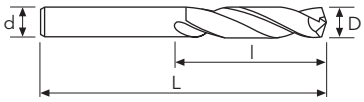
3XD

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

NEW NEW

343TA 318N



TA TA

MG PV200 MG BR

140° 140°

30° 30°

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	95	●	●
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 EX stock exhaustion

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DIN 6539

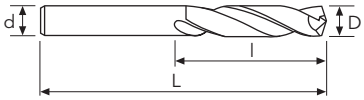
3XD

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

NEW NEW

343TA	318N
	



	343TA	318N
	TA	TA
	MG PV200	MG 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 EX stock exhaustion

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OSAWA NORM

8XD

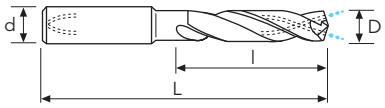
12XD

NEW NEW

358SUH 3512SUH

358SUH - 3512SUH (m7)

Ø mm	1~3	3.1~6	6.1~10	10.1~18	18.1~20
tol. D µ	+12 / +2	+16 / +4	+21 / +6	+25 / +7	+29 / +8



SUH

MG PV300

140°

30°

D(m7)		d(h6)	l	L	Stock	Stock
mm	1.00	3	9.5	50	●	
	1.00	3	13.5	55		●
	1.10	3	10.5	50	●	
	1.10	3	14.9	55		○
	1.20	3	11.4	50	●	
	1.20	3	16.2	55		●
	1.30	3	12.4	50	●	
	1.30	3	17.6	55		●
	1.40	3	13.3	50	●	
	1.40	3	18.9	55		○
	1.50	3	14.3	50	●	
	1.50	3	20.3	55		●
	1.60	3	15.2	50	●	
	1.60	3	21.6	65		●
	1.70	3	16.2	60	●	
	1.70	3	23	65		○
	1.80	3	17.1	60	●	
	1.80	3	24.3	65		●
	1.90	3	18.1	60	●	
	1.90	3	25.7	65		○
	2.00	3	19	60	●	
	2.00	3	27	65		●
	2.10	3	20	60	●	
	2.10	3	28.4	65		●
	2.20	3	20.9	60	●	
	2.20	3	29.7	65		●
	2.30	3	21.9	60	●	
	2.30	3	31.1	65		○
	2.40	3	22.8	60	●	
	2.40	3	32.4	75		○
	2.50	3	23.8	60	●	
	2.50	3	33.8	75		●
	2.60	3	24.7	60	●	
	2.60	3	35.1	75		●
	2.70	3	25.7	60	●	
	2.70	3	36.5	75		○

● stock standard ○ non-standard stock EX stock exhaustion

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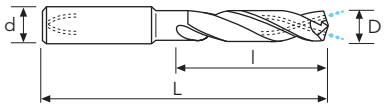
OSAWA NORM | 8XD | 12XD

NEW NEW

358SUH	3512SUH
	

358SUH - 3512SUH (m7)

Ø mm	1~3	3.1~6	6.1~10	10.1~18	18.1~20
tol. D µ	+12 / +2	+16 / +4	+21 / +6	+25 / +7	+29 / +8



SUH | SUH

MG PV300 | MG PV300

140° | 140°

30° | 30°

D(m7)		d(h6)	l	L	Stock	Stock
mm	**2.80**	3	26.6	60	●	
	2.80	3	37.8	75		●
	2.90	3	27.6	60	●	
	2.90	3	39.2	75		○

● stock standard ○ non-standard stock EX stock exhaustion

n Vf
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DIN 6537K

3XD

NEW NEW NEW NEW

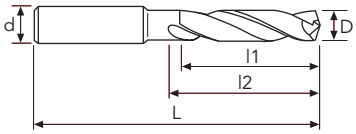
353TA	353HTA	353SUH	353ALH




353TA - 353HTA - 353SUH - 353ALH (m7)

Ø mm	1~3	3.1~6	6.1~10	10.1~18	18.1~20
tol. D µ	+12 / +2	+16 / +4	+21 / +6	+25 / +7	+29 / +8

