

DÉCOUVREZ NOTRE GAMME

PERÇAGE



Perçage

NOMENCLATURE

CROMSON «DRILL»

FLUIDE DE COUPE

0 - Externe
1 - Interne

CRDR-HP-C2105-0300-Cr85

APPLICATIONS

G- Générale
HP- Haute Performance
AC- Précision
SF- Fini de Surface
SP- Pré-Perçage

TYPE D'OUTIL

C1000- EFFICIENCY
C2100- CROMINOX
C3100- MINIATURE
C4100- CROMSTEEL
C5100- CONCENTRICITY (Marge double)
C6100- HIGH PRECISION
C7100- DRILL & REAM (Marge triple)
C8100- CROMALU
C9100- HIGH PERFORMANCE

NUANCES

Cr10- Non-Revêtu
Cr15- AlTiN
Cr65- TiAlN
Cr85- TiAlN+

Résumé d'application Perçage

Matériaux	Dureté Rockwell (HRc) Dureté Brinell (BHN) Résistance à la traction (N/mm2)			Séries #		
	HRc	BHN	N/mm2	EFFICIENCY C1100 C1000	CROMINOX C2100	MINIATURE C3100
Acier non allié, acier moulé 1018, 1108, 1161, 12L14, 1522, 1572	jusqu'à 8 jusqu'à 15 plus de 15	jusqu'à 178 jusqu'à 205 Plus de 205	jusqu'à 600 jusqu'à 700 Plus de 700			
Acier allié 5132, 4130, 8620, 4340, 5140, 6150 Acier inoxydable 410, 416	jusqu'à 27 jusqu'à 31 plus de 31	jusqu'à 266 jusqu'à 297 plus de 297	jusqu'à 900 jusqu'à 1000 plus de 1000			
Acier inoxydable modéré 17-4PH, 15-5PH, 316L						
Acier inoxydable résistant à l'acide (Cr-Ni-Alloys) 304, 316, 17CrNi16-2						
Fonte, fonte grise et allié GG10-GG40, A48	jusqu'à 14 jusqu'à 24 plus de 24	jusqu'à 200 jusqu'à 250 plus de 250	jusqu'à 680 jusqu'à 850 plus de 850			
Fonte à graphite, Fonte maléable GGG40, GGG80	jusqu'à 8 plus de 8	jusqu'à 178 plus de 178	jusqu'à 600 plus de 650			
Aluminium (Si % >10%) 6061, 2025, 208, 360						
Aluminium (Si % <10%) 413, 385, A390						
Cuivre, brass, bronze beryllium-cuivre, brass naval, AMPCO						
Alliage de titane TiAl4V,						
Alliage réfractaire, inconel, haynes, waspaloy, hastelloy						
Fonte	38-48	350-450	1173-1527			
Acier trempé 50-60 HRc	50-55 56-60 61-65		1614-1870			



Hautement recommandé



Peut convenir à quelques applications



CROMSTEEL C4100	CONCENTRICITY C5100	HIGH PRECISION C6100	DRILL-REAMER C7100	CROMALU C8100	HIGH PERFORMANCE C9100
					
					
					
					
					
					
					
					
					
					
					

Explication des symboles Perçage

	Fluide de coupe intégré		Profondeur (3xD)		Profondeur (12xD)		Pointe à 135°
	Sans fluide de coupe (fluide externe)		Profondeur (5xD)				Pointe à 140°
	Queue cylindrique		Profondeur (8xD)				Pointe à 145°

INFORMATIONS GÉNÉRALES SUR LE CATALOGUE

d1 = Diamètre d'outil (Métrique/Impériale)

l1 = Longueur totale

l3 = Long. de coupe (perçage maximum)

d2 = Diamètre de queue

l2 = Longueur de cannelure

l4 = Longueur de la queue

Charte de nuances et d'applications Perçage

CROMSON offre une variété de revêtements sur demande afin de répondre à la demande sans cesse plus exigeante des clients et de leurs applications spécifiques.

Suite aux essais exhaustifs, les recherches pour les applications de tous les jours, CROMSON et ses partenaires ont travaillé à développer une gamme complète de revêtement à haute performance afin de vous offrir un produit standard.

Ces différentes options nous permettent de répondre à plusieurs applications et d'offrir un résultat optimal.

Merci de vous référer à la charte ci-bas afin de vérifier les combinaisons possibles.

REVÊTEMENTS CROMSON

	Cr10	Cr15	Cr65	Cr85	CrXX
Propriété	Non-revêtu	AlTiN	TiAlN	TiAlN+	DLC
Processus de revêtement		PVD	PVD	PVD	
Structure		Nano Structure	Nano Structure	Nano Structure	
Dureté (HV)		3300	3300	3300	
Coefficient de friction (Fetting)		0,30-0,35	0,20	0,25	
Stabilité thermique (C)		900	600	900	
Informations Générales		Excellente résistance aux chocs thermiques, permet la coupe à sec et améliore les performances des forêts au carbure. Le grade dureté de ce revêtement procure une protection supérieure contre l'usure et l'abrasion.	Le revêtement CROMSON Cr65 est un procédé offrant une réduction supérieure du coefficient de friction. Pour des applications de perçage extrêmement difficile ayant une forte tendance au phénomène du copeau adhérent.	Offre tous les avantages du revêtement TiAlN standard mais avec un coefficient de friction réduit. Conséquemment il est idéal pour le perçage, assure la fluidité des copeaux et réduit les efforts de coupe.	Disponible sur demande (SPECIALE)

CROMSTEEL

SÉRIE C4000

- ⊙ Les forêts en carbure solide de série CROMSTEEL sont offerts avec un concept spécial pour l'usinage de l'acier et ce pour des trous variant de 2.80 à 25.00 mm
- ⊙ Grâce à ce concept unique d'arête tranchante et de goujure spécifique d'évacuation de copeaux, la CROMSTEEL est adaptée pour l'usinage de pratiquement tous les aciers en circulation
- ⊙ Cette série est offerte avec le fluide de coupe intégré et notre nouveau revêtement PVD Cr85 (AlTiN+)
- ⊙ Ces critères jumelés à notre géométrie spécifique pour l'acier assurent un rendement optimum



Matériaux	Dureté Rockwell (HRC) Dureté Brinell (BHN) Résistance à la traction (N/mm2)			C4100
	HRC	BHN	N/mm2	
Acier non allié, acier moulé 1018, 1108, 1161, 12L14, 1522, 1572	jusqu'à 8 - jusqu'à 15 plus de 15	jusqu'à 178 - jusqu'à 205 Plus de 205	jusqu'à 600- jusqu'à 700 Plus de 700	
Acier allié 5132, 4130, 8620, 4340, 5140, 6150	jusqu'à 27 - jusqu'à 31 plus de 31	jusqu'à 266 - jusqu'à 297 plus de 297	jusqu'à 900 - jusqu'à 1000 plus de 1000	
Acier inoxydable modéré 17-4PH, 15-5PH, 316L				
Acier inoxydable résistant à l'acide (Cr-Ni-Alloys) 304, 316, 17CrNi16-2				
Aluminium (Si % >10%) 6061, 2025, 208, 360				
Aluminium (Si % <10%) 413, 385, A390				
Cuivre, brass, bronze beryllium-cuivre, brass naval, AMPCO				
Fonte	38-48	350-450	1173-1527	
Acier trempé 50-60 HRC	50-55 56-60 61-65		1614-1870	



Hautement recommandé



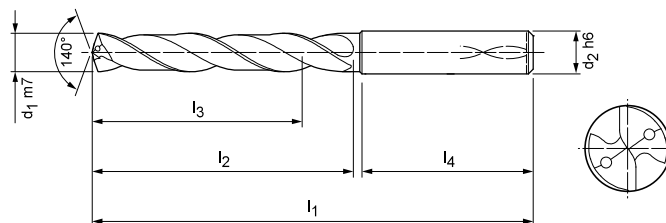
Peut convenir à quelques applications.

