

CSC CANADIAN SPECIALTY CASTINGS			CSC Standard en acier inoxydable Grades 2016																				Si votre note requise n'est pas indiquée, veuillez communiquer avec l'ingénierie de CSC pour de plus amples renseignements. D'autres grades peuvent être fournis sur demande.												
ASTM	ACIER INOXYDABLE		COMPOSITION CHIMIQUE																									PROPRIÉTÉS MÉCANIQUES						Etats-Unis AISI STD	
	Code ASTM	Grado	Carbone C% Max.		Silicium Si% Max.		Manganèse Mn% Max.		Nickel	Ni%	Chrome Cr%	Molybdène Mo%		P% Max.	Soufre S% Max.		Cuivre Cu%	Sélénium Se%	Azote N%	Vanadium V%	Niobium Nb%	Tungstène W%	Niobium + + Tantale Nb+Ta%	Remarques	Le fer Fe%	Alliage% total sans fer	Charpy "V" Notch lb pi.	Résistance à la traction K.S.I.	Résistance au rendement K.S.I.	Elong%	Brinell Dureté #	Réduction de la superficie%			
Acier inoxydable résistant à la chaleur	A297	HC	0.50		2.00		1.00		4.00	Max.	26.00	to 30.00	0.50		0.04	0.04											63.92	36.08		55			180-250		446
	A297	HD	0.50		2.00		1.50		4.00	to 7.00	26.00	to 30.00	0.50		0.04	0.04											61.92	38.08		75	35	8	170-210		327
	A297	HE	0.20	to 0.50	2.00		2.00		8.00	to 11.00	26.00	to 30.00	0.50		0.04	0.04											57.72	42.28		85	40	9	180-220		312
	A297	HF	0.20	to 0.40	2.00		2.00		8.00	to 12.00	18.00	to 23.00	0.50		0.04	0.04											64.62	35.38		70	35	25	150-190		320B
	A297	HH	0.20	to 0.50	2.00		2.00		11.00	to 14.00	24.00	to 28.00	0.50		0.04	0.04											56.57	43.43		75	35	10	170-210		309
	A297	HI	0.20	to 0.50	2.00		2.00		14.00	to 18.00	26.00	to 30.00	0.50		0.04	0.04											51.07	48.93		70	35	10	170-210		
	A297	HK	0.20	to 0.60	2.00		2.00		18.00	to 22.00	24.00	to 28.00	0.50		0.04	0.04											49.02	50.98		65	35	10	170-220		310
	A297	HL	0.20	to 0.60	2.00		2.00		18.00	to 22.00	28.00	to 32.00	0.50		0.04	0.04											45.02	54.98		65	35	10	180-220		
	A297	HN	0.20	to 0.50	2.00		2.00		23.00	to 27.00	19.00	to 23.00	0.50		0.04	0.04											49.07	50.93		63		8	150-190		
	A297	HT	0.35	to 0.75	2.50		2.00		33.00	to 37.00	15.00	to 19.00	0.50		0.04	0.04											42.37	57.63		65		4	170-200		330
	A297	HP	0.35	to 0.75	2.50		2.00		33.00	to 37.00	24.00	to 28.00	0.50		0.04	0.04											33.37	66.63		62.5	34	4	180-220		
	A297	HU	0.35	to 0.75	2.50		2.00		37.00	to 41.00	17.00	to 21.00	0.50		0.04	0.04											36.37	63.63		65		4	180-220		
	A297	HW	0.35	to 0.75	2.50		2.00		58.00	to 62.00	10.00	to 14.00	0.50		0.04	0.04											22.37	77.63		65			180-220		
	A297	HX	0.35	to 0.75	2.50		2.00		64.00	to 68.00	15.00	to 19.00	0.50		0.04	0.04											11.37	88.63		60			180-220		
