ALMEN C STRIP SPECIFICATIONS

In inches(mm)

SPECIFICATION	LENGTH		WIDTH		THICKNESS		FLATNESS	HARDNESS
Electronics Inc. Grade C-1S	3.008 2.985	2.9965 ± 0.0115	0.750 0.745	.7475 ± 0.0025	0.0946 0.0936	0.0941 ± 0.0005	±0.0005	**HRC 45-48**
	(76.40) (75.82)	**(76.11 ± 0.29)**	**(19.05) (18.92)**	**(18.985 ± 0.065)**	**(2.403) (2.377)**	**(2.39 ± .013)**	**(±0.013)**	
Electronics Inc. Grade C-1	3.008 2.985	2.9965 ± 0.0115	0.750 0.745	.7475 ± 0.0025	0.0948 0.0930	0.0939 ± 0.0009	±0.0015	**HRC 44-50**
	(76.40) (75.82)	**(76.11 ± 0.29)**	**(19.05) (18.92)**	**(18.985 ± 0.065)**	**(2.408) (2.362)**	**(2.385 ± 0.023)**	**(±0.038)**	
Electronics Inc. Grade C-2	**3.015 2.985**	**3.0 ± 0.015**	**0.750 0.745**	**.7475 ± 0.0025**	**0.0948 0.0928**	**.0938 ± 0.001**	**±0.0015**	**HRC 44-50**
	(76.58) (75.82)	(76.20 ± .38)	(19.05) (18.92)	(18.985 ± 0.065)	(2.408) (2.357)	(2.3825 ± 0.0255)	(±0.038)	
Electronics Inc.[2] Grade C3	**3.015 2.985**	**3.0 ± .015**	**0.750 0.745**	**.7475 ± 0.0025**	**0.0948 0.0928**	**.0938 ± 0.001**	**±0.0015**	**HRC 44-50**
	(76.58) (75.82)	(76.20 ± .38)	(19.05) (18.92)	(18.985 ± 0.065)	(2.408) (2.357)	(2.3825 ± 0.0255)	(±0.038)	
AiResearch EMS92406 ***[Grade C-1S]***	**3.015 2.985**	**3.00 ± 0.015**	**0.750 0.745**	**0.7475 ± 0.0025**	**0.0943 0.0933**	**0.0938 ± 0.0005**	**±0.0005**	**HRC 45-48**
	(76.58) (75.82)	(76.20 ± .38)	(19.05) (18.92)	(18.985 ± 0.065)	(2.395) (2.370)	(2.3825 ± .0125)	(±0.013)	
ASTM B851-94 ***[Grade C-1S]***	3.008 2.976	2.992 ± 0.016	0.748 0.744	0.746 ± 0.002	0.0949 0.0933	.0941 ± .0008	±0.0015	**HRC 44-50**
	(76.40) (75.60)	**(76.0 ± 0.4)**	**(19.0) (18.9)**	**(18.95 ± 0.05)**	**(2.410) (2.370)**	**(2.39 ± 0.02)**	**(±0.038)**	
BAEP 2009 ***[Grade C-2]***	**3.015 2.985**	**3.0 ± 0.015**	**0.750 0.745**	**.7475 ± 0.0025**	**0.0948 0.0928**	**0.0938 ± 0.001**	**±0.0015**	**HRC 44-50**
	(76.58) (75.82)	(76.20 ± .38)	(19.05) (18.92)	(18.985 ± 0.065)	(2.408) (2.357)	(2.3825 ± 0.0255)	(±0.038)	
Bell Helicopter Textron Caterpillar Inc. ***[Grade C-2]***	**3.015 2.985**	**3.0 ± 0.015**	**0.750 0.745**	**0.7475 ± 0.0025**	**0.0948 0.0928**	**.0938 ± 0.001**	**±0.0010**	**HRC 44-50**
	(76.58) (75.82)	(76.20 ± .38)	(19.05) (18.92)	(18.985 ± 0.065)	(2.408) (2.357)	(2.3825 ± .0255)	(±0.025)	
Boeing BAC5730 M ***[Grade C-1S]***	**3.015 2.985**	**3.00 ± 0.015**	**0.750 0.745**	**0.7475 ± 0.0025**	**0.0948 0.0928**	**.0938 ± 0.001**	**±0.0015**	**HRC 45-48**
	(76.58) (75.82)	(76.20 ± .38)	(19.05) (18.92)	(18.985 ± 0.065)	(2.408) (2.357)	(2.3825 ± .0255)	(±0.038)	
Boeing BAC5730 N ***[Grade C-1S]***	**3.015 2.985**	**3.00 ± 0.015**	**0.750 0.745**	**.7475 ± 0.0025**	**0.0948 0.0928**	**0.0938 ± 0.001**	**±0.0015**	**HRC 45-48**
	(76.58) (75.82)	(76.20 ± .38)	(19.05) (18.92)	(18.985 ± 0.065)	(2.408) (2.357)	(2.3825 ± .0255)	(±0.038)	
Boeing PSD 6-81 ***[Grade C-1]***	**3.015 2.985**	**3.00 ± 0.015**	**0.750 0.745**	**0.7475 ± 0.0025**	**0.0950 0.0930**	**0.094 ± 0.001**	**±0.0015**	**HRC 44-50**
	(76.58) (75.82)	(76.20 ± .38)	(19.05) (18.92)	(18.985 ± 0.065)	(2.413) (2.362)	(2.387 ± 0.0255)	(±0.038)	
Boeing PSD 6-88 ***[Grade C-2]***	**3.015 2.985**	**3.00 ± 0.015**	**0.750 0.745**	**0.7475 ± 0.0025**	**0.0948 0.0928**	**0.0938 ± 0.001**	**±0.0015**	**HRC 44-50**
	(76.58) (75.82)	(76.20 ± .38)	(19.05) (18.92)	(18.985 ± 0.065)	(2.408) (2.357)	(2.3825 ± .0255)	(±0.038)	
Boeing P.S. 14023 ***[Grade C-1]***	3.008 2.976	2.992 ± 0.016	0.750 0.742	0.746 ± 0.004	0.0953 0.0929	0.0941 ± 0.0012	±0.0015	**HRC 44-50**
	(76.40) (75.60)	**(76.0 ± 0.4)**	**(19.05) (18.85)**	**18.95 ± 0.1**	**(2.421) (2.360)**	**(2.3905 ± 0.0305)**	**(±0.038)**	
Caterpillar Inc. ***[Grade C-1]***	3.008 2.976	3.00 ± 0.015	0.750 0.742	0.746 ± 0.004	0.0950 0.0930	0.094 ± 0.001	±0.0015	**HRC 44-50**
	(76.4) (75.6)	**(76.20 ± .38)**	**(19.05) (18.85)**	**18.95 ± 0.1**	**(2.413) (2.363)**	**(2.388 ± 0.025)**	**(±0.038)**	
deHavilland Aircraft ***[Grade C-1]***	**3.015 2.985**	**3.0 ± 0.015**	**0.750 0.745**	**.7475 ± 0.0025**	**0.0950 0.0930**	**0.094 ± 0.001**	**±0.0015**	**HRC 44-50**
	(76.58) (75.82)	(76.20 ± .38)	(19.05) (18.92)	(18.985 ± 0.065)	(2.413) (2.362)	(2.387 ± 0.0255)	(±0.038)	
Garrettt Aviation GPE-00071 ***[Grade C-2]***	**3.015 2.985**	**3.0 ± 0.015**	**0.750 0.745**	**.7475 ± 0.0025**	**0.0948 0.0928**	**0.0938 ± 0.001**	**±0.0015**	**HRC 44-50**
	(76.58) (75.82)	(76.20 ± .38)	(19.05) (18.92)	(18.985 ± 0.065)	(2.408) (2.357)	(2.3825 ± .0255)	(±0.038)	
GE D50TF14-S1 ***[Grade C-1]***	3.008 2.976	2.992 ± 0.016	0.750 0.742	0.746 ± 0.004	0.0953 0.0929	0.0941 ± 0.0012	±0.0015	**HRC 44-50**
	(76.40) (75.60)	**(76.0 ± 0.4)**	**(19.05) (18.85)**	**(18.95 ± 0.1)**	**(2.421) (2.360)**	**(2.3905 ± 0.0305)**	**(±0.038)**	