FORET EN CARBURE

DÉTAILS TECHNIQUES

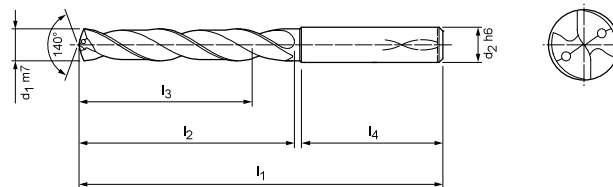
Étendue de diamètre 0,1102-0,9843 po
2,80-25,00 mm

Tolérance du trou IT9 (accessible)
Format de queue Cyl. (DIN 6535)
Nombre de flûtes 2
Nombre de marges 1
Géométrie de pointe Pointe spéciale
Angle de pointe 140°
Angle d'hélice 30°
Fluide de coupe Interne



EDP Cromson	Cromson Description	Diam (d1) mm	Diam (d1) po	Diam (d2)	Long. de cannelure (l2)	L.T. (l1)	Long. Queue (l4)	Nuance Cromson	# Flûtes
75101410	CRDR-HP-C4103-0280 Cr85	2.800	0.1102	6	20	62	36	Cr85	2
75101415	CRDR-HP-C4103-0300 Cr85	3.000	0.1181	6	20	62	36	Cr85	2
75101420	CRDR-HP-C4103-0310 Cr85	3.100	0.1220	6	20	62	36	Cr85	2
75101423	CRDR-HP-C4103-0318 Cr85	3.180	1/8	6	20	62	36	Cr85	2
75101425	CRDR-HP-C4103-0320 Cr85	3.200	0.1260	6	20	62	36	Cr85	2
75101430	CRDR-HP-C4103-0330 Cr85	3.300	0.1299	6	20	62	36	Cr85	2
75101435	CRDR-HP-C4103-0340 Cr85	3.400	0.1339	6	20	62	36	Cr85	2
75101440	CRDR-HP-C4103-0350 Cr85	3.500	0.1378	6	20	62	36	Cr85	2
75101443	CRDR-HP-C4103-0357 Cr85	3.570	9/64	6	20	62	36	Cr85	2
75101445	CRDR-HP-C4103-0360 Cr85	3.600	0.1417	6	20	62	36	Cr85	2
75101450	CRDR-HP-C4103-0370 Cr85	3.700	0.1457	6	20	62	36	Cr85	2
75101455	CRDR-HP-C4103-0380 Cr85	3.800	0.1496	6	24	66	36	Cr85	2
75101460	CRDR-HP-C4103-0390 Cr85	3.900	0.1535	6	24	66	36	Cr85	2
75101463	CRDR-HP-C4103-0397 Cr85	3.970	5/32	6	24	66	36	Cr85	2
75101465	CRDR-HP-C4103-0400 Cr85	4.000	0.1575	6	24	66	36	Cr85	2
75101470	CRDR-HP-C4103-0410 Cr85	4.100	0.1614	6	24	66	36	Cr85	2
75101475	CRDR-HP-C4103-0420 Cr85	4.200	0.1654	6	24	66	36	Cr85	2
75101480	CRDR-HP-C4103-0430 Cr85	4.300	0.1693	6	24	66	36	Cr85	2
75101483	CRDR-HP-C4103-0437 Cr85	4.370	11/64	6	24	66	36	Cr85	2
75101485	CRDR-HP-C4103-0440 Cr85	4.400	0.1732	6	24	66	36	Cr85	2
75101490	CRDR-HP-C4103-0450 Cr85	4.500	0.1772	6	24	66	36	Cr85	2
75101495	CRDR-HP-C4103-0460 Cr85	4.600	0.1811	6	24	66	36	Cr85	2
75101500	CRDR-HP-C4103-0465 Cr85	4.650	0.1831	6	24	66	36	Cr85	2
75101505	CRDR-HP-C4103-0470 Cr85	4.700	0.1850	6	24	66	36	Cr85	2
75101508	CRDR-HP-C4103-0476 Cr85	4.760	3/16	6	24	66	36	Cr85	2
75101510	CRDR-HP-C4103-0480 Cr85	4.800	0.1890	6	28	66	36	Cr85	2
75101515	CRDR-HP-C4103-0490 Cr85	4.900	0.1929	6	28	66	36	Cr85	2
75101520	CRDR-HP-C4103-0500 Cr85	5.000	0.1969	6	28	66	36	Cr85	2
75101525	CRDR-HP-C4103-0510 Cr85	5.100	0.2008	6	28	66	36	Cr85	2
75101528	CRDR-HP-C4103-0516 Cr85	5.160	13/64	6	28	66	36	Cr85	2
75101530	CRDR-HP-C4103-0520 Cr85	5.200	0.2047	6	28	66	36	Cr85	2

EDP Cromson	Cromson Description	Diam (d1) mm	Diam (d1) po	Diam (d2)	Long. de cannelure (l2)	L.T. (l1)	Long. Queue (l4)	Nuance Cromson	# Flûtes
75101535	CRDR-HP-C4103-0530 Cr85	5.300	0.2087	6	28	66	36	Cr85	2
75101540	CRDR-HP-C4103-0540 Cr85	5.400	0.2126	6	28	66	36	Cr85	2
75101545	CRDR-HP-C4103-0550 Cr85	5.500	0.2165	6	28	66	36	Cr85	2
75101550	CRDR-HP-C4103-0555 Cr85	5.550	0.2185	6	28	66	36	Cr85	2
75101553	CRDR-HP-C4103-0556 Cr85	5.560	7/32	6	28	66	36	Cr85	2
75101555	CRDR-HP-C4103-0560 Cr85	5.600	0.2205	6	28	66	36	Cr85	2
75101560	CRDR-HP-C4103-0570 Cr85	5.700	0.2244	6	28	66	36	Cr85	2
75101565	CRDR-HP-C4103-0580 Cr85	5.800	0.2283	6	28	66	36	Cr85	2
75101570	CRDR-HP-C4103-0590 Cr85	5.900	0.2323	6	28	66	36	Cr85	2
75101573	CRDR-HP-C4103-0595 Cr85	5.950	15/64	6	28	66	36	Cr85	2
75101575	CRDR-HP-C4103-0600 Cr85	6.000	0.2362	6	28	66	36	Cr85	2
75101580	CRDR-HP-C4103-0610 Cr85	6.100	0.2402	8	34	79	36	Cr85	2
75101585	CRDR-HP-C4103-0620 Cr85	6.200	0.2441	8	34	79	36	Cr85	2
75101590	CRDR-HP-C4103-0630 Cr85	6.300	0.2480	8	34	79	36	Cr85	2
75101593	CRDR-HP-C4103-0635 Cr85	6.350	1/4	8	34	79	36	Cr85	2
75101595	CRDR-HP-C4103-0640 Cr85	6.400	0.2520	8	34	79	36	Cr85	2
75101600	CRDR-HP-C4103-0650 Cr85	6.500	0.2559	8	34	79	36	Cr85	2
75101605	CRDR-HP-C4103-0660 Cr85	6.600	0.2598	8	34	79	36	Cr85	2
75101610	CRDR-HP-C4103-0670 Cr85	6.700	0.2638	8	34	79	36	Cr85	2
75101613	CRDR-HP-C4103-0675 Cr85	6.750	17/64	8	34	79	36	Cr85	2
75101615	CRDR-HP-C4103-0680 Cr85	6.800	0.2677	8	34	79	36	Cr85	2
75101620	CRDR-HP-C4103-0690 Cr85	6.900	0.2717	8	34	79	36	Cr85	2
75101625	CRDR-HP-C4103-0700 Cr85	7.000	0.2756	8	34	79	36	Cr85	2
75101630	CRDR-HP-C4103-0710 Cr85	7.100	0.2795	8	41	79	36	Cr85	2
75101633	CRDR-HP-C4103-0714 Cr85	7.140	9/32	8	41	79	36	Cr85	2
75101635	CRDR-HP-C4103-0720 Cr85	7.200	0.2835	8	41	79	36	Cr85	2
75101640	CRDR-HP-C4103-0730 Cr85	7.300	0.2874	8	41	79	36	Cr85	2
75101645	CRDR-HP-C4103-0740 Cr85	7.400	0.2913	8	41	79	36	Cr85	2
75101650	CRDR-HP-C4103-0745 Cr85	7.450	0.2933	8	41	79	36	Cr85	2
75101655	CRDR-HP-C4103-0750 Cr85	7.500	0.2953	8	41	79	36	Cr85	2
75101658	CRDR-HP-C4103-0754 Cr85	7.540	19/64	8	41	79	36	Cr85	2
75101660	CRDR-HP-C4103-0760 Cr85	7.600	0.2992	8	41	79	36	Cr85	2
75101665	CRDR-HP-C4103-0770 Cr85	7.700	0.3031	8	41	79	36	Cr85	2
75101670	CRDR-HP-C4103-0780 Cr85	7.800	0.3071	8	41	79	36	Cr85	2
75101675	CRDR-HP-C4103-0790 Cr85	7.900	0.3110	8	41	79	36	Cr85	2
75101678	CRDR-HP-C4103-0794 Cr85	7.940	5/16	8	41	79	36	Cr85	2
75101680	CRDR-HP-C4103-0800 Cr85	8.000	0.3150	8	41	79	36	Cr85	2
75101685	CRDR-HP-C4103-0810 Cr85	8.100	0.3189	10	47	89	40	Cr85	2
75101690	CRDR-HP-C4103-0820 Cr85	8.200	0.3228	10	47	89	40	Cr85	2
75101695	CRDR-HP-C4103-0830 Cr85	8.300	0.3268	10	47	89	40	Cr85	2
75101698	CRDR-HP-C4103-0833 Cr85	8.330	21/64	10	47	89	40	Cr85	2
75101700	CRDR-HP-C4103-0840 Cr85	8.400	0.3307	10	47	89	40	Cr85	2
75101705	CRDR-HP-C4103-0850 Cr85	8.500	0.3346	10	47	89	40	Cr85	2
75101710	CRDR-HP-C4103-0860 Cr85	8.600	0.3386	10	47	89	40	Cr85	2
75101715	CRDR-HP-C4103-0870 Cr85	8.700	0.3425	10	47	89	40	Cr85	2
75101718	CRDR-HP-C4103-0873 Cr85	8.730	11/32	10	47	89	40	Cr85	2
75101720	CRDR-HP-C4103-0880 Cr85	8.800	0.3465	10	47	89	40	Cr85	2
75101725	CRDR-HP-C4103-0890 Cr85	8.900	0.3504	10	47	89	40	Cr85	2
75101730	CRDR-HP-C4103-0900 Cr85	9.000	0.3543	10	47	89	40	Cr85	2



