Available Specification & Size of CSAC Aluminium Products

1. Casting Ware

Application	Specification	Alloy	Temper
Sand mode, shell mode & metal mode.	JIS H5202	AC2A, AC2B, AC3A, AC4B, AC4C, AC7A, AC7B, AC8A, AC8B	F
Die-casting	JIS H5302	ADC1, ADC3, ADC6, ADC10, ADC10Z ADC12	
Sand mode & permanent mode.	ASTM B179	A356.2, A357.2, A380.2, A413.2, A520.2	
	CAC Spec	A356.2	
Zinc anode		ZNA1	
Zinc ingot for die-casting		ZAD2, ZAD3, ZAD3M, ZAD5M, ZAD8, ZAD12, ZAD27, ZAD4	
Zinc ingot for galvanizing		ZNJ1, ZNJ3, ZNJ5, ZNJ7, ZNJ4, ZNJ50	
Aluminum anode	DNV-RP-B401	Al-Zn-In Series.	

2. Foil And Fin-Stock

2.1 Foil

Application	Specification, Alloy & Temper	Thickness (μm)	Width (mm)	Internal Diameter (mm)	Max. Outside Diameter (mm)	Remark
Single side bright	JIS 1N30-O, H18 AA 1235-O, H19 JIS 8079-O	5.9≦T≦50	390≦W≦1550	76	500	
				150	700	
Double side bright	JIS 1N30-H18 AA 1235-F	12≦T≦50	280≦W≦1290	76	500	
				150	700	
	JIS 1N30-O, H18 JIS 1050-O, H18 JIS 1100-O, H18 JIS 3003-H18 AA 1235-O, H19	50＜T＜120	50≦W≦1630	76	600	
				150	1000	
		120≦T≦150	50≦W≦1630	150,200, 305,508	1190	

2.2 Fin-Stock:(CAC Specification)

Application	Alloy	Temper	Thickness (mm)	Width (mm)	Internal Diameter (mm)	Max. Outside Diameter (mm)	Remark
Fin-stock	1050	O, H22, H24	0.095≦T≦0.30	100≦W≦1630	150, 200, 305	1190	Chemical composition same as AA or JIS spec.
	1100			300≦W≦1630	508		
	1200	H24	0.095≦T≦0.30	100≦W≦1630	150, 200, 305		
				300≦W≦1630	508		
	1300	H26	0.090≦T≦0.30	100≦W≦1630	150, 200, 305		CAC spec.
	3102		0.095≦T≦0.30	300≦W≦1630	508		
Pre-coated fin-stock※	1050	O, H22, H24	0.095≦T≦0.30	100≦W≦1390	150, 200, 305	1190	Chemical composition same as AA or JIS spec.
				300≦W≦1390	508		
	1100	O, H22, H24	0.095≦T≦0.30	100≦W≦1390	150, 200, 305		
				300≦W≦1390	508		
	1200	H24	0.095≦T≦0.30	100≦W≦1390	150, 200, 305		
				300≦W≦1390	508		
	1300	H26	0.090≦T≦0.30	100≦W≦1390	150, 200, 305		CAC spec.
	3102		0.095≦T≦0.30	300≦W≦1390	508		

※ Pre-coated layers with high hydrophilic, corrosion resistance.

2.3 Special Foil Products (CAC Specification)

Application	Alloy	Temper	Thickness (mm)	Width (mm)	Internal Diameter (mm)	Max. Outside Diameter (mm)	Remark
Hollowware	1100	O, H22, H24	0.05≦T≦0.12	87≦W≦756	76	600	
					150, 200	900	
Core of speaker	1050 1100	O	0.10≦T≦0.30	110≦W≦1300	150	600	

Exhaust pipe for kitchen	1200	O	0.085≦T≦0.15	83	150	600	
Cable shielding	1N30	O	0.20≦T≦0.30	950≦W≦1050	150, 200, 305, 508	1190	
Household foil (not single side bright for laminated use)	1600	O	0.013≦T≦0.025	285≦W≦700	76	600	
					150	720	
	1235	O	0.015≦T≦0.025	285≦W≦800	76	600	AA spec.
					150	720	
	8079	O	0.015≦T≦0.025	290≦W≦800	76	600	
					150	720	
Current collector of battery, Drug package	1N30 1235	H18	0.015≦T≦0.030	300≦W≦1200	76	490	JIS spec.
Package of battery	8021	O	0.030≦T≦0.040	300≦W≦1200	76	490	
Tab of battery	1N30 1235	O	0.080≦T≦0.40	250≦W≦500	150, 305	900	
Filter	1N30	H18	0.030≦T≦0.040	120≦W≦1300	76,150	400	
Tire repair patch	1N30	H18	0.030≦T≦0.050	67≦W≦750	76	500	

Remark : Alloy 1N30 and 1230A are the same.