353TA



353HTA
353SUH
353ALH

	TA	HTA	SUH	ALH
	MG PV200	MG PV200	MG PV300	MG LAPPED
	140°	140°	140°	140°
	30°	30°	30°	30°

D(m7)		d(h6)	l1	l2	L	Stock	Stock	Stock	Stock
mm	3.00	6	20	14	62	●	●	●	●
	3.10	6	20	14	62	●	●	●	○
	3.20	6	20	14	62	●	●	●	○
	3.30	6	20	14	62	●	●	●	●
	3.40	6	20	14	62	●	●	●	●
	3.50	6	20	14	62	●	●	●	●
	3.60	6	20	14	62	●	●	●	○
	3.70	6	20	14	62	●	●	●	○
	3.80	6	24	17	66	●	●	●	●
	3.90	6	24	17	66	●	●	●	○
	4.00	6	24	17	66	●	●	●	●
	4.10	6	24	17	66	●	●	●	○
	4.20	6	24	17	66	●	●	●	●
	4.30	6	24	17	66	●	●	●	●
	4.40	6	24	17	66	●	●	●	○
	4.50	6	24	17	66	●	●	●	●
	4.60	6	24	17	66	●	●	●	○
	4.70	6	24	17	66	●	●	●	○
	4.80	6	28	20	66	●	●	●	●
	4.90	6	28	20	66	●	●	●	○
	5.00	6	28	20	66	●	●	●	●
	5.10	6	28	20	66	●	●	●	●
	5.20	6	28	20	66	●	●	●	●
	5.30	6	28	20	66	●	●	●	○
	5.40	6	28	20	66	●	●	●	○
	5.50	6	28	20	66	●	●	●	●
	5.60	6	28	20	66	●	●	●	○
	5.70	6	28	20	66	●	●	●	○
	5.80	6	28	20	66	●	●	●	●
	5.90	6	28	20	66	●	●	●	○
	6.00	6	28	20	66	●	●	●	●
	6.10	8	34	24	79	●	●	●	○
	6.20	8	34	24	79	●	●	●	●
	6.30	8	34	24	79	●	●	●	○
	6.40	8	34	24	79	●	●	●	○
	6.50	8	34	24	79	●	●	●	●

● stock standard ○ non-standard stock EX stock exhaustion

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DIN 6537K

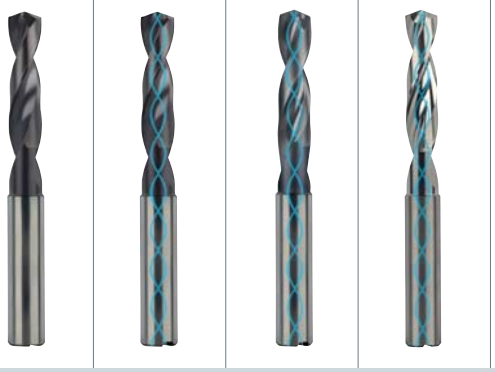
3XD

353TA - 353HTA - 353SUH - 353ALH (m7)

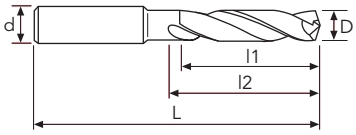
Ø mm	1~3	3.1~6	6.1~10	10.1~18	18.1~20
tol. D µ	+12 / +2	+16 / +4	+21 / +6	+25 / +7	+29 / +8