EDP Cromson	Cromson Description	Diam (d1) mm	Diam (d1) po	Diam (d2)	Long. de cannelure (l2)	L.T. (l1)	Long. Queue (l4)	Nuance Cromson	# Flûtes
75101735	CRDR-HP-C4103-0910 Cr85	9.100	0.3583	10	47	89	40	Cr85	2
75101738	CRDR-HP-C4103-0913 Cr85	9.130	23/64	10	47	89	40	Cr85	2
75101740	CRDR-HP-C4103-0920 Cr85	9.200	0.3622	10	47	89	40	Cr85	2
75101745	CRDR-HP-C4103-0930 Cr85	9.300	0.3661	10	47	89	40	Cr85	2
75101750	CRDR-HP-C4103-0940 Cr85	9.400	0.3701	10	47	89	40	Cr85	2
75101755	CRDR-HP-C4103-0950 Cr85	9.500	0.3740	10	47	89	40	Cr85	2
75101758	CRDR-HP-C4103-0953 Cr85	9.530	3/8	10	47	89	40	Cr85	2
75101760	CRDR-HP-C4103-0960 Cr85	9.600	0.3780	10	47	89	40	Cr85	2
75101765	CRDR-HP-C4103-0970 Cr85	9.700	0.3819	10	47	89	40	Cr85	2
75101770	CRDR-HP-C4103-0980 Cr85	9.800	0.3858	10	47	89	40	Cr85	2
75101775	CRDR-HP-C4103-0990 Cr85	9.900	0.3898	10	47	89	40	Cr85	2
75101778	CRDR-HP-C4103-0992 Cr85	9.920	25/64	10	47	89	40	Cr85	2
75101780	CRDR-HP-C4103-1000 Cr85	10.000	0.3937	10	47	89	40	Cr85	2
75101785	CRDR-HP-C4103-1010 Cr85	10.100	0.3976	12	55	102	45	Cr85	2
75101790	CRDR-HP-C4103-1020 Cr85	10.200	0.4016	12	55	102	45	Cr85	2
75101795	CRDR-HP-C4103-1030 Cr85	10.300	0.4055	12	55	102	45	Cr85	2
75101798	CRDR-HP-C4103-1032 Cr85	10.320	13/32	12	55	102	45	Cr85	2
75101800	CRDR-HP-C4103-1040 Cr85	10.400	0.4094	12	55	102	45	Cr85	2
75101805	CRDR-HP-C4103-1050 Cr85	10.500	0.4134	12	55	102	45	Cr85	2
75101810	CRDR-HP-C4103-1060 Cr85	10.600	0.4173	12	55	102	45	Cr85	2
75101815	CRDR-HP-C4103-1070 Cr85	10.700	0.4213	12	55	102	45	Cr85	2
75101818	CRDR-HP-C4103-1072 Cr85	10.720	27/64	12	55	102	45	Cr85	2
75101820	CRDR-HP-C4103-1080 Cr85	10.800	0.4252	12	55	102	45	Cr85	2
75101825	CRDR-HP-C4103-1090 Cr85	10.900	0.4291	12	55	102	45	Cr85	2
75101830	CRDR-HP-C4103-1100 Cr85	11.000	0.4331	12	55	102	45	Cr85	2
75101835	CRDR-HP-C4103-1110 Cr85	11.100	0.4370	12	55	102	45	Cr85	2
75101838	CRDR-HP-C4103-1111 Cr85	11.110	7/16	12	55	102	45	Cr85	2
75101840	CRDR-HP-C4103-1120 Cr85	11.200	0.4409	12	55	102	45	Cr85	2
75101845	CRDR-HP-C4103-1130 Cr85	11.300	0.4449	12	55	102	45	Cr85	2
75101850	CRDR-HP-C4103-1140 Cr85	11.400	0.4488	12	55	102	45	Cr85	2
75101855	CRDR-HP-C4103-1150 Cr85	11.500	0.4528	12	55	102	45	Cr85	2
75101860	CRDR-HP-C4103-1160 Cr85	11.600	0.4567	12	55	102	45	Cr85	2
75101865	CRDR-HP-C4103-1170 Cr85	11.700	0.4606	12	55	102	45	Cr85	2
75101870	CRDR-HP-C4103-1180 Cr85	11.800	0.4646	12	55	102	45	Cr85	2
75101875	CRDR-HP-C4103-1190 Cr85	11.900	0.4685	12	55	102	45	Cr85	2
75101880	CRDR-HP-C4103-1200 Cr85	12.000	0.4724	12	55	102	45	Cr85	2
75101885	CRDR-HP-C4103-1250 Cr85	12.500	0.4921	14	60	107	45	Cr85	2
75101890	CRDR-HP-C4103-1280 Cr85	12.800	0.5039	14	60	107	45	Cr85	2
75101895	CRDR-HP-C4103-1300 Cr85	13.000	0.5118	14	60	107	45	Cr85	2
75101900	CRDR-HP-C4103-1350 Cr85	13.500	0.5315	14	60	107	45	Cr85	2
75101905	CRDR-HP-C4103-1380 Cr85	13.800	0.5433	14	60	107	45	Cr85	2
75101910	CRDR-HP-C4103-1400 Cr85	14.000	0.5512	14	60	107	45	Cr85	2
75101915	CRDR-HP-C4103-1450 Cr85	14.500	0.5709	16	65	115	48	Cr85	2
75101918	CRDR-HP-C4103-1468 Cr85	14.680	37/64	16	65	115	48	Cr85	2

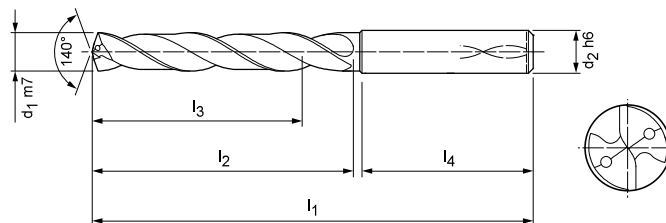
EDP Cromson	Cromson Description	Diam (d1) mm	Diam (d1) po	Diam (d2)	Long. de cannelure (l2)	L.T. (l1)	Long. Queue (l4)	Nuance Cromson	# Flûtes
75101920	CRDR-HP-C4103-1480 Cr85	14.800	0.5827	16	65	115	48	Cr85	2
75101925	CRDR-HP-C4103-1500 Cr85	15.000	0.5906	16	65	115	48	Cr85	2
75101928	CRDR-HP-C4103-1508 Cr85	15.080	19/32	16	65	115	48	Cr85	2
75101930	CRDR-HP-C4103-1550 Cr85	15.500	0.6102	16	65	115	48	Cr85	2
75101935	CRDR-HP-C4103-1580 Cr85	15.800	0.6220	16	65	115	48	Cr85	2
75101938	CRDR-HP-C4103-1588 Cr85	15.880	5/8	16	65	115	48	Cr85	2
75101940	CRDR-HP-C4103-1600 Cr85	16.000	0.6299	16	65	115	48	Cr85	2
75101945	CRDR-HP-C4103-1650 Cr85	16.500	0.6496	18	73	123	48	Cr85	2
75101948	CRDR-HP-C4103-1667 Cr85	16.670	21/32	18	73	123	48	Cr85	2
75101950	CRDR-HP-C4103-1680 Cr85	16.800	0.6614	18	73	123	48	Cr85	2
75101955	CRDR-HP-C4103-1700 Cr85	17.000	0.6693	18	73	123	48	Cr85	2
75101958	CRDR-HP-C4103-1746 Cr85	17.460	11/16	18	73	123	48	Cr85	2
75101960	CRDR-HP-C4103-1750 Cr85	17.500	0.6890	18	73	123	48	Cr85	2
75101965	CRDR-HP-C4103-1780 Cr85	17.800	0.7008	18	73	123	48	Cr85	2
75101968	CRDR-HP-C4103-1786 Cr85	17.860	45/64	18	73	123	48	Cr85	2
75101970	CRDR-HP-C4103-1800 Cr85	18.000	0.7087	18	73	123	48	Cr85	2
75101973	CRDR-HP-C4103-1826 Cr85	18.260	23/32	20	79	131	50	Cr85	2
75101975	CRDR-HP-C4103-1850 Cr85	18.500	0.7283	20	79	131	50	Cr85	2
75101980	CRDR-HP-C4103-1880 Cr85	18.800	0.7402	20	79	131	50	Cr85	2
75101985	CRDR-HP-C4103-1900 Cr85	19.000	0.7480	20	79	131	50	Cr85	2
75101988	CRDR-HP-C4103-1905 Cr85	19.050	3/4	20	79	131	50	Cr85	2
75101990	CRDR-HP-C4103-1950 Cr85	19.500	0.7677	20	79	131	50	Cr85	2
75101995	CRDR-HP-C4103-1980 Cr85	19.800	0.7795	20	79	131	50	Cr85	2
75102000	CRDR-HP-C4103-2000 Cr85	20.000	0.7874	20	79	131	50	Cr85	2
75102005	CRDR-HP-C4103-2050 Cr85	20.500	0.8071	25	93	151	56	Cr85	2
75102010	CRDR-HP-C4103-2100 Cr85	21.000	0.8268	25	93	151	56	Cr85	2
75102015	CRDR-HP-C4103-2150 Cr85	21.500	0.8465	25	93	151	56	Cr85	2
75102020	CRDR-HP-C4103-2200 Cr85	22.000	0.8661	25	93	151	56	Cr85	2
75102025	CRDR-HP-C4103-2300 Cr85	23.000	0.9055	25	96	153	56	Cr85	2
75102030	CRDR-HP-C4103-2350 Cr85	23.500	0.9252	25	96	153	56	Cr85	2
75102035	CRDR-HP-C4103-2400 Cr85	24.000	0.9449	25	96	153	56	Cr85	2
75102040	CRDR-HP-C4103-2500 Cr85	25.000	0.9843	25	96	153	56	Cr85	2