A447	Type II	0.20	to 0.50	2.00		2.00		11.00	to 14.00	24.00	to 28.00	0.50														56.65	43.35		75	35	10	170-210		309	
Acier inoxydable durcissant martensitique et précipitant	A351/A743	CA-15	0.15		1.50		1.00		1.00		11.50	to 14.00	0.50	Max.	0.04	0.04											83.02	16.98		90	65	18		30	410
	A351/A743	CA-15F	0.15		1.50		1.25		0.50		11.50	to 14.00	0.50		0.15		to 0.35										83.1	16.9		90	65	8		15	415
	A351/A743	CA-40	0.20	to 0.40	1.50		1.00		1.00		11.50	to 14.00	0.50	Max.	0.04	0.04											82.97	17.03		100	70	15		25	420
	A351/A743	CB-30	0.30		1.50		1.00		2.00	Max.	18.00	to 21.00			0.04	0.04											75.62	24.38		65	30				431
	A351/A743	CA-6NM	0.60		1.00		1.00		3.50	to 4.50	11.50	to 14.00	0.40	to 1.00	0.04	0.03											79.88	20.12		110	80	15		35	F6NM
	A351/A743	CG-12	0.12		2.00		1.50		10.00	to 13.00	20.00	to 23.00			0.04	0.04											63.3	36.7		70	28	35			
	A351/A743	CF-20	0.20		2.00		1.50		8.00	to 11.00	18.00	to 21.00			0.04	0.04											67.22	32.78		70	30	30			302
	A351/A743	CF-16F	0.16		2.00		1.50		9.00	to 12.00	18.00	to 21.00	1.50		0.17	0.04					0.20	to 0.35				64.36	35.65		70	30	25			303	
	A351/A743	CF-16Fa	0.16		2.00		1.50		9.00	to 12.00	18.00	to 21.00	0.40	to 0.80	0.04	0.20	to 0.40									65.40	34.60		70	30	25			303	
	A351/A743	CH-20	0.20		2.00		1.50		12.00	to 15.00	22.00	to 26.00	0.50		0.04	0.04											58.22	41.78		70	30	30			309
	A351/A743	CH-10	0.10		2.00		1.50		12.00	to 15.00	22.00	to 26.00			0.04	0.04											58.82	41.18		70	30	30			
	A351/A743	CK-20	0.20		2.00		2.00		19.00	to 22.00	23.00	to 27.00			0.04	0.04											50.22	49.78		65	28	30			310
	A351/A743	CE-30	0.30		2.00		1.50		8.00	to 11.00	26.00	to 30.00			0.04	0.04											58.62	41.38		80	40	10			
	A351/A743	CC-50	0.50		1.50		1.00		4.00	Max.	26.00	to 30.00			0.04	0.04											64.92	35.08		55					446
	A351/A743	CA-40F	0.20	to 0.40	1.50		1.00		1.00	Max.	11.50	to 14.00	0.50	Max.	0.04	0.02											82.89	17.11		100	70	12			
	A351/A743	CF-10SMnN	0.10		3.50	to 4.50	7.00	to 9.00	8.00	to 9.00	16.00	to 18.00			0.06	0.03					0.08	to 0.18					62.18	37.82		85	42	30			Nitronic 60
	A351/A743	CF-3MN	0.03		1.50		1.50		9.00	to 13.00	17.00	to 22.00	2.00	to 3.00	0.04	0.04					0.10	to 0.20					63.74	36.26		75	37	35			
	A351/A743	CG-6MMN	0.06		1.00		4.00	to 6.00	11.50	to 13.50	20.50	to 23.50	1.50	to 3.00	0.04	0.03					0.20	to 0.40	0.10	to 0.30	0.10	to 0.30	56.42	43.58		85	42	30			
	A351/A743	CN-7MS	0.07		2.50	to 3.50	1.00		22.00	to 25.00	18.00	to 20.00	2.50	to 3.00	0.04	0.03			1.50	to 2.00							48.86	51.14		70	30	35			
	A351/A743	CA-6N	0.06		1.00		0.50		6.00	to 8.00	10.50	to 12.50			0.02	0.02																			