NEW NEW NEW NEW

353TA	353HTA	353SUH	353ALH



353TA



353HTA
353SUH
353ALH

	TA	HTA	SUH	ALH
	MG PV200	MG PV200	MG PV300	MG LAPPED
	140°	140°	140°	140°
	30°	30°	30°	30°

D(m7)		d(h6)	l1	l2	L	Stock	Stock	Stock	Stock
mm	6.60	8	34	24	79	●	●	●	○
	6.70	8	34	24	79	●	●	●	○
	6.80	8	34	24	79	●	●	●	●
	6.90	8	34	24	79	●	●	●	○
	7.00	8	34	24	79	●	●	●	●
	7.10	8	41	29	79	●	●	●	○
	7.20	8	41	29	79	●	●	●	○
	7.30	8	41	29	79	●	●	●	○
	7.40	8	41	29	79	●	●	●	○
	7.50	8	41	29	79	●	●	●	●
	7.60	8	41	29	79	●	●	●	○
	7.70	8	41	29	79	●	●	●	○
	7.80	8	41	29	79	●	●	●	●
	7.90	8	41	29	79	●	●	●	○
	8.00	8	41	29	79	●	●	●	●
	8.10	10	47	35	89	●	●	●	○
	8.20	10	47	35	89	●	●	●	●
	8.30	10	47	35	89	●	●	●	○
	8.40	10	47	35	89	●	●	●	○
	8.50	10	47	35	89	●	●	●	●
	8.60	10	47	35	89	●	●	●	○
	8.70	10	47	35	89	●	●	●	○
	8.80	10	47	35	89	●	●	●	●
	8.90	10	47	35	89	●	●	●	○
	9.00	10	47	35	89	●	●	●	●
	9.10	10	47	35	89	●	●	●	○
	9.20	10	47	35	89	●	●	●	○
	9.30	10	47	35	89	●	●	●	○
	9.40	10	47	35	89	●	●	●	○
	9.50	10	47	35	89	●	●	●	●
	9.60	10	47	35	89	●	●	●	○
	9.70	10	47	35	89	●	●	●	○
	9.80	10	47	35	89	●	●	●	○
	9.90	10	47	35	89	●	●	●	○
	10.00	10	47	35	89	●	●	●	●
	10.10	12	55	40	102	●	●		

● stock standard ○ non-standard stock EX stock exhaustion

n Vf
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DIN 6537K

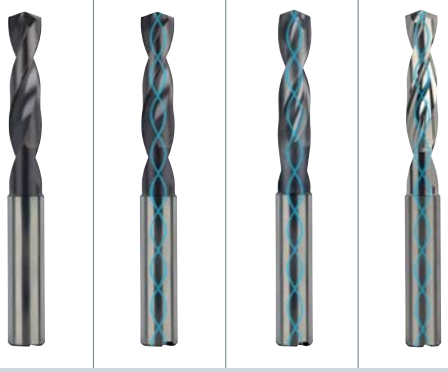
3XD

353TA - 353HTA - 353SUH - 353ALH (m7)

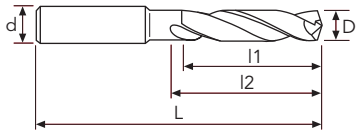
Ø mm	1~3	3.1~6	6.1~10	10.1~18	18.1~20
tol. D µ	+12 / +2	+16 / +4	+21 / +6	+25 / +7	+29 / +8

NEW NEW NEW NEW

353TA	353HTA	353SUH	353ALH



353TA



353HTA
353SUH
353ALH

D(m7)	d(h6)	l1	l2	L	Stock	Stock	Stock	Stock
mm 10.20	12	55	40	102	●	●	●	●
10.30	12	55	40	102	●	●	●	
10.40	12	55	40	102	○	○		
10.50	12	55	40	102	●	●	●	●
10.60	12	55	40	102	●	●	●	
10.70	12	55	40	102	○	○		
10.80	12	55	40	102	●	●	●	○
10.90	12	55	40	102	○	○		
11.00	12	55	40	102	●	●	●	●
11.10	12	55	40	102	○	○		
11.20	12	55	40	102	●	●	○	○
11.30	12	55	40	102	●	●	○	○
11.40	12	55	40	102	○	○		
11.50	12	55	40	102	●	●	●	●
11.60	12	55	40	102	○	○		
11.70	12	55	40	102	○	○		
11.80	12	55	40	102	●	●	●	○
11.90	12	55	40	102	○	○		
12.00	12	55	40	102	●	●	●	●
12.20	14	60	40	107	○	●	●	○
12.50	14	60	43	107	●	●	●	○
12.60	14	60	43	107				
12.80	14	60	43	107	○	●	●	○
13.00	14	60	43	107	●	●	●	○
13.30	14	60	43	107	○	●	●	○
13.50	14	60	43	107	●	●	●	○
13.80	14	60	43	107	○	●	●	○
14.00	14	60	43	107	●	●	●	○
14.20	16	65	45	115			●	
14.50	16	65	45	115	●	●	●	○
14.60	16	65	45	115				
15.00	16	65	65	115	●	●	●	○
15.30	16	65	65	115	○	●	●	○
15.50	16	65	65	115	●	●	●	○
15.80	16	65	73	115	○	●	●	○
16.00	16	65	73	115	●	●	●	○