3. Plate

Alloy	Temper	Thickness (mm)	Width (mm)	Length (mm)	Remark
1050, 1070, 1100 3003, 3004 5005, 5052, 5456, 5083, 5754	F H112	6.5＜T≦13.0	850≦W≦1525	2000≦L≦6000	Alloy 1050, 1070, only JIS available
		13＜T≦20.0	850≦W≦1525	1000≦L≦6000	
		20.0＜T≦30.0	850≦W≦1525		
		30.0＜T≦40.0	850≦W≦1830		
		40.0＜T≦50.0	850≦W≦2000		
		50.0＜T≦300	850≦W≦2000		
1050, 1070, 1100 3003, 3004 5005, 5052, 5456, 5083, 5754	O H111	6.5＜T≦13.0	850≦W≦1525	2000≦L≦6000	
		13＜T≦20.0	850≦W≦1525	1000≦L≦4000	
		20.0＜T≦30.0	850≦W≦1525		
		30.0＜T≦40.0	850≦W≦1830		
		40.0＜T≦50.0	850≦W≦2000		
		50.0＜T≦300	850≦W≦2000		
5083, 5086, 5456	H32	9.50≦T≦45.0	850≦W≦1550	1000≦L≦6000	Allow surface scratches and contamination marks
5052	H32, H34	9.50≦T≦12.0	850≦W≦1550	1000≦L≦6000	
6061	F O	6.5＜T≦13.0	850≦W≦1525	2000≦L≦6000	
		13.0＜T≦20.0	850≦W≦1525	1000≦L≦4000	
		20.0＜T≦30.0	850≦W≦1830		
		30.0＜T＜40.0	850≦W≦2000		
		40.0≦T≦300	850≦W≦2000	1000≦L≦6000	
	T451 T651	10.0≦T<130	850≦W≦1800	1000≦L≦6000	For Tx51, T<130mm
		130≦T≦160	850≦W≦1800	1000≦L≦6000	
7075	O	15.0≦T≦50	850≦W≦1250	1000≦L≦4000	
	T651	15.0≦T≦100	850≦W≦1250	1000≦L≦6000	

Remark 1: The maximum thickness shall be refers to both table 3.1 and applicable specification.
Remark 2:Laminaion Spec.

	Type	Thickness (mm)	Length (mm)	Width (mm)
Laminaion Spec	blue film	3≦T≦12	1200≦W≦1250	2000≦L≦6000
	black film	3≦T≦12	1200≦W≦1525	2000≦L≦6000
	black film	10≦T≦80	1200≦W≦1525	2700≦L≦4000

4. Coil Sheet And Flat Sheet

4.1 Available Specification, Alloy, Temper & Thickness of Sheet

Alloy	Temper	Thickness (mm)	Remark
1050,1070,1100, 3003,3004, 5005,5052, 5252,5454, 5754	F	0.15≦T≦6.00	1. Alloy 1050, 1070, only JIS available 2. 1xxx H16, T≧0.18mm 3. 1xxx H18, T≧0.15mm
	O	0.25≦T≦6.00	
	H14, H34	0.20≦T≦5.00	
	H16, H36	0.20≦T≦3.50	
	H18, H38	0.20≦T≦2.20	
1050	H24, H26	0.20≦T≦3.00	
1070	H24, H26	0.20≦T≦1.00	
1100	H24	0.20≦T≦1.50	
	H26	1.50≦T≦1.80	
3003	H24	0.20≦T≦2.00	
3004	H32	0.50≦T≦6.00	For AA spec. , T≧0.43 mm
5005, 5052,5252	H32	0.20≦T≦6.00	For Alloy 5252, only CAC spec. available
5052	H22	0.50≦T≦4.00	
5083	F	0.15≦T≦6.00	For T≧4.0mm, only STQ grade available
	O	1.20≦T≦5.00	
	H32	0.50≦T≦5.00	
	H116	3.00≦T≦6.00	
5086	F	0.15≦T≦6.00	For T≧4.0mm, only STQ grade available
	O	0.50≦T≦6.00	
5086, 5182	H14, H34	0.20≦T≦5.00	For Alloy 5182, only CAC spec. available For T≧4.0mm, only STQ grade available
	H16, H36	0.20≦T≦3.50	
	H18, H38	0.20≦T≦2.20	
3004,5052,5182,5082	H19, H39	0.20≦T≦0.50	For umbrella rib : 0.20≦T≦0.60
6061	F	0.15≦T≦6.00	For T≧4.0mm, only STQ grade available
	O	0.25≦T≦6.00	
	T4、T6	0.40≦T≦3.20	
6063	O	0.25≦T≦6.00	For T≧4.0mm, only STQ grade available
	T4、T6	0.40≦T≦3.20	
7075	O、T6	0.40≦T≦3.20	
	T73	1.50≦T≦3.20	

Remark: For SFQ or higher grade, maximum thickness is 2mm.

