

CSC CANADIAN SPECIALTY CASTINGS				CSC Grades en acier standard 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.																
AISI				ACIER			COMPOSITION CHIMIQUE																				PROPRIÉTÉS MÉCANIQUES								Etats-Unis AISI STD
	Code ASTM	Grado	Condition	Carbone C% Max.	Silicium Si% Max.	Manganèse Mn% Max.	Nickel Ni%	Chrome Cr%	Molybdène Mo%	Phosphore P% Max.	Soufre S% Max.	Copper Cu%	Vanadium V%	Le fer Fe%	Tungstène W%	Cobalt Co%	Nickel + Cobalt Ni% + Co%	Aluminium Al%	Titane Ti%	Niobium Nb%	Niobium + Titane Nb% + Ta%	Bore B%	Azote N%	Azote + Carbone + C%	N%	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%			
GRADES USINÉES																																			
Aciers au carbone et alliés	A915	SC 1025		0.22 to 0.28	0.30 to 0.60	0.40 to 0.80				0.04	0.04			98.62												1.38							1025		
	A915	SC 1030		0.28 to 0.34	0.30 to 0.60	0.50 to 0.90				0.04	0.04			98.46												1.54							1030		
	A915	SC 1040		0.37 to 0.44	0.30 to 0.60	0.50 to 0.90				0.04	0.04			98.37												1.64							1040		
	A915	SC 1045		0.43 to 0.50	0.30 to 0.60	0.50 to 0.90				0.04	0.04			98.31												1.70							1045		
	A915	SC 4130		0.28 to 0.33	0.30 to 0.60	0.40 to 0.80		0.80 to 1.10	0.15 to 0.25	.035	0.04			97.42												2.58							4130		
	A915	SC 4140		0.38 to 0.43	0.30 to 0.60	0.70 to 1.10		0.80 to 1.10	0.15 to 0.25	.035	0.04			97.02												2.98							4140		
	A915	SC 4330		0.28 to 0.33	0.30 to 0.60	0.60 to 0.90	1.65 to 2.00	0.70 to 0.90	0.20 to 0.30	.035	0.04			95.55												4.46							4330		
	A915	SC 4340		0.38 to 0.43	0.30 to 0.60	0.60 to 0.90	1.65 to 2.00	0.70 to 0.90	0.20 to 0.30	.035	0.04			95.45												4.56							4340		
	A915	SC 8620		0.18 to 0.23	0.30 to 0.60	0.60 to 1.00	0.40 to 0.70	0.40 to 0.60	0.15 to 0.25	.035	0.04			97.22												2.78							8620		
	A915	SC 8625		0.23 to 0.28	0.30 to 0.60	0.60 to 1.00	0.40 to 0.70	0.40 to 0.60	0.15 to 0.25	.035	0.04			97.17												2.83							8625		
	A915	SC 8630		0.28 to 0.33	0.30 to 0.60	0.60 to 1.00	0.40 to 0.60	0.40 to 0.60	0.15 to 0.25	.035	0.04			97.17												2.83							8630		
		H13		0.32 to 0.45	0.80 to 1.20	0.20 to 0.50	0.30 Max.	4.75 to 5.50	1.10 to 1.75					90.42													9.59							H13	
		H21		0.26 to 0.36	0.15 to 0.50	0.15 to 0.40	0.30 Max.	3.00 to 3.75						85.72	8.50 to 10.00												14.29							H21	
	Hastalloys - Haute Nickel		Hastalloy C276		0.01	0.08	1.00	55.24	14.50 to 16.50	15.00 to 17.00	0.04	0.03		0.35	4.00 to 7.00	3.00 to 4.50	2.50 Max.										44.76								
		Hastalloy B2		0.02	0.10	1.00	66.81	1.00	26.00 to 30.00	0.04	0.03			2.00 Max.		1.00 Max.										33.19									
		Incoloy 825		0.05	0.05	1.00	38.00 to 46.00	19.50 to 23.50	2.50 to 3.50		0.03	1.50 to 3.00		29.02				0.20	0.60 to 1.20							70.98									
		Inconel 600		0.15	0.50	1.00	74.34	14.00 to 17.00			.015	0.50		6.00 to 10.00												25.665									
		Inconel 625		0.10	0.50	0.50	57.92	20.00 to 23.00	8.00 to 10.00	.015	.015			5.00		1.00		0.40	0.40		3.15 to 4.15					42.08									
		Inconel 718		0.08	0.35	0.35		17.00 to 21.00	2.80 to 3.30	.015	.015	0.30		17.11		1.00	50.00 to 55.00	0.20 to 0.80	0.65 to 1.15		4.75 to 5.50	.006				82.891									
ACIERS AU CARBONE ET À FAIBLE ALLIAGE:																																			
Acier au carbone	A27	N-1		0.25	0.80	0.75				0.05	0.06			98.09												1.91									
	A27	N-2		0.35	0.80	0.60				0.05	0.06			98.14												1.86									
	A27	U 60-30		0.25	0.80	0.75				0.05	0.06			98.09												1.91		60	30	22		30			
	A27	60-30		0.30	0.80	0.60				0.05	0.06			98.19												1.81		60	30	24		35	1020		
	A27	65-35		0.30	0.80	0.70				0.05	0.06			98.09												1.91		65	35	24		35			
	A27	70-36		0.35	0.80	0.70				0.05	0.06			98.04												1.96		70	36	22		30	1030		
	A27	70-40		0.25	0.80	1.20				0.05	0.06			97.64												2.36		70	40	22		30			
	A216	WCA		0.25	0.60	0.70	0.50 Max.	0.50 Max.	0.20 Max.	0.04	0.045	0.30 Max.	0.03 Max.	96.84												3.17		60-85	30	24		35			
	A216	WCB		0.30	0.60	1.00	0.50 Max.	0.50 Max.	0.20 Max.	0.04	0.045	0.30 Max.	0.03 Max.	96.49												3.52		70-95	36	22		35			
	A216	WCC		0.25	0.60	1.20	0.50 Max.	0.50 Max.	0.20 Max.	0.04	0.045	0.30 Max.	0.03 Max.	96.34												3.67		70-95	40	22		35			
	A352	LCA		0.25	0.60	0.70	0.50	0.50	0.20	0.04	0.045	0.30	0.03	96.84												3.17	13 (-25 F)	60-85	30	24		35			
	A352	LCB		0.30	0.60	1.00	0.50	0.50	0.20	0.04	0.045	0.30	0.03	96.49												3.52	13 (-50 F)	65-90	35	24		35			
	A352	LCC		0.25	0.60	1.20	0.50	0.50	0.20	0.04	.045	0.30	0.03	96.34												3.67	13 (-50 F)	70-95	40	22		35			
Acier à outils	A356	Grade 1		0.35	0.60	0.70				.035	0.03			98.29												1.72		70	36	20					
	A597	CA-2		0.95 to 1.05	1.50	0.75		4.75 to 5.50	0.90 to 1.40				0.20 to 0.50	90.13												9.88						58-62 RC			
	A597	CD-2		1.40 to 1.60	1.50	1.00		11.00 to 13.00	0.70 to 1.20				0.40 to 1.00	81.50		0.70 to 1.00										18.50						58-64 RC			
	A597	CD-5		1.35 to 1.60	1.50	0.75		11.00 to 13.00	0.70 to 1.20				0.35 to 0.55	79.88		2.50 to 3.50										20.13						58-64 RC			
	A597	CM-2		0.78 to 0.88	1.00																														