● stock standard ○ non-standard stock EX stock exhaustion

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DIN 6537K

3XD

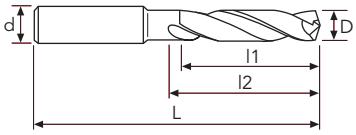
353TA - 353HTA - 353SUH - 353ALH (m7)

Ø mm	1~3	3.1~6	6.1~10	10.1~18	18.1~20
tol. D µ	+12 / +2	+16 / +4	+21 / +6	+25 / +7	+29 / +8

NEW NEW NEW NEW

353TA	353HTA	353SUH	353ALH
			
TA	HTA	SUH	ALH
MG PV200	MG PV200	MG PV300	MG LAPPED
140°	140°	140°	140°
30°	30°	30°	30°

353TA



353HTA
3535UH
353ALH

D(m7)	d(h6)	l1	l2	L	Stock	Stock	Stock	Stock
mm 16.50	18	73	73	123	○	●	●	○
17.00	18	73	73	123	○	●	●	○
17.50	18	73	73	123	○	●	●	○
18.00	18	73	73	123	○	●	●	○
18.50	20	79	79	131	○	●	●	○
19.00	20	79	79	131	○	●	●	○
19.50	20	79	79	131	○	●	●	○
20.00	20	79	79	131	○	●	●	○

● stock standard ○ non-standard stock EX stock exhaustion

n Vf
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DIN 6537L

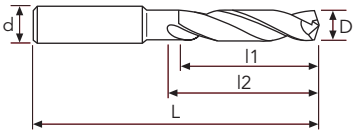
5XD

355TA - 355HTA - 355SUH - 355ALH (m7)

Ø mm	1~3	3.1~6	6.1~10	10.1~18	18.1~20
tol. D µ	+12 / +2	+16 / +4	+21 / +6	+25 / +7	+29 / +8

NEW NEW NEW NEW

355TA	355HTA	355SUH	355ALH



D(m7)		d(h6)	l1	l2	L	Stock	Stock	Stock	Stock
mm	3.00	6	28	23	66	●	●	●	●
	3.10	6	28	23	66	●	●	●	○
	3.20	6	28	23	66	●	●	●	○
	3.30	6	28	23	66	●	●	●	●
	3.40	6	28	23	66	●	●	●	●
	3.50	6	28	23	66	●	●	●	●
	3.60	6	28	23	66	●	●	●	○
	3.70	6	28	23	66	●	●	●	○
	3.80	6	36	29	74	●	●	●	●
	3.90	6	36	29	74	●	●	●	○
	4.00	6	36	29	74	●	●	●	●
	4.10	6	36	29	74	●	●	●	○
	4.20	6	36	29	74	●	●	●	●
	4.30	6	36	29	74	●	●	●	●
	4.40	6	36	29	74	●	●	●	○
	4.50	6	36	29	74	●	●	●	●
	4.60	6	36	29	74	●	●	●	○
	4.70	6	36	29	74	●	●	●	○
	4.80	6	44	35	82	●	●	●	●
	4.90	6	44	35	82	●	●	●	○
	5.00	6	44	35	82	●	●	●	●
	5.10	6	44	35	82	●	●	●	●
	5.20	6	44	35	82	●	●	●	●
	5.30	6	44	35	82	●	●	●	○
	5.40	6	44	35	82	●	●	●	○
	5.50	6	44	35	82	●	●	●	●
	5.60	6	44	35	82	●	●	●	○
	5.70	6	44	35	82	●	●	●	○
	5.80	6	44	35	82	●	●	●	●
	5.90	6	44	35	82	●	●	●	○
	6.00	6	44	35	82	●	●	●	●
	6.10	8	53	43	91	●	●	●	○
	6.20	8	53	43	91	●	●	●	●
	6.30	8	53	43	91	●	●	●	○
	6.40	8	53	43	91	●	●	●	○
	6.50	8	53	43	91	●	●	●	●

