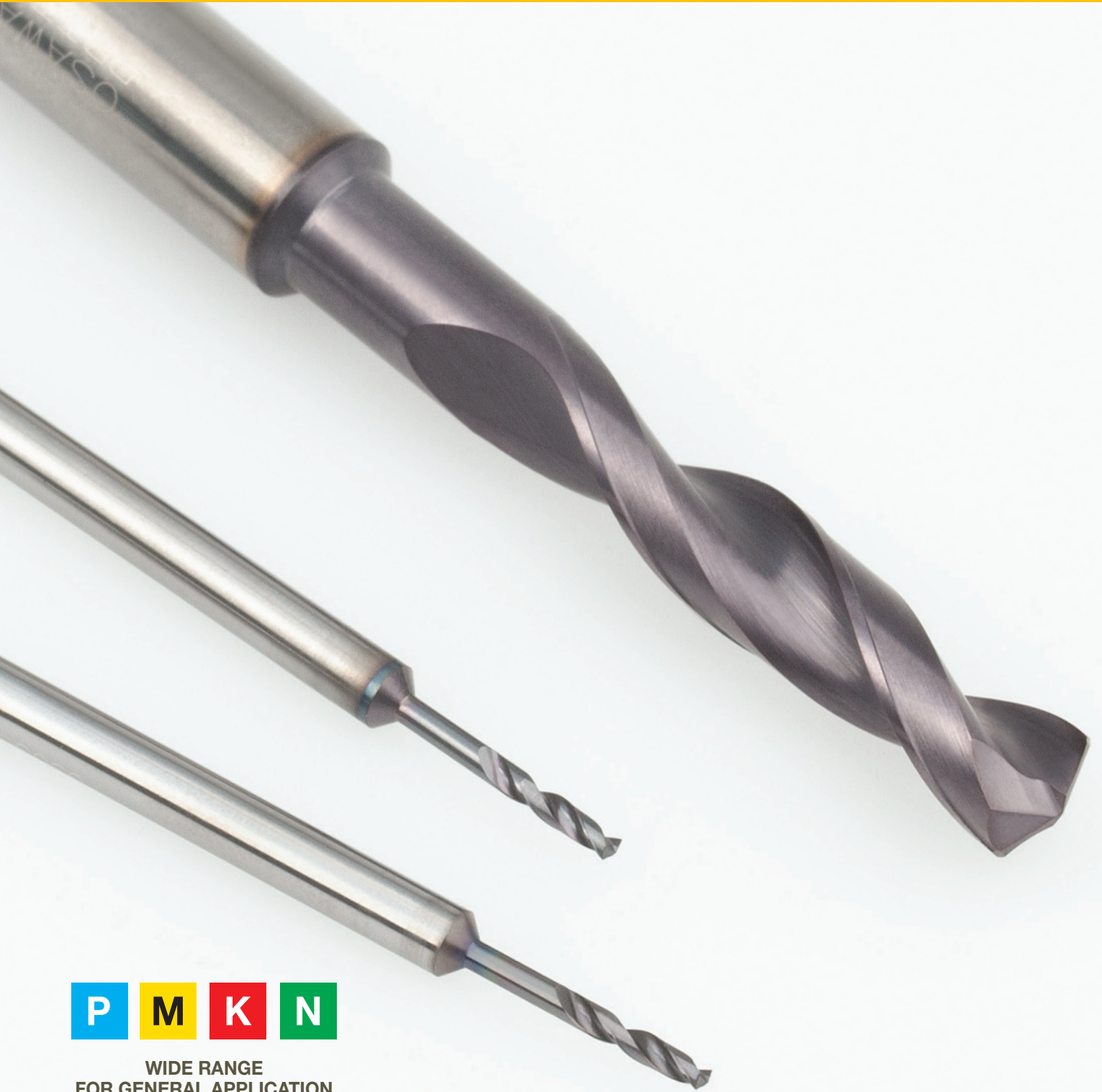




Typhoon CV

3xD solid carbide drills for general purpose



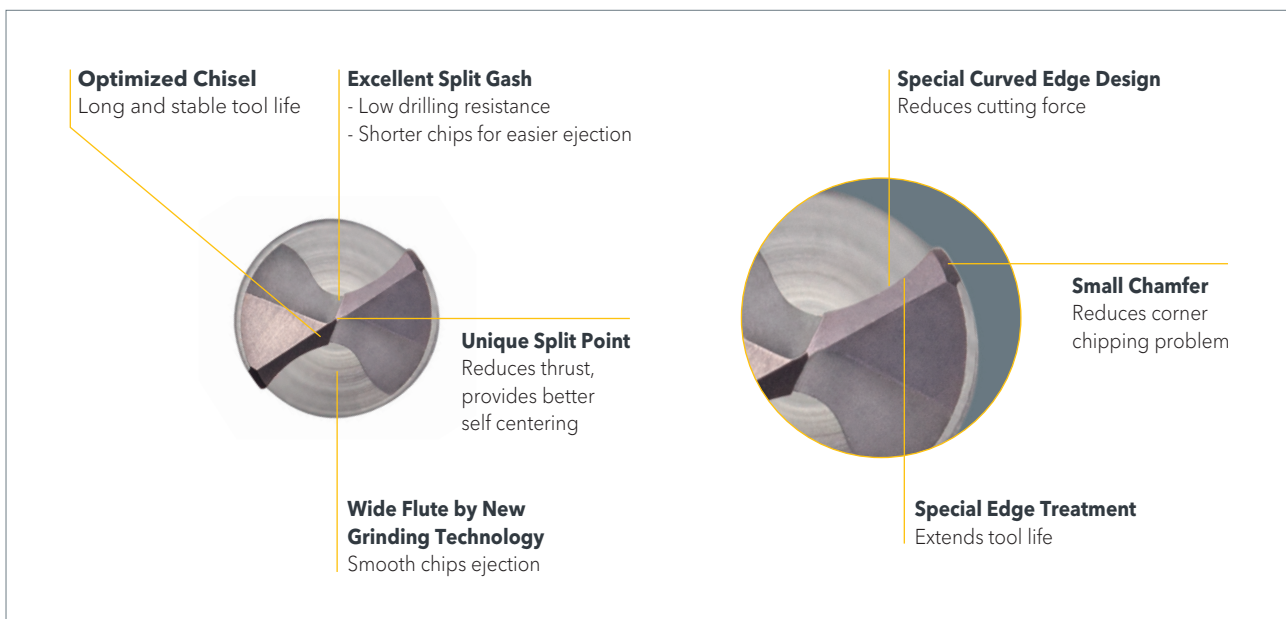
WIDE RANGE
FOR GENERAL APPLICATION

 **OSAWA**
DRILLS & END MILLS

353CV

- A new series of solid carbide drill with reinforced shank for general machining on ISO P, M, K and N.
- Wide flutes combined with excellent chisel and gash design guarantee smooth chip ejection.
- Special curved edge design and unique edge treatment technology allow extended tool life and higher reliability.
- External coolant 3xD.
- Range: D1.0- D16.0

FEATURES

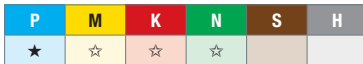


353CV

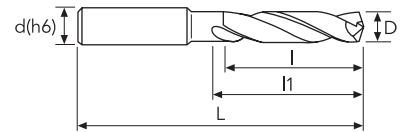
General purpose



353CV replaces 343TA.
353CV will be gradually available as soon as 343TA stock is phased out