FORET EN CARBURE

DÉTAILS TECHNIQUES

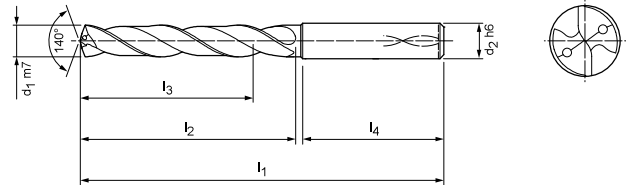
Étendue de diamètre 0,1102-0,9843 po
2,80-25,00 mm

Tolérance du trou IT9 (accessible)
Format de queue Cyl. (DIN 6535)
Nombre de flûtes 2
Nombre de marges 1
Géométrie de pointe Pointe spéciale
Angle de pointe 140°
Angle d'hélice 30°
Fluide de coupe Interne



EDP Cromson	Cromson Description	Diam (d1) mm	Diam (d1) po	Diam (d2)	Long. de cannelure (l2)	L.T. (l1)	Long. Queue (l4)	Nuance Cromson	# Flûtes
75102045	CRDR-HP-C4105-0280 Cr85	2.800	0.1102	6	28	66	36	Cr85	2
75102050	CRDR-HP-C4105-0300 Cr85	3.000	0.1181	6	28	66	36	Cr85	2
75102055	CRDR-HP-C4105-0310 Cr85	3.100	0.1220	6	28	66	36	Cr85	2
75102058	CRDR-HP-C4105-0318 Cr85	3.180	1/8	6	28	66	36	Cr85	2
75102060	CRDR-HP-C4105-0320 Cr85	3.200	0.1260	6	28	66	36	Cr85	2
75102065	CRDR-HP-C4105-0330 Cr85	3.300	0.1299	6	28	66	36	Cr85	2
75102070	CRDR-HP-C4105-0340 Cr85	3.400	0.1339	6	28	66	36	Cr85	2
75102075	CRDR-HP-C4105-0350 Cr85	3.500	0.1378	6	28	66	36	Cr85	2
75102078	CRDR-HP-C4105-0357 Cr85	3.570	9/64	6	28	66	36	Cr85	2
75102080	CRDR-HP-C4105-0360 Cr85	3.600	0.1417	6	28	66	36	Cr85	2
75102085	CRDR-HP-C4105-0370 Cr85	3.700	0.1457	6	28	66	36	Cr85	2
75102090	CRDR-HP-C4105-0380 Cr85	3.800	0.1496	6	36	74	36	Cr85	2
75102095	CRDR-HP-C4105-0390 Cr85	3.900	0.1535	6	36	74	36	Cr85	2
75102098	CRDR-HP-C4105-0397 Cr85	3.970	5/32	6	36	74	36	Cr85	2
75102100	CRDR-HP-C4105-0400 Cr85	4.000	0.1575	6	36	74	36	Cr85	2
75102105	CRDR-HP-C4105-0410 Cr85	4.100	0.1614	6	36	74	36	Cr85	2
75102110	CRDR-HP-C4105-0420 Cr85	4.200	0.1654	6	36	74	36	Cr85	2
75102115	CRDR-HP-C4105-0430 Cr85	4.300	0.1693	6	36	74	36	Cr85	2
75102118	CRDR-HP-C4105-0437 Cr85	4.370	11/64	6	36	74	36	Cr85	2
75102120	CRDR-HP-C4105-0440 Cr85	4.400	0.1732	6	36	74	36	Cr85	2
75102125	CRDR-HP-C4105-0450 Cr85	4.500	0.1772	6	36	74	36	Cr85	2
75102130	CRDR-HP-C4105-0460 Cr85	4.600	0.1811	6	36	74	36	Cr85	2
75102135	CRDR-HP-C4105-0465 Cr85	4.650	0.1831	6	36	74	36	Cr85	2
75102140	CRDR-HP-C4105-0470 Cr85	4.700	0.1850	6	36	74	36	Cr85	2
75102143	CRDR-HP-C4105-0476 Cr85	4.760	3/16	6	44	82	36	Cr85	2
75102145	CRDR-HP-C4105-0480 Cr85	4.800	0.1890	6	44	82	36	Cr85	2
75102150	CRDR-HP-C4105-0490 Cr85	4.900	0.1929	6	44	82	36	Cr85	2
75102155	CRDR-HP-C4105-0500 Cr85	5.000	0.1969	6	44	82	36	Cr85	2
75102158	CRDR-HP-C4105-0516 Cr85	5.160	13/64	6	44	82	36	Cr85	2
75102160	CRDR-HP-C4105-0510 Cr85	5.100	0.2031	6	44	82	36	Cr85	2
75102165	CRDR-HP-C4105-0520 Cr85	5.200	0.2047	6	44	82	36	Cr85	2