● stock standard ○ non-standard stock EX stock exhaustion

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DIN 6537L

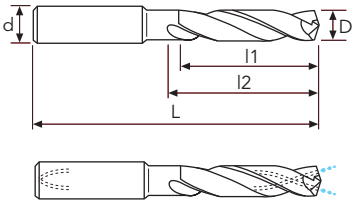
5XD

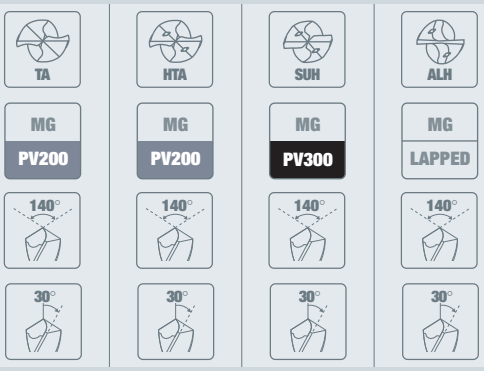
355TA - 355HTA - 355SUH - 355ALH (m7)

Ø mm	1~3	3.1~6	6.1~10	10.1~18	18.1~20
tol. D µ	+12 / +2	+16 / +4	+21 / +6	+25 / +7	+29 / +8

NEW NEW NEW NEW

355TA	355HTA	355SUH	355ALH





D(m7)	d(h6)	l1	l2	L	Stock	Stock	Stock	Stock
mm 6.60	8	53	43	91	●	●	●	○
6.70	8	53	43	91	●	●	●	○
6.80	8	53	43	91	●	●	●	●
6.90	8	53	43	91	●	●	●	○
7.00	8	53	43	91	●	●	●	●
7.10	8	53	43	91	●	●	●	○
7.20	8	53	43	91	●	●	●	○
7.30	8	53	43	91	●	●	●	○
7.40	8	53	43	91	●	●	●	○
7.50	8	53	43	91	●	●	●	●
7.60	8	53	43	91	●	●	●	○
7.70	8	53	43	91	●	●	●	○
7.80	8	53	43	91	●	●	●	●
7.90	8	53	43	91	●	●	●	○
8.00	8	53	43	91	●	●	●	●
8.10	10	61	49	103	●	●	●	○
8.20	10	61	49	103	●	●	●	●
8.30	10	61	49	103	●	●	●	○
8.40	10	61	49	103	●	●	●	○
8.50	10	61	49	103	●	●	●	●
8.60	10	61	49	103	●	●	●	○
8.70	10	61	49	103	●	●	●	○
8.80	10	61	49	103	●	●	●	●
8.90	10	61	49	103	●	●	●	○
9.00	10	61	49	103	●	●	●	●
9.10	10	61	49	103	●	●	●	○
9.20	10	61	49	103	●	●	●	○
9.30	10	61	49	103	●	●	●	○
9.40	10	61	49	103	●	●	●	○
9.50	10	61	61	103	●	●	●	●
9.60	10	61	61	103	●	●	●	○
9.70	10	61	61	103	●	●	●	○
9.80	10	61	61	103	●	●	●	○
9.90	10	61	61	103	●	●	●	○
10.00	10	61	61	103	●	●	●	●
10.10	12	71	71	118	●	●		

● stock standard ○ non-standard stock EX stock exhaustion

n Vf
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DIN 6537L

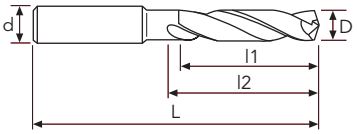
5XD

355TA - 355HTA - 355SUH - 355ALH (m7)

Ø mm	1~3	3.1~6	6.1~10	10.1~18	18.1~20
tol. D µ	+12 / +2	+16 / +4	+21 / +6	+25 / +7	+29 / +8