★ 1st choice ☆ suitable



D(m7)	D Tol.	d(h6)	l	l1	L	EDP No.	Stock
1.00	+0.012/+0.002	3	5	7	45	353CV0100	●
1.10	+0.012/+0.002	3	5	7	45	353CV0110	●
1.20	+0.012/+0.002	3	5	7	45	353CV0120	●
1.30	+0.012/+0.002	3	5	7	45	353CV0130	●
1.40	+0.012/+0.002	3	5	7	45	353CV0140	●
1.50	+0.012/+0.002	3	10	13	50	353CV0150	●
1.60	+0.012/+0.002	3	10	13	50	353CV0160	●
1.70	+0.012/+0.002	3	10	13	50	353CV0170	●
1.80	+0.012/+0.002	3	10	13	50	353CV0180	●
1.90	+0.012/+0.002	3	10	13	50	353CV0190	●
2.00	+0.012/+0.002	4	12	17	55	353CV0200	●
2.10	+0.012/+0.002	4	12	17	55	353CV0210	●
2.20	+0.012/+0.002	4	12	17	55	353CV0220	●
2.30	+0.012/+0.002	4	12	17	55	353CV0230	●
2.40	+0.012/+0.002	4	12	17	55	353CV0240	●
2.50	+0.012/+0.002	4	12	17	55	353CV0250	●
2.60	+0.012/+0.002	4	12	17	55	353CV0260	●
2.70	+0.012/+0.002	4	12	17	55	353CV0270	●
2.80	+0.012/+0.002	4	12	17	55	353CV0280	●
2.90	+0.012/+0.002	4	12	17	55	353CV0290	●
3.00	+0.012/+0.002	6	14	20	62	353CV0300	●
3.10	+0.016/+0.004	6	14	20	62	353CV0310	●
3.20	+0.016/+0.004	6	14	20	62	353CV0320	●
3.30	+0.016/+0.004	6	14	20	62	353CV0330	●
3.40	+0.016/+0.004	6	14	20	62	353CV0340	●
3.50	+0.016/+0.004	6	14	20	62	353CV0350	●
3.60	+0.016/+0.004	6	14	20	62	353CV0360	●
3.70	+0.016/+0.004	6	14	20	62	353CV0370	●
3.80	+0.016/+0.004	6	17	24	66	353CV0380	●
3.90	+0.016/+0.004	6	17	24	66	353CV0390	●
4.00	+0.016/+0.004	6	17	24	66	353CV0400	●
4.10	+0.016/+0.004	6	17	24	66	353CV0410	●
4.20	+0.016/+0.004	6	17	24	66	353CV0420	●
4.30	+0.016/+0.004	6	17	24	66	353CV0430	●
4.40	+0.016/+0.004	6	17	24	66	353CV0440	●
4.50	+0.016/+0.004	6	17	24	66	353CV0450	●
4.60	+0.016/+0.004	6	17	24	66	353CV0460	●
4.70	+0.016/+0.004	6	17	24	66	353CV0470	●
4.80	+0.016/+0.004	6	20	28	66	353CV0480	●

● stock standard ○ non-standard stock ▽ stock exhaustion

353CV

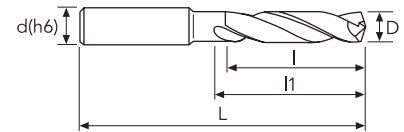
General purpose



353CV replaces 343TA.
353CV will be gradually available as soon as 343TA stock is phased out