4.2 Available Width & Length of Flat Sheet

Application	Thickness (mm)	Width (mm)	Length (mm)	Remark
1xxx & 3xxx& 5xxx alloy	0.12≦T≦0.80	800≦W≦1320	500≦L≦3048	
	0.80≦T≦1.50	850≦W≦1320	1000≦L≦4000	
	1.50≦T≦6.00	850≦W≦1820	1000≦L≦8000	For ship, W≦2000mm
Painted Sheet	0.20≦T≦0.80	800≦W≦1320	500≦L≦3048	
6xxx alloy	0.40≦T≦6.00	1000≦W≦1820	1000≦L≦8000	
7xxx alloy	0.40≦T≦3.20	1000≦W≦1250	1000≦L≦8000	

4.3 Available Width & Internal Diameter For Coil Sheet

Application		Thickness (mm)	Width (mm)	Internal Diameter (mm)	Remark
Non O temper	General Product	0.10≦T＜0.20	850≦W≦1500	305 (T≦1.0mm) 406 (T≦1.0mm) 508	For 1xxx, T≦3.6mm
		0.20≦T≦3.20	850≦W≦2000		
	6xxx	0.40≦T≦3.20	1000≦W≦2000		
	7xxx	0.40≦T≦3.20	1000≦W≦1250		
O temper	ALL	0.25≦T＜0.50	800≦W≦2000	305	Max O.D. is 950mm.
		0.5≦T≦3.4	850≦W≦2000	305 (T≦1.0mm) 406 (T≦1.0mm) 508	

Remark: For O temper, reel marks shall not be cause for rejection.

4.4 Available Thickness, Width & Internal Diameter For Paint Sheet

Application			Thickness (mm)	Width (mm)	Internal Diameter (mm)	Remark
Non O temper	Paint sheet	1XXX 3XXX	0.20≦T≦1.00	850≦W≦2000	305 406 508	For end stock, bottle cap used, see table 5.
		5XXX	0.20≦T≦1.00	250≦W≦2000		

4.5 Available Thickness, Width & Internal Diameter For Slit Coil

Alloy & Temper	Thickness (mm)	Width (mm)	Slit	Internal Diameter (mm)	Remark
1XXX-O 3003-O 6061-O	0.3＜T≦0.5	300≦W≦1000	2~3	305	1.O.D.≦910mm 2.Without paper core
	0.7＜T≦3.35	300≦W≦750	2~3	508	1.Lined with thin paper 2. Without paper core
1XXX-H1N	0.2≦T≦0.3	500≦W≦1000	2~3	305,406,508	With paper core
	0.3＜T≦0.8	300≦W≦1000	2~3	305,406,508	With paper core
	0.8＜T≦1.2	400≦W≦880	2	508	With paper core
	1.2＜T≦3.35	300≦W≦750	2~3	508	Without paper core
1XXX-H2N	0.3＜T≦0.5	500≦W≦1000	2~3	305	Without paper core
	0.5＜T≦0.8	400≦W≦1000	2~3	305,406,508	With paper core
	0.8＜T≦1.2	300≦W≦1000	2	508	With paper core
	1.2＜T≦3.35	300≦W≦750	2~3	508	Without paper core
3XXX-O 5XXX-O 3XXX-H1N & H2N 5XXX-H1N& H2N & H3N 6XXX-T4 & T6	0.2≦T≦0.3	500≦W≦1000	2~3	305,406,508	With paper core
	0.3＜T≦0.8	300≦W≦1000	2~3	305,406,508	With paper core
	0.8＜T≦1.2	400≦W≦880	2	508	Without paper core
	1.2＜T≦3.35	300≦W≦750	2~3	508	Without paper core

Remark: For O temper, reel marks shall not be cause for rejection.