NEW NEW NEW NEW

355TA	355HTA	355SUH	355ALH



D(m7)	d(h6)	l1	l2	L	Stock	Stock	Stock	Stock
mm 10.20	12	71	71	118	●	●	●	●
10.30	12	71	71	118	●	●	●	
10.40	12	71	71	118	○	○		
10.50	12	71	71	118	●	●	●	●
10.60	12	71	71	118	●	●	●	
10.70	12	71	71	118	○	○		
10.80	12	71	71	118	●	●	●	○
10.90	12	71	71	118	○	○		
11.00	12	71	71	118	●	●	●	●
11.10	12	71	71	118	○	○		
11.20	12	71	71	118	●	●	●	○
11.30	12	71	71	118	●	●	●	○
11.40	12	71	71	118	○	●		
11.50	12	71	71	118	●	●	●	●
11.60	12	71	71	118	○	○		
11.70	12	71	71	118	○	○		
11.80	12	71	71	118	●	●	●	○
11.90	12	71	71	118	○	○		
12.00	12	71	71	118	●	●	●	●
12.20	14	77	77	124	○	●	●	○
12.50	14	77	77	124	●	●	●	○
12.60	14	77	77	124		●	●	
12.80	14	77	77	124	○	●	●	○
13.00	14	77	77	124	●	●	●	○
13.30	14	77	77	124	○	●	●	○
13.50	14	77	77	124	●	●	●	○
13.80	14	77	77	124	○	●	●	○
14.00	14	77	77	124	●	●	●	○
14.20	16	83	83	133		●	●	
14.50	16	83	83	133	●	●	●	○
14.60	16	83	83	133		●		
15.00	16	83	83	133	●	●	●	○
15.30	16	83	83	133	○	●	●	○
15.50	16	83	83	133	●	●	●	○
15.80	16	83	83	133	○	●	●	○
16.00	16	83	83	133	●	●	●	○

● stock standard ○ non-standard stock EX stock exhaustion

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DIN 6537L

5XD

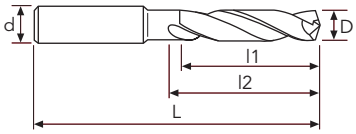
355TA - 355HTA - 355SUH - 355ALH (m7)

Ø mm	1~3	3.1~6	6.1~10	10.1~18	18.1~20
tol. D µ	+12 / +2	+16 / +4	+21 / +6	+25 / +7	+29 / +8

NEW NEW NEW NEW

355TA	355HTA	355SUH	355ALH
			
TA	HTA	SUH	ALH
MG PV200	MG PV200	MG PV300	MG LAPPED
140°	140°	140°	140°
30°	30°	30°	30°

355TA



355HTA
355SUH
355ALH

D(m7)	d(h6)	l1	l2	L	Stock	Stock	Stock	Stock
mm 16.50	18	93	93	143	○	●	●	○
17.00	18	93	93	143	○	●	●	○
17.50	18	93	93	143	○	●	●	○
18.00	18	93	93	143	○	●	●	○
18.50	20	101	101	153	○	●	●	○
19.00	20	101	101	153	○	●	●	○
19.50	20	101	101	153	○	○	●	○
20.00	20	101	101	153	○	●	●	○

● stock standard ○ non-standard stock EX stock exhaustion

n Vf
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OSAWA NORM

8XD

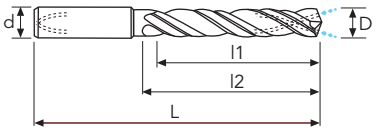
4 guide chamfers
4 fasi
4 Führungsfasen
4 listels

NEW

3584HTA

3584HTA (m7)

Ø mm	1~3	3.1~6	6.1~10	10.1~18	18.1~20
tol. D µ	+12 / +2	+16 / +4	+21 / +6	+25 / +7	+29 / +8



4HTA

MG
PV300

140°

30°

D(m7)		d(h6)	l1	l2	L	Stock
mm	3.00	6	32	40	85	●
	3.10	6	32	40	85	○
	3.20	6	32	40	85	●
	3.30	6	32	40	85	●
	3.40	6	32	40	85	○
	3.50	6	32	40	85	●
	3.60	6	36	40	85	○
	3.70	6	36	40	85	○
	3.80	6	36	40	85	●
	3.90	6	36	40	85	○
	4.00	6	38	46	85	●
	4.10	6	38	46	85	●
	4.20	6	38	46	85	●
	4.30	6	40	46	97	●
	4.40	6	40	46	97	○
	4.50	6	44	46	97	●
	4.60	6	44	46	97	○
	4.70	6	44	46	97	○
	4.80	6	44	46	97	●
	4.90	6	44	46	95	○
	5.00	6	48	57	97	●
	5.10	6	48	57	97	●
	5.20	6	48	57	97	●
	5.30	6	48	57	97	○
	5.40	6	48	57	97	○
	5.50	6	48	57	97	●
	5.60	6	48	57	97	●
	5.70	6	48	57	97	○
	5.80	6	48	57	97	●
	5.90	6	48	57	97	○
	6.00	6	48	57	97	●
	6.10	8	64	76	116	●
	6.20	8	64	76	116	●
	6.30	8	64	76	116	●
	6.40	8	64	76	116	○
	6.50	8	64	76	116	●