EDP Cromson	Cromson Description	Diam (d1) mm	Diam (d1) po	Diam (d2)	Long. de cannelure (l2)	L.T. (l1)	Long. Queue (l4)	Nuance Cromson	# Flûtes
75102170	CRDR-HP-C4105-0530 Cr85	5.300	0.2087	6	44	82	36	Cr85	2
75102175	CRDR-HP-C4105-0540 Cr85	5.400	0.2126	6	44	82	36	Cr85	2
75102180	CRDR-HP-C4105-0550 Cr85	5.500	0.2165	6	44	82	36	Cr85	2
75102185	CRDR-HP-C4105-0555 Cr85	5.550	0.2185	6	44	82	36	Cr85	2
75102188	CRDR-HP-C4105-0556 Cr85	5.560	7/32	6	44	82	36	Cr85	2
75102190	CRDR-HP-C4105-0560 Cr85	5.600	0.2205	6	44	82	36	Cr85	2
75102195	CRDR-HP-C4105-0570 Cr85	5.700	0.2244	6	44	82	36	Cr85	2
75102200	CRDR-HP-C4105-0580 Cr85	5.800	0.2283	6	44	82	36	Cr85	2
75102205	CRDR-HP-C4105-0590 Cr85	5.900	0.2323	6	44	82	36	Cr85	2
75102208	CRDR-HP-C4105-0595 Cr85	5.950	15/64	6	44	82	36	Cr85	2
75102210	CRDR-HP-C4105-0600 Cr85	6.000	0.2362	6	44	82	36	Cr85	2
75102215	CRDR-HP-C4105-0610 Cr85	6.100	0.2402	8	53	91	36	Cr85	2
75102220	CRDR-HP-C4105-0620 Cr85	6.200	0.2441	8	53	91	36	Cr85	2
75102225	CRDR-HP-C4105-0630 Cr85	6.300	0.2480	8	53	91	36	Cr85	2
75102228	CRDR-HP-C4105-0635 Cr85	6.350	1/4	8	53	91	36	Cr85	2
75102230	CRDR-HP-C4105-0640 Cr85	6.400	0.2520	8	53	91	36	Cr85	2
75102235	CRDR-HP-C4105-0650 Cr85	6.500	0.2559	8	53	91	36	Cr85	2
75102240	CRDR-HP-C4105-0660 Cr85	6.600	0.2598	8	53	91	36	Cr85	2
75102245	CRDR-HP-C4105-0670 Cr85	6.700	0.2638	8	53	91	36	Cr85	2
75102248	CRDR-HP-C4105-0675 Cr85	6.750	17/64	8	53	91	36	Cr85	2
75102250	CRDR-HP-C4105-0680 Cr85	6.800	0.2677	8	53	91	36	Cr85	2
75102255	CRDR-HP-C4105-0690 Cr85	6.900	0.2717	8	53	91	36	Cr85	2
75102260	CRDR-HP-C4105-0700 Cr85	7.000	0.2756	8	53	91	36	Cr85	2
75102265	CRDR-HP-C4105-0710 Cr85	7.100	0.2795	8	53	91	36	Cr85	2
75102268	CRDR-HP-C4105-0714 Cr85	7.140	9/32	8	53	91	36	Cr85	2
75102270	CRDR-HP-C4105-0720 Cr85	7.200	0.2835	8	53	91	36	Cr85	2
75102275	CRDR-HP-C4105-0730 Cr85	7.300	0.2874	8	53	91	36	Cr85	2
75102280	CRDR-HP-C4105-0740 Cr85	7.400	0.2913	8	53	91	36	Cr85	2
75102285	CRDR-HP-C4105-0745 Cr85	7.450	0.2933	8	53	91	36	Cr85	2
75102290	CRDR-HP-C4105-0750 Cr85	7.500	0.2953	8	53	91	36	Cr85	2
75102293	CRDR-HP-C4105-0754 Cr86	7.540	19/64	8	53	91	36	Cr85	2
75102295	CRDR-HP-C4105-0760 Cr85	7.600	0.2992	8	53	91	36	Cr85	2
75102300	CRDR-HP-C4105-0770 Cr85	7.700	0.3031	8	53	91	36	Cr85	2
75102305	CRDR-HP-C4105-0780 Cr85	7.800	0.3071	8	53	91	36	Cr85	2
75102310	CRDR-HP-C4105-0790 Cr85	7.900	0.3110	8	53	91	36	Cr85	2
75102313	CRDR-HP-C4105-0794 Cr86	7.940	5/16	8	53	91	36	Cr85	2
75102315	CRDR-HP-C4105-0800 Cr85	8.000	0.3150	8	53	91	36	Cr85	2
75102320	CRDR-HP-C4105-0810 Cr85	8.100	0.3189	10	61	103	40	Cr85	2
75102325	CRDR-HP-C4105-0820 Cr85	8.200	0.3228	10	61	103	40	Cr85	2
75102330	CRDR-HP-C4105-0830 Cr85	8.300	0.3268	10	61	103	40	Cr85	2
75102333	CRDR-HP-C4105-0833 Cr85	8.330	21/64	10	61	103	40	Cr85	2
75102335	CRDR-HP-C4105-0840 Cr85	8.400	0.3307	10	61	103	40	Cr85	2
75102340	CRDR-HP-C4105-0850 Cr85	8.500	0.3346	10	61	103	40	Cr85	2
75102345	CRDR-HP-C4105-0860 Cr85	8.600	0.3386	10	61	103	40	Cr85	2
75102350	CRDR-HP-C4105-0870 Cr85	8.700	0.3425	10	61	103	40	Cr85	2
75102353	CRDR-HP-C4105-0873 Cr85	8.730	11/32	10	61	103	40	Cr85	2
75102355	CRDR-HP-C4105-0880 Cr85	8.800	0.3465	10	61	103	40	Cr85	2
75102360	CRDR-HP-C4105-0890 Cr85	8.900	0.3504	10	61	103	40	Cr85	2
75102365	CRDR-HP-C4105-0900 Cr85	9.000	0.3543	10	61	103	40	Cr85	2



EDP Cromson	Cromson Description	Diam (d1) mm	Diam (d1) po	Diam (d2)	Long. de cannelure (l2)	L.T. (l1)	Long. Queue (l4)	Nuance Cromson	# Flûtes
75102370	CRDR-HP-C4105-0910 Cr85	9.100	0.3583	10	61	103	40	Cr85	2
75102373	CRDR-HP-C4105-0913 Cr85	9.130	23/64	10	61	103	40	Cr85	2
75102375	CRDR-HP-C4105-0920 Cr85	9.200	0.3622	10	61	103	40	Cr85	2
75102380	CRDR-HP-C4105-0930 Cr85	9.300	0.3661	10	61	103	40	Cr85	2
75102385	CRDR-HP-C4105-0940 Cr85	9.400	0.3701	10	61	103	40	Cr85	2
75102390	CRDR-HP-C4105-0950 Cr85	9.500	0.3740	10	61	103	40	Cr85	2
75102393	CRDR-HP-C4105-0953 Cr85	9.530	3/8	10	61	103	40	Cr85	2
75102395	CRDR-HP-C4105-0960 Cr85	9.600	0.3780	10	61	103	40	Cr85	2
75102400	CRDR-HP-C4105-0970 Cr85	9.700	0.3819	10	61	103	40	Cr85	2
75102405	CRDR-HP-C4105-0980 Cr85	9.800	0.3858	10	61	103	40	Cr85	2
75102410	CRDR-HP-C4105-0990 Cr85	9.900	0.3898	10	61	103	40	Cr85	2
75102413	CRDR-HP-C4105-0992 Cr85	9.920	25/64	10	61	103	40	Cr85	2
75102415	CRDR-HP-C4105-1000 Cr85	10.000	0.3937	10	61	103	40	Cr85	2
75102420	CRDR-HP-C4105-1010 Cr85	10.100	0.3976	12	71	118	45	Cr85	2
75102425	CRDR-HP-C4105-1020 Cr85	10.200	0.4016	12	71	118	45	Cr85	2
75102430	CRDR-HP-C4105-1030 Cr85	10.300	0.4055	12	71	118	45	Cr85	2
75102433	CRDR-HP-C4105-1032 Cr85	10.320	13/32	12	71	118	45	Cr85	2
75102435	CRDR-HP-C4105-1040 Cr85	10.400	0.4094	12	71	118	45	Cr85	2
75102440	CRDR-HP-C4105-1050 Cr85	10.500	0.4134	12	71	118	45	Cr85	2
75102445	CRDR-HP-C4105-1060 Cr85	10.600	0.4173	12	71	118	45	Cr85	2
75102450	CRDR-HP-C4105-1070 Cr85	10.700	0.4213	12	71	118	45	Cr85	2
75102453	CRDR-HP-C4105-1072 Cr85	10.720	27/64	12	71	118	45	Cr85	2
75102455	CRDR-HP-C4105-1080 Cr85	10.800	0.4252	12	71	118	45	Cr85	2
75102460	CRDR-HP-C4105-1090 Cr85	10.900	0.4291	12	71	118	45	Cr85	2
75102465	CRDR-HP-C4105-1100 Cr85	11.000	0.4331	12	71	118	45	Cr85	2
75102470	CRDR-HP-C4105-1110 Cr85	11.100	0.4370	12	71	118	45	Cr85	2
75102473	CRDR-HP-C4105-1111 Cr85	11.110	7/16	12	71	118	45	Cr85	2
75102475	CRDR-HP-C4105-1120 Cr85	11.200	0.4409	12	71	118	45	Cr85	2
75102480	CRDR-HP-C4105-1130 Cr85	11.300	0.4449	12	71	118	45	Cr85	2
75102485	CRDR-HP-C4105-1140 Cr85	11.400	0.4488	12	71	118	45	Cr85	2
75102490	CRDR-HP-C4105-1150 Cr85	11.500	0.4528	12	71	118	45	Cr85	2
75102495	CRDR-HP-C4105-1160 Cr85	11.600	0.4567	12	71	118	45	Cr85	2
75102500	CRDR-HP-C4105-1170 Cr85	11.700	0.4606	12	71	118	45	Cr85	2
75102505	CRDR-HP-C4105-1180 Cr85	11.800	0.4646	12	71	118	45	Cr85	2
75102510	CRDR-HP-C4105-1190 Cr85	11.900	0.4685	12	71	118	45	Cr85	2
75102515	CRDR-HP-C4105-1200 Cr85	12.000	0.4724	12	71	118	45	Cr85	2
75102520	CRDR-HP-C4105-1250 Cr85	12.500	0.4921	14	77	124	45	Cr85	2
75102525	CRDR-HP-C4105-1280 Cr85	12.800	0.5039	14	77	124	45	Cr85	2
75102530	CRDR-HP-C4105-1300 Cr85	13.000	0.5118	14	77	124	45	Cr85	2
75102535	CRDR-HP-C4105-1350 Cr85	13.500	0.5315	14	77	124	45	Cr85	2
75102540	CRDR-HP-C4105-1380 Cr85	13.800	0.5433	14	77	124	45	Cr85	2
75102545	CRDR-HP-C4105-1400 Cr85	14.000	0.5512	14	77	124	45	Cr85	2
75102550	CRDR-HP-C4105-1450 Cr85	14.500	0.5709	16	83	133	48	Cr85	2
75102553	CRDR-HP-C4105-1468 Cr85	14.680	37/64	16	83	133	48	Cr85	2