P	M	K	N	S	H
★	☆	☆	☆		

★ 1st choice ☆ suitable



D(m7)	D Tol.	d(h6)	l	l1	L	EDP No.	Stock
4.90	+0.016/+0.004	6	20	28	66	353CV0490	●
5.00	+0.016/+0.004	6	20	28	66	353CV0500	●
5.10	+0.016/+0.004	6	20	28	66	353CV0510	●
5.20	+0.016/+0.004	6	20	28	66	353CV0520	●
5.30	+0.016/+0.004	6	20	28	66	353CV0530	●
5.40	+0.016/+0.004	6	20	28	66	353CV0540	●
5.50	+0.016/+0.004	6	20	28	66	353CV0550	●
5.60	+0.016/+0.004	6	20	28	66	353CV0560	●
5.70	+0.016/+0.004	6	20	28	66	353CV0570	●
5.80	+0.016/+0.004	6	20	28	66	353CV0580	●
5.90	+0.016/+0.004	6	20	28	66	353CV0590	●
6.00	+0.016/+0.004	6	20	28	66	353CV0600	●
6.10	+0.021/+0.006	8	24	34	79	353CV0610	●
6.20	+0.021/+0.006	8	24	34	79	353CV0620	●
6.30	+0.021/+0.006	8	24	34	79	353CV0630	●
6.40	+0.021/+0.006	8	24	34	79	353CV0640	●
6.50	+0.021/+0.006	8	24	34	79	353CV0650	●
6.60	+0.021/+0.006	8	24	34	79	353CV0660	●
6.70	+0.021/+0.006	8	24	34	79	353CV0670	●
6.80	+0.021/+0.006	8	24	34	79	353CV0680	●
6.90	+0.021/+0.006	8	24	34	79	353CV0690	●
7.00	+0.021/+0.006	8	24	34	79	353CV0700	●
7.10	+0.021/+0.006	8	29	41	79	353CV0710	●
7.20	+0.021/+0.006	8	29	41	79	353CV0720	●
7.30	+0.021/+0.006	8	29	41	79	353CV0730	●
7.40	+0.021/+0.006	8	29	41	79	353CV0740	●
7.50	+0.021/+0.006	8	29	41	79	353CV0750	●
7.60	+0.021/+0.006	8	29	41	79	353CV0760	●
7.70	+0.021/+0.006	8	29	41	79	353CV0770	●
7.80	+0.021/+0.006	8	29	41	79	353CV0780	●
7.90	+0.021/+0.006	8	29	41	79	353CV0790	●
8.00	+0.021/+0.006	8	29	41	79	353CV0800	●
8.10	+0.021/+0.006	10	35	47	89	353CV0810	●
8.20	+0.021/+0.006	10	35	47	89	353CV0820	●
8.30	+0.021/+0.006	10	35	47	89	353CV0830	●
8.40	+0.021/+0.006	10	35	47	89	353CV0840	●
8.50	+0.021/+0.006	10	35	47	89	353CV0850	●
8.60	+0.021/+0.006	10	35	47	89	353CV0860	●
8.70	+0.021/+0.006	10	35	47	89	353CV0870	●

● stock standard ○ non-standard stock ▽ stock exhaustion

353CV

	Material Group ISO 513	P1 P2 P3	P7	M1	K1	N1 N2	
	Hardness/Rm	<800 N/mm ²	<700 N/mm ²	<750 N/mm ²	150÷200 HB		
Vc (m/min)	80+100	35+45	35+45	80+100	140+180		
D (mm)	fn (mm/rev)	fn (mm/rev)	fn (mm/rev)	fn (mm/rev)	fn (mm/rev)	fn (mm/rev)	
1	0.050	0.035	0.035	0.050	0.065		
2	0.070	0.049	0.049	0.070	0.091		
3	0.086	0.060	0.060	0.086	0.112		
4	0.126	0.088	0.088	0.126	0.164		
5	0.131	0.092	0.092	0.131	0.170		
6	0.145	0.102	0.102	0.145	0.189		
7	0.165	0.116	0.116	0.165	0.215		
8	0.185	0.130	0.130	0.185	0.241		
9	0.205	0.144	0.144	0.205	0.267		
10	0.224	0.157	0.157	0.224	0.291		
11	0.244	0.171	0.171	0.244	0.317		
12	0.263	0.184	0.184	0.263	0.342		
13	0.282	0.197	0.197	0.282	0.367		
14	0.302	0.211	0.211	0.302	0.393		
15	0.315	0.221	0.221	0.315	0.410		
16	0.336	0.235	0.235	0.336	0.437		