● stock standard ○ non-standard stock EX stock exhaustion

NEW

3584HTA

n Vf
PAGE 228

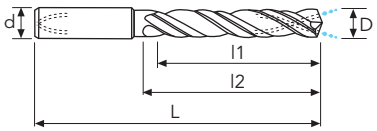
OSAWA NORM

8XD

4 guide chamfers
4 fasi
4 Führungsfasen
4 listels

3584HTA (m7)

Ø mm	1~3	3.1~6	6.1~10	10.1~18	18.1~20
tol. D µ	+12 / +2	+16 / +4	+21 / +6	+25 / +7	+29 / +8



D(m7)		d(h6)	l1	l2	L	Stock
mm	6.60	8	64	76	116	○
	6.70	8	64	76	116	○
	6.80	8	64	76	116	●
	6.90	8	64	76	116	○
	7.00	8	64	76	116	●
	7.10	8	64	76	116	●
	7.20	8	64	76	116	●
	7.30	8	64	76	116	○
	7.40	8	64	76	116	○
	7.50	8	64	76	116	●
	7.60	8	64	76	116	○
	7.70	8	64	76	116	○
	7.80	8	64	76	116	●
	7.90	8	64	76	116	○
	8.00	8	64	76	116	●
	8.10	10	80	95	142	●
	8.20	10	80	95	142	●
	8.30	10	80	95	142	●
	8.40	10	80	95	142	○
	8.50	10	80	95	142	●
	8.60	10	80	95	142	●
	8.70	10	80	95	142	○
	8.80	10	80	95	142	●
	8.90	10	80	95	142	○
	9.00	10	80	95	142	●
	9.10	10	80	95	142	●
	9.20	10	80	95	142	●
	9.30	10	80	95	142	○
	9.40	10	80	95	142	○
	9.50	10	80	95	142	●
	9.60	10	80	95	142	○
	9.70	10	80	95	142	○
	9.80	10	80	95	142	●
	9.90	10	80	95	142	○
	10.00	10	80	95	142	●
	10.20	12	96	114	163	●

● stock standard ○ non-standard stock EX stock exhaustion

NEW

3584HTA

n Vf
PAGE 228

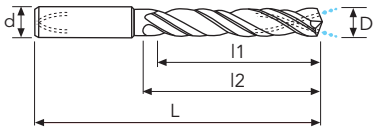
OSAWA NORM

8XD

4 guide chamfers
4 fasi
4 Führungsfasen
4 listels

3584HTA (m7)

Ø mm	1~3	3.1~6	6.1~10	10.1~18	18.1~20
tol. D µ	+12 / +2	+16 / +4	+21 / +6	+25 / +7	+29 / +8



4HTA

MG
PV300

140°

30°

D(m7)	d(h6)	l1	l2	L	Stock
mm 10.50	12	96	114	163	●
10.80	12	96	114	163	●
11.00	12	96	114	163	●
11.20	12	96	114	163	●
11.30	12	96	114	163	○
11.50	12	96	114	163	●
11.80	12	96	114	163	●
12.00	12	96	114	163	●
12.20	14	112	133	182	●
12.50	14	112	133	182	●
12.80	14	112	133	182	●
13.00	14	112	133	182	●
13.50	14	112	133	182	●
14.00	14	112	133	182	●
14.50	16	128	152	204	●
15.00	16	128	152	204	●
15.50	16	128	152	204	●
16.00	16	128	152	204	●

● stock standard ○ non-standard stock EX stock exhaustion