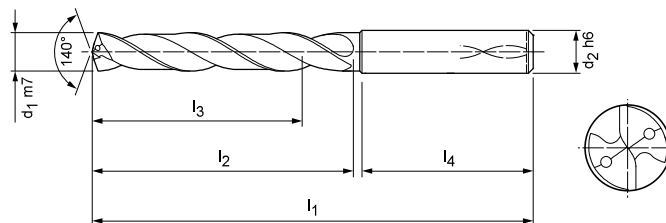
EDP Cromson	Cromson Description	Diam (d1) mm	Diam (d1) po	Diam (d2)	Long. de cannelure (l2)	L.T. (l1)	Long. Queue (l4)	Nuance Cromson	# Flûtes
75102555	CRDR-HP-C4105-1480 Cr85	14.800	0.5827	16	83	133	48	Cr85	2
75102560	CRDR-HP-C4105-1500 Cr85	15.000	0.5906	16	83	133	48	Cr85	2
75102563	CRDR-HP-C4105-1508 Cr85	15.080	19/32	16	83	133	48	Cr85	2
75102565	CRDR-HP-C4105-1550 Cr85	15.500	0.6102	16	83	133	48	Cr85	2
75102570	CRDR-HP-C4105-1580 Cr85	15.800	0.6220	16	83	133	48	Cr85	2
75102573	CRDR-HP-C4105-1588 Cr85	15.880	5/8	16	83	133	48	Cr85	2
75102575	CRDR-HP-C4105-1600 Cr85	16.000	0.6299	16	83	133	48	Cr85	2
75102580	CRDR-HP-C4105-1650 Cr85	16.500	0.6496	18	93	143	48	Cr85	2
75102583	CRDR-HP-C4105-1667 Cr85	16.670	21/32	18	93	143	48	Cr85	2
75102585	CRDR-HP-C4105-1680 Cr85	16.800	0.6614	18	93	143	48	Cr85	2
75102590	CRDR-HP-C4105-1700 Cr85	17.000	0.6693	18	93	143	48	Cr85	2
75102593	CRDR-HP-C4105-1746 Cr85	17.460	11/16	18	93	143	48	Cr85	2
75102595	CRDR-HP-C4105-1750 Cr85	17.500	0.6890	18	93	143	48	Cr85	2
75102600	CRDR-HP-C4105-1780 Cr85	17.800	0.7008	18	93	143	48	Cr85	2
75102603	CRDR-HP-C4105-1786 Cr85	17.860	45/64	18	93	143	48	Cr85	2
75102605	CRDR-HP-C4105-1800 Cr85	18.000	0.7087	18	93	143	48	Cr85	2
75102608	CRDR-HP-C4105-1826 Cr85	18.260	23/32	20	101	153	50	Cr85	2
75102610	CRDR-HP-C4105-1850 Cr85	18.500	0.7283	20	101	153	50	Cr85	2
75102615	CRDR-HP-C4105-1880 Cr85	18.800	0.7402	20	101	153	50	Cr85	2
75102620	CRDR-HP-C4105-1900 Cr85	19.000	0.7480	20	101	153	50	Cr85	2
75102623	CRDR-HP-C4105-1905 Cr85	19.050	3/4	20	101	153	50	Cr85	2
75102625	CRDR-HP-C4105-1950 Cr85	19.500	0.7677	20	101	153	50	Cr85	2
75102630	CRDR-HP-C4105-1980 Cr85	19.800	0.7795	20	101	153	50	Cr85	2
75102635	CRDR-HP-C4105-2000 Cr85	20.000	0.7874	20	101	153	50	Cr85	2
75102640	CRDR-HP-C4105-2050 Cr85	20.500	0.8071	25	135	200	56	Cr85	2
75102645	CRDR-HP-C4105-2100 Cr85	21.000	0.8268	25	135	200	56	Cr85	2
75102650	CRDR-HP-C4105-2150 Cr85	21.500	0.8465	25	135	200	56	Cr85	2
75102655	CRDR-HP-C4105-2200 Cr85	22.000	0.8661	25	135	200	56	Cr85	2
75102660	CRDR-HP-C4105-2250 Cr85	22.500	0.8858	25	140	200	56	Cr85	2
75102665	CRDR-HP-C4105-2300 Cr85	23.000	0.9055	25	140	200	56	Cr85	2
75102670	CRDR-HP-C4105-2350 Cr85	23.500	0.9252	25	140	200	56	Cr85	2
75102675	CRDR-HP-C4105-2400 Cr85	24.000	0.9449	25	140	200	56	Cr85	2
75102680	CRDR-HP-C4105-2450 Cr85	24.500	0.9646	25	140	200	56	Cr85	2
75102685	CRDR-HP-C4105-2500 Cr85	25.000	0.9843	25	140	200	56	Cr85	2

FORET EN CARBURE

DÉTAILS TECHNIQUES

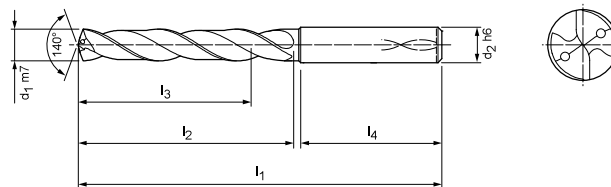
Étendue de diamètre 0,1181-0,9843 po
3,00-25,00 mm

Tolérance du trou IT9 (accessible)
Format de queue Cyl. (DIN 6535)
Nombre de flûtes 2
Nombre de marges 1
Géométrie de pointe Pointe spéciale
Angle de pointe 140°.
Angle d'hélice 30°
Fluide de coupe Interne



EDP Cromson	Cromson Description	Diam (d1) mm	Diam (d1) po	Diam (d2)	Long. de cannelure (l2)	L.T. (l1)	Long. Queue (l4)	Nuance Cromson	# Flûtes
75102690	CRDR-HP-C4108-0300 Cr85	3.000	0.1181	6	34	72	36	Cr85	2
75102695	CRDR-HP-C4108-0310 Cr85	3.100	0.1220	6	34	72	36	Cr85	2
75102698	CRDR-HP-C4108-0318 Cr85	3.180	1/8	6	34	72	36	Cr85	2
75102700	CRDR-HP-C4108-0320 Cr85	3.200	0.1260	6	34	72	36	Cr85	2
75102705	CRDR-HP-C4108-0330 Cr85	3.300	0.1299	6	34	72	36	Cr85	2
75102710	CRDR-HP-C4108-0340 Cr85	3.400	0.1339	6	34	72	36	Cr85	2
75102715	CRDR-HP-C4108-0350 Cr85	3.500	0.1378	6	34	72	36	Cr85	2
75102718	CRDR-HP-C4108-0357 Cr85	3.570	9/64	6	34	72	36	Cr85	2
75102720	CRDR-HP-C4108-0360 Cr85	3.600	0.1417	6	34	72	36	Cr85	2
75102725	CRDR-HP-C4108-0370 Cr85	3.700	0.1457	6	34	72	36	Cr85	2
75102730	CRDR-HP-C4108-0380 Cr85	3.800	0.1496	6	43	81	36	Cr85	2
75102735	CRDR-HP-C4108-0390 Cr85	3.900	0.1535	6	43	81	36	Cr85	2
75102738	CRDR-HP-C4108-0397 Cr85	3.970	5/32	6	43	81	36	Cr85	2
75102740	CRDR-HP-C4108-0400 Cr85	4.000	0.1575	6	43	81	36	Cr85	2
75102745	CRDR-HP-C4108-0410 Cr85	4.100	0.1614	6	43	81	36	Cr85	2
75102750	CRDR-HP-C4108-0420 Cr85	4.200	0.1654	6	43	81	36	Cr85	2
75102755	CRDR-HP-C4108-0430 Cr85	4.300	0.1693	6	43	81	36	Cr85	2
75102758	CRDR-HP-C4108-0437 Cr85	4.370	11/64	6	43	81	36	Cr85	2
75102760	CRDR-HP-C4108-0440 Cr85	4.400	0.1732	6	43	81	36	Cr85	2
75102765	CRDR-HP-C4108-0450 Cr85	4.500	0.1772	6	43	81	36	Cr85	2
75102770	CRDR-HP-C4108-0460 Cr85	4.600	0.1811	6	43	81	36	Cr85	2
75102775	CRDR-HP-C4108-0470 Cr85	4.700	0.1850	6	43	81	36	Cr85	2
75102778	CRDR-HP-C4108-0476 Cr85	4.760	3/16	6	57	95	36	Cr85	2
75102780	CRDR-HP-C4108-0480 Cr85	4.800	0.1890	6	57	95	36	Cr85	2
75102785	CRDR-HP-C4108-0490 Cr85	4.900	0.1929	6	57	95	36	Cr85	2
75102790	CRDR-HP-C4108-0500 Cr85	5.000	0.1969	6	57	95	36	Cr85	2
75102795	CRDR-HP-C4108-0510 Cr85	5.100	0.2008	6	57	95	36	Cr85	2
75102798	CRDR-HP-C4108-0516 Cr85	5.160	13/64	6	57	95	36	Cr85	2
75102800	CRDR-HP-C4108-0520 Cr85	5.200	0.2047	6	57	95	36	Cr85	2
75102805	CRDR-HP-C4108-0530 Cr85	5.300	0.2087	6	57	95	36	Cr85	2
75102810	CRDR-HP-C4108-0540 Cr85	5.400	0.2126	6	57	95	36	Cr85	2