5. Special Products

Application	Alloy	Temper	Thickness (mm)	Width (mm)	Internal Diameter (mm)	Remark
End stock	5052	H19, H39, H48	0.218≦T≦0.33	250≦W≦2050	305, 406, 508	
	5182					
Tab stock	5182	H19, H39, H48	0.218≦T≦0.50	25≦W≦2050		
Can	5042	H19, H39, H48	0.218≦T≦0.33	250≦W≦2050		
Can body	3104	H19, H39	0.27≦T≦0.305	700≦W≦1750		
Bottle cap	1050	H16	0.218≦T≦0.33	250≦W≦1500 (Coil sheet) 800≦W≦1320 (Flat sheet)	305, 406, 508 (Coil sheet) 800≦Length≦1500 (Flat sheet)	
	1100	H16, H18	0.190≦T≦0.33			
	3003	H16	0.218≦T≦0.33			
	3105	H16	0.218≦T≦0.33			
	5052	H39	0.218≦T≦0.33			
	5151	H36, H38, H39	0.218≦T≦0.33			
	8011	H34	0.200≦T≦0.33			
Blind stock	5052	H19	0.13≦T≦0.24	850≦W≦2050	508	
	5182					
	3104					
For laminate used cladding material	1100	F, H18	0. 08≦T＜0.15	850≦W≦1500	150, 200, 305, 508	
			0.15≦T≦0.50	850≦W≦2050	305, 406, 508	
	3105	H16, H18	0.20≦T≦1.00	850≦W≦2050	305, 406, 508	
	5005	H14				
Paint sheet cladding material	1100	H18	0.10≦T＜0.30	850≦W≦1360	150, 200, 305, 508	
	1100	H18	0.20≦T≦1.00	850≦W≦2050	305, 406, 508	
	3105	H16	0.20≦T≦1.00	850≦W≦2050	305, 406, 508	
	3105	H18	0.10≦T＜0.30	850≦W≦1360	150, 200, 305, 508	
	5005	H14	0.20≦T≦1.00	850≦W≦2050	305, 406, 508	
	5052	H38	0.20≦T≦1.00	850≦W≦2050	305, 406, 508	
Shielding material for automobile	1050	O	0.40≦T≦1.00	850≦W≦2000	305,406,508	
	3004	O				
Bumper beam	5083	H24	2.20≦T≦2.50	850≦W≦1900	305,406,508,610	
Panel for automobile	6016	T4	0.80≦T≦1.20	1000≦W≦1900	305,406,508	
Outer panel for automobile	6M02	T4A				
Inner panel for automobile	6M02	T4B				
Reinforcement parts	6M02	T4C				
Inner panel for automobile	5182	O, H111	0.80≦T≦3.20	1000≦W≦1900	305,406,508,610	
	5RS2	O, H111				
Structural parts for automobile	5754	O, H111				
3C products	TF01	-	0.50≦ T≦1.00	850≦W≦1950	305,406,508	
	TF01-H1	-	0.50≦ T≦1.00			
	TF01-H2	-	0.50≦ T≦1.00			
	EAC1	C2	0.20≦ T≦2.0			
	EAC2	C8	0.50≦ T≦1.0			
	EAC5	C8	Anodizing use 0.40≦T≦1.5 Non-anodizing use 0.15≦T≦1.5			
Color corrugated sheet	AN01	H48	0.50≦ T≦1.00	914≦W≦1300	305,406,508	
	AN02	H44	0.50≦ T≦1.00			
	AN03	H42	0.50≦ T≦1.00			

Remark 1:ID305 and 406mm is only applicable to thickness 1.0mm or thinner.
Remark 2:For flat sheet, maximum width is 1820mm.

6. MARINE PLATE

Certification Body	Alloy	Temper	Thickness (mm)	Width (mm)	Length (mm)	Remark
DNV GL Det Norske Veritas Germanischer Lloyd	5083	O, H111, H112, H116, H321	3.0≦T≦50.0	850≦W≦2000	2000≦L≦9000	Allow surface scratches and contamination marks
	5086	O, H111, H112, H116	3.0≦T≦50.0			
	5383	O, H111, H116, H321	3.0≦T≦50.0			
CR Classification Society	5083	O, H112, H116, H321	3.0≦T≦50.0			
	5086	O, H112, H116	3.0≦T≦50.0			
	5383	O, H116, H321	3.0≦T≦50.0			
BV Bureau Veritas	5083	O, H111, H112, H116, H321	3.0≦T≦50.0			
	5086	O, H111, H112, H116	3.0≦T≦50.0			
	5383	O, H116	3.0≦T≦50.0			
		H111, H321	3.0≦T≦20.0			
LR Lloyd's Register	5083	O, H111, H112, H116, H321	3.0≦T≦50.0			
	5086	O, H111, H112, H116	3.0≦T≦50.0			
	5383	O, H111, H116, H321	3.0≦T≦50.0			
ABS American Bureau of Shipping	5083	O, H112, H116, H321	3.0≦T≦50.0			
	5086	O, H112	3.0≦T≦50.0			
		H321	3.0≦T≦8.0			
	5383	O, H116, H321	3.0≦T≦50.0			
NK Nippon Kaiji Kyokai	5083	O, H111, H112, H116, H321	3.0≦T≦50.0			
KR Korean Register	5083	O, H111, H112, H116, H321	3.0≦T≦50.0			

Remark 1: For Coil, maximum thickness is 8mm.
Remark 2: 5383 Alloy only for domestic orders

7. Notes

7.1 For the alloy/temper not included in the above tables, please contact sales for further information.
7.2 For the latest revision of Available Specification & Size, please visit web site ‘www.csalu.com.tw’.