



TYPHOON CV

HIGH PERFORMANCE - GENERAL PURPOSE

🇬🇧 The tool of choice for multi-purpose drilling on ISO P, M, K, N below 1100 N/mm².

🇮🇹 La soluzione ideale per la foratura di materiali ISO P, M, K, N sino a 1100 N/mm².

🇩🇪 Die optimale Lösung für das Bohren der Materialien ISO P, M, K, N bis zu 1100 N/mm².

🇫🇷 La solution idéale pour le perçage de matériaux ISO P, M, K, N jusqu'à 1100 N/mm².

🇪🇸 La solución ideal para el taladrado de materiales ISO P, M, K, N hasta 1100 N/mm².

🇷🇺 Идеальное решение для сверления материалов по ISO P, M, K, N до 1100 Н/мм².



- Unique split point: reduces thrust, provides better self centering
- Split gash design: low drilling resistance and short chips for easier ejection
- Optimized Chisel: long and stable tool life
- Wide flutes by new grinding technology: smooth chips ejection
- Special curved edge design: reduces cutting force
- Small chamfer: reduces corner chipping problem
- Special edge treatment: extends tool life



- Point de séparation unique: réduit la poussée, permet un meilleur auto-centrage.
- Grande goujure centrale: faible résistance au perçage et copeaux courts pour une éjection plus facile
- Arête de coupe transversale optimisée : durée de vie de l'outil longue et stable
- Des goujures larges grâce à une nouvelle technologie de meulage : éjection des copeaux optimale
- Conception spéciale de l'arête avec bord incurvé : réduit la force de coupe
- Petit chanfrein : réduit les problèmes d'écaillage dans les coins
- Traitement spécial des arêtes : prolonge la durée de vie de l'outil



- Affilatura a croce: riduce lo sforzo di taglio e migliora la capacità di centraggio
- Ampio scarico frontale: basso sforzo di taglio e trucioli corti per evacuazione più efficiente
- Tagliente trasversale ottimizzato: incremento durata e affidabilità
- Gole più ampie grazie alla nuova tecnologia di affilatura: ottima evacuazione dei trucioli
- Tagliente curvilineo: Riduce lo sforzo di taglio
- Smusso per protezione degli spigoli: riduzione dei problemi di scheggiatura
- Onatura precisa: maggiore durata dell'utensile



- Afilado a cruz: reduce el esfuerzo de corte y mejora el autocentrado
- Amplio descargue frontal: evacuación de viruta más eficiente gracias a bajos esfuerzos de corte y generación de viruta corta
- Filo de corte transversal mejorado Aumento de la vida útil y fiabilidad
- Ranuras más anchas gracias a la nueva tecnología de afilado: Excelente evacuación de viruta
- Filo de corte curvilíneo Reduce el esfuerzo de corte
- Chaflán para protección de los bordes: Reducción de problemas de astillado
- Tratamiento especial del filo: aumenta la vida útil de la herramienta



- Kreuzanschliff: reduziert die Schnittkraft und verbessert die Zentrierung
- Grosse Freifläche auf der Spitze: Geringer Bohrwiderstand und kurze Späne für eine effizientere Spanabfuhr
- Optimierte Querkante: Verbesserte Standzeit und Leistung
- Grössere Nuten, dank einer neuen Schleiftechnologie: optimale Spanabfuhr
- Gekurvte Schneide: Reduzierter Schneidaufwand
- Kantenschutz: vermindert Absplitterungen
- Spezieller Kantenschnitt: Verlängerte Standzeit



- Крестовая заточка: Снижает усилие резания и улучшает центрирование
- Дизайн режущей части: Низкое усилие резания и короткая стружка для более эффективного удаления
- Оптимизированная поперечная режущая кромка: Повышенная долговечность и надежность
- Более широкие канавки благодаря новой технологии заточки: Превосходное удаление стружки
- Криволинейная режущая кромка: Снижает усилие резания
- Фаска для защиты кромки: Уменьшает проблему сколов кромки
- Специальная обработка края: Более продолжительный срок службы инструмента

353CV

General purpose

3XD

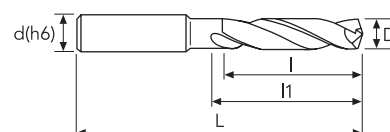
DIN
6537KMG
PV250

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
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	●

353CV

General purpose

3XD

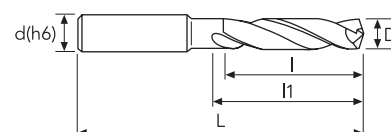
DIN
6537KMG
PV250

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



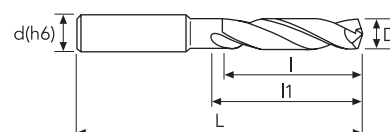
D(m7)	D Tol.	d(h6)	l	l1	L	EDP No.	Stock
4.90	+0.016/+0.004	6	20	28	66	353CV0490	●
5.00	+0.016/+0.004	6	20	28	66	353CV0500	●
5.10	+0.016/+0.004	6	20	28	66	353CV0510	●
5.20	+0.016/+0.004	6	20	28	66	353CV0520	●
5.30	+0.016/+0.004	6	20	28	66	353CV0530	●
5.40	+0.016/+0.004	6	20	28	66	353CV0540	●
5.50	+0.016/+0.004	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

General purpose



★ 1st choice ☆ suitable



● stock standard ○ non-standard stock ▽ stock exhaustion

CUTTING PARAMETERS

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)	
	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	