EDP Cromson	Cromson Description	Diam (d1) mm	Diam (d1) po	Diam (d2)	Long. de cannelure (l2)	L.T. (l1)	Long. Queue (l4)	Nuance Cromson	# Flûtes
75102815	CRDR-HP-C4108-0550 Cr85	5.500	0.2165	6	57	95	36	Cr85	2
75102818	CRDR-HP-C4108-0556 Cr85	5.560	7/32	6	57	95	36	Cr85	2
75102820	CRDR-HP-C4108-0560 Cr85	5.600	0.2205	6	57	95	36	Cr85	2
75102825	CRDR-HP-C4108-0570 Cr85	5.700	0.2244	6	57	95	36	Cr85	2
75102830	CRDR-HP-C4108-0580 Cr85	5.800	0.2283	6	57	95	36	Cr85	2
75102835	CRDR-HP-C4108-0590 Cr85	5.900	0.2323	6	57	95	36	Cr85	2
75102838	CRDR-HP-C4108-0595 Cr85	5.950	15/64	6	57	95	36	Cr85	2
75102840	CRDR-HP-C4108-0600 Cr85	6.000	0.2362	6	57	95	36	Cr85	2
75102845	CRDR-HP-C4108-0610 Cr85	6.100	0.2402	8	76	114	36	Cr85	2
75102850	CRDR-HP-C4108-0620 Cr85	6.200	0.2441	8	76	114	36	Cr85	2
75102855	CRDR-HP-C4108-0630 Cr85	6.300	0.2480	8	76	114	36	Cr85	2
75102858	CRDR-HP-C4108-0635 Cr85	6.350	1/4	8	76	114	36	Cr85	2
75102860	CRDR-HP-C4108-0640 Cr85	6.400	0.2520	8	76	114	36	Cr85	2
75102865	CRDR-HP-C4108-0650 Cr85	6.500	0.2559	8	76	114	36	Cr85	2
75102870	CRDR-HP-C4108-0660 Cr85	6.600	0.2598	8	76	114	36	Cr85	2
75102875	CRDR-HP-C4108-0670 Cr85	6.700	0.2638	8	76	114	36	Cr85	2
75102878	CRDR-HP-C4108-0675 Cr85	6.750	17/64	8	76	114	36	Cr85	2
75102880	CRDR-HP-C4108-0680 Cr85	6.800	0.2677	8	76	114	36	Cr85	2
75102885	CRDR-HP-C4108-0690 Cr85	6.900	0.2717	8	76	114	36	Cr85	2
75102890	CRDR-HP-C4108-0700 Cr85	7.000	0.2756	8	76	114	36	Cr85	2
75102895	CRDR-HP-C4108-0710 Cr85	7.100	0.2795	8	76	114	36	Cr85	2
75102898	CRDR-HP-C4108-0714 Cr85	7.140	9/32	8	76	114	36	Cr85	2
75102900	CRDR-HP-C4108-0720 Cr85	7.200	0.2835	8	76	114	36	Cr85	2
75102905	CRDR-HP-C4108-0730 Cr85	7.300	0.2874	8	76	114	36	Cr85	2
75102910	CRDR-HP-C4108-0740 Cr85	7.400	0.2913	8	76	114	36	Cr85	2
75102915	CRDR-HP-C4108-0750 Cr85	7.500	0.2953	8	76	114	36	Cr85	2
75102918	CRDR-HP-C4108-0754 Cr85	7.540	19/64	8	76	114	36	Cr85	2
75102920	CRDR-HP-C4108-0760 Cr85	7.600	0.2992	8	76	114	36	Cr85	2
75102925	CRDR-HP-C4108-0770 Cr85	7.700	0.3031	8	76	114	36	Cr85	2
75102930	CRDR-HP-C4108-0780 Cr85	7.800	0.3071	8	76	114	36	Cr85	2
75102935	CRDR-HP-C4108-0790 Cr85	7.900	0.3110	8	76	114	36	Cr85	2
75102938	CRDR-HP-C4108-0794 Cr85	7.940	5/16	8	76	114	36	Cr85	2
75102940	CRDR-HP-C4108-0800 Cr85	8.000	0.3150	8	76	114	36	Cr85	2
75102945	CRDR-HP-C4108-0810 Cr85	8.100	0.3189	10	95	142	40	Cr85	2
75102950	CRDR-HP-C4108-0820 Cr85	8.200	0.3228	10	95	142	40	Cr85	2
75102955	CRDR-HP-C4108-0830 Cr85	8.300	0.3268	10	95	142	40	Cr85	2
75102958	CRDR-HP-C4108-0833 Cr85	8.330	21/64	10	95	142	40	Cr85	2
75102960	CRDR-HP-C4108-0840 Cr85	8.400	0.3307	10	95	142	40	Cr85	2
75102965	CRDR-HP-C4108-0850 Cr85	8.500	0.3346	10	95	142	40	Cr85	2
75102970	CRDR-HP-C4108-0860 Cr85	8.600	0.3386	10	95	142	40	Cr85	2
75102975	CRDR-HP-C4108-0870 Cr85	8.700	0.3425	10	95	142	40	Cr85	2
75102978	CRDR-HP-C4108-0873 Cr86	8.730	11/32	10	95	142	40	Cr85	2
75102980	CRDR-HP-C4108-0880 Cr85	8.800	0.3465	10	95	142	40	Cr85	2
75102985	CRDR-HP-C4108-0890 Cr85	8.900	0.3504	10	95	142	40	Cr85	2
75102990	CRDR-HP-C4108-0900 Cr85	9.000	0.3543	10	95	142	40	Cr85	2
75102995	CRDR-HP-C4108-0910 Cr85	9.100	0.3583	10	95	142	40	Cr85	2
75102998	CRDR-HP-C4108-0913 Cr85	9.130	23/64	10	95	142	40	Cr85	2
75103000	CRDR-HP-C4108-0920 Cr85	9.200	0.3622	10	95	142	40	Cr85	2
75103005	CRDR-HP-C4108-0930 Cr85	9.300	0.3661	10	95	142	40	Cr85	2



EDP Cromson	Cromson Description	Diam (d1) mm	Diam (d1) po	Diam (d2)	Long. de cannelure (l2)	L.T. (l1)	Long. Queue (l4)	Nuance Cromson	# Flûtes
75103010	CRDR-HP-C4108-0940 Cr85	9.400	0.3701	10	95	142	40	Cr85	2
75103015	CRDR-HP-C4108-0950 Cr85	9.500	0.3740	10	95	142	40	Cr85	2
75103018	CRDR-HP-C4108-0953 Cr85	9.530	3/8	10	95	142	40	Cr85	2
75103020	CRDR-HP-C4108-0960 Cr85	9.600	0.3780	10	95	142	40	Cr85	2
75103025	CRDR-HP-C4108-0970 Cr85	9.700	0.3819	10	95	142	40	Cr85	2
75103030	CRDR-HP-C4108-0980 Cr85	9.800	0.3858	10	95	142	40	Cr85	2
75103035	CRDR-HP-C4108-0990 Cr85	9.900	0.3898	10	95	142	40	Cr85	2
75103038	CRDR-HP-C4108-0992 Cr85	9.920	25/64	10	95	142	40	Cr85	2
75103040	CRDR-HP-C4108-1000 Cr85	10.000	0.3937	10	95	142	40	Cr85	2
75103045	CRDR-HP-C4108-1010 Cr85	10.100	0.3976	12	114	162	45	Cr85	2
75103050	CRDR-HP-C4108-1020 Cr85	10.200	0.4016	12	114	162	45	Cr85	2
75103055	CRDR-HP-C4108-1030 Cr85	10.300	0.4055	12	114	162	45	Cr85	2
75103058	CRDR-HP-C4108-1032 Cr85	10.320	13/32	12	114	162	45	Cr85	2
75103060	CRDR-HP-C4108-1040 Cr85	10.400	0.4094	12	114	162	45	Cr85	2
75103065	CRDR-HP-C4108-1050 Cr85	10.500	0.4134	12	114	162	45	Cr85	2
75103070	CRDR-HP-C4108-1060 Cr85	10.600	0.4173	12	114	162	45	Cr85	2
75103075	CRDR-HP-C4108-1070 Cr85	10.700	0.4213	12	114	162	45	Cr85	2
75103078	CRDR-HP-C4108-1072 Cr85	10.720	27/64	12	114	162	45	Cr85	2
75103080	CRDR-HP-C4108-1080 Cr85	10.800	0.4252	12	114	162	45	Cr85	2
75103085	CRDR-HP-C4108-1090 Cr85	10.900	0.4291	12	114	162	45	Cr85	2
75103090	CRDR-HP-C4108-1100 Cr85	11.000	0.4331	12	114	162	45	Cr85	2
75103095	CRDR-HP-C4108-1110 Cr85	11.100	0.4370	12	114	162	45	Cr85	2
75103098	CRDR-HP-C4108-1111 Cr85	11.110	7/16	12	114	162	45	Cr85	2
75103100	CRDR-HP-C4108-1120 Cr85	11.200	0.4409	12	114	162	45	Cr85	2
75103105	CRDR-HP-C4108-1130 Cr85	11.300	0.4449	12	114	162	45	Cr85	2
75103110	CRDR-HP-C4108-1140 Cr85	11.400	0.4488	12	114	162	45	Cr85	2
75103115	CRDR-HP-C4108-1150 Cr85	11.500	0.4528	12	114	162	45	Cr85	2
75103120	CRDR-HP-C4108-1160 Cr85	11.600	0.4567	12	114	162	45	Cr85	2
75103125	CRDR-HP-C4108-1170 Cr85	11.700	0.4606	12	114	162	45	Cr85	2
75103130	CRDR-HP-C4108-1180 Cr85	11.800	0.4646	12	114	162	45	Cr85	2
75103135	CRDR-HP-C4108-1190 Cr85	11.900	0.4685	12	114	162	45	Cr85	2
75103140	CRDR-HP-C4108-1200 Cr85	12.000	0.4724	12	114	162	45	Cr85	2
75103145	CRDR-HP-C4108-1250 Cr85	12.500	0.4921	14	133	178	45	Cr85	2
75103150	CRDR-HP-C4108-1280 Cr85	12.800	0.5039	14	133	178	45	Cr85	2
75103155	CRDR-HP-C4108-1300 Cr85	13.000	0.5118	14	133	178	45	Cr85	2
75103160	CRDR-HP-C4108-1350 Cr85	13.500	0.5315	14	133	178	45	Cr85	2
75103165	CRDR-HP-C4108-1380 Cr85	13.800	0.5433	14	133	178	45	Cr85	2
75103170	CRDR-HP-C4108-1400 Cr85	14.000	0.5512	14	133	178	45	Cr85	2
75103175	CRDR-HP-C4108-1450 Cr85	14.500	0.5709	16	152	203	48	Cr85	2
75103178	CRDR-HP-C4108-1468 Cr86	14.680	37/64	16	152	203	48	Cr85	2
75103180	CRDR-HP-C4108-1480 Cr85	14.800	0.5827	16	152	203	48	Cr85	2
75103185	CRDR-HP-C4108-1500 Cr85	15.000	0.5906	16	152	203	48	Cr85	2
75103188	CRDR-HP-C4108-1508 Cr85	15.080	19/32	16	152	203	48	Cr85	2
75103190	CRDR-HP-C4108-1550 Cr85	15.500	0.6102	16	152	203	48	Cr85	2

EDP Cromson	Cromson Description	Diam (d1) mm	Diam (d1) po	Diam (d2)	Long. de cannelure (l2)	L.T. (l1)	Long. Queue (l4)	Nuance Cromson	# Flûtes
75103195	CRDR-HP-C4108-1580 Cr85	15.800	0.6220	16	152	203	48	Cr85	2
75103198	CRDR-HP-C4108-1588 Cr85	15.880	5/8	16	152	203	48	Cr85	2
75103200	CRDR-HP-C4108-1600 Cr85	16.000	0.6299	16	152	203	48	Cr85	2
75103205	CRDR-HP-C4108-1650 Cr85	16.500	0.6496	18	171	222	48	Cr85	2
75103208	CRDR-HP-C4108-1667 Cr85	16.670	21/32	18	171	222	48	Cr85	2
75103210	CRDR-HP-C4108-1680 Cr85	16.800	0.6614	18	171	222	48	Cr85	2
75103215	CRDR-HP-C4108-1700 Cr85	17.000	0.6693	18	171	222	48	Cr85	2
75103218	CRDR-HP-C4108-1746 Cr85	17.460	11/16	18	171	222	48	Cr85	2
75103220	CRDR-HP-C4108-1750 Cr85	17.500	0.6890	18	171	222	48	Cr85	2
75103225	CRDR-HP-C4108-1780 Cr85	17.800	0.7008	18	171	222	48	Cr85	2
75103228	CRDR-HP-C4108-1786 Cr85	17.860	45/64	18	171	222	48	Cr85	2
75103230	CRDR-HP-C4108-1800 Cr85	18.000	0.7087	18	171	222	48	Cr85	2
75103233	CRDR-HP-C4108-1826 Cr85	18.260	23/32	20	190	243	50	Cr85	2
75103235	CRDR-HP-C4108-1850 Cr85	18.500	0.7283	20	190	243	50	Cr85	2
75103240	CRDR-HP-C4108-1880 Cr85	18.800	0.7402	20	190	243	50	Cr85	2
75103245	CRDR-HP-C4108-1900 Cr85	19.000	0.7480	20	190	243	50	Cr85	2
75103248	CRDR-HP-C4108-1905 Cr85	19.050	3/4	20	190	243	50	Cr85	2
75103250	CRDR-HP-C4108-1950 Cr85	19.500	0.7677	20	190	243	50	Cr85	2
75103255	CRDR-HP-C4108-1980 Cr85	19.800	0.7795	20	190	243	50	Cr85	2
75103260	CRDR-HP-C4108-2000 Cr85	20.000	0.7874	20	190	243	50	Cr85	2

CROMSTEEL-C4000												
Matériaux	Dureté Rockwell (HRC) Dureté Brinell (BHN) Résistance à la traction (N/mm²)				Gamme de produit/ description				Avance recommandée (f) pour étendue diamètres			
	HRC	BHN	N/mm²		C4103 (3 x d)		C4105 et C4108 (5 x d)		C4108 (8 x d)		IPR	mm/rev
					SFM	m/min	SFM	m/min	SFM	m/min		
Acier non allié, acier moulé 1018, 1108, 1161, 12114, 1522, 1572	jusqu'à 8	jusqu'à 178	jusqu'à 600		312-377	95-115	312-377	95-115	312-377	95-115	,004-.007	0,10-0,18
	jusqu'à 15	jusqu'à 205	jusqu'à 700 Plus de 700		279-344	85-105	279-344	85-105	279-344	85-105	,004-.007	0,10-0,18
Acier allié 5132, 4130, 8620, 4340, 5140, 6150	plus de 15	plus de 205			246-295	75-90	246-295	75-90	246-295	75-90	,004-.008	0,10-0,20
Acier inoxydable 410, 416	jusqu'à 27	jusqu'à 266	jusqu'à 900		197-279	60-85	197-279	60-85	197-279	60-85	,004-.008	0,10-0,20
	jusqu'à 31	jusqu'à 297	jusqu'à 1000		164-230	50-70	164-230	50-70	164-230	50-70	,004-.006	0,10-0,15
Acier inoxydable modéré 17-4PH, 15-5PH, 316L	plus de 31	plus de 297	plus de 1000		131-197	40-60	131-197	40-60	131-197	40-60	,004-.006	0,10-0,15
Acier inoxydable résistant à l'acide (Cr-Ni-Alloys) 304, 316, 17CrNi19-2					164-230	50-70	164-230	50-70	164-230	50-70	,002-.005	0,06-0,12
					98-164	30-50	131-197	40-60	131-197	40-60	,002-.005	0,06-0,12
Fonte, fonte grise et allié GG10-GG40, A48	jusqu'à 14	jusqu'à 200	jusqu'à 680		262-427	80-130	262-427	80-130	262-427	80-130	,004-.010	0,10-0,25
	jusqu'à 24	jusqu'à 250	jusqu'à 850		230-377	70-115	230-377	70-115	230-377	70-115	,004-.008	0,10-0,20
Fonte à graphite, fonte maléable GGG40, GGG80	plus de 24	plus de 2050	plus de 850		197-328	60-100	197-328	60-100	197-328	60-100	,004-.008	0,10-0,20
Aluminium (Si % >10%) 6061, 2025, 2028, 360	jusqu'à 8	jusqu'à 178	jusqu'à 600		246-295	75-90	246-295	75-90	246-295	75-90	,004-.008	0,10-0,20
	plus de 8	plus de 178	plus de 650		213-262	65-80	213-262	65-80	213-262	65-80	,003-.006	0,08-0,15
Aluminium (Si % <10%) 413, 385, A390												
Cuivre, brass, bronze beryllium-cuivre, brass naval, AlMPCO												
Alliage de titanium Ti6Al4V,												
Alliage réfractaire inconel, haynes, waspaloy, hastelloy												
Fonte	38-48	50-55	1172-1527									
	56-60	61-65	1614-1870									
Acier trempé 50-60 HRC												

** Ces valeurs ne sont qu'un guide de départ. Les paramètres optimaux pour un procédé spécifique devrait être déterminé par les essais durant l'usinage.