GE P11C-AG4 Rev. D *[Grade C-1S]*	**3.015 2.985**	**3.0 ± 0.015**	**0.750 0.745**	**.7475 ± 0.0025**	**0.0950 0.0930**	**0.094 ± 0.001**	**±0.0005**	**HRC 44-50**
	(76.58) (75.82)	(76.20 ± .38)	(19.05) (18.92)	(18.985 ± 0.065)	(2.413) (2.362)	(2.387 ± 0.0255)	(±0.013)	
GE P11TF-S6 *[Grade C-1S]*	**3.015 2.985**	**3.0 ± 0.015**	**0.750 0.745**	**.7475 ± 0.0025**	**0.0950 0.0930**	**0.094 ± 0.001**	**±0.0005**	**HRC 44-50**
	(76.58) (75.82)	(76.20 ± .38)	(19.05) (18.92)	(18.985 ± 0.065)	(2.413) (2.362)	(2.387 ± 0.0255)	(±0.013)	
GE P11TF3-S11 *[Grade C-1S]*	**3.015 2.985**	**3.0 ± 0.015**	**0.750 0.745**	**.7475 ± 0.0025**	**0.0950 0.0930**	**0.094 ± 0.001**	**±0.0005**	**HRC 44-50**
	(76.58) (75.82)	(76.20 ± .38)	(19.05) (18.92)	(18.985 ± 0.065)	(2.413) (2.362)	(2.387 ± 0.0255)	(±0.013)	
GE P11TF3-S13 *[Grade C-1S]*	**3.015 2.985**	**3.0 ± 0.015**	**0.750 0.745**	**.7475 ± 0.0025**	**0.0950 0.0930**	**0.094 ± 0.001**	**±0.0005**	**HRC 44-50**
	(76.58) (75.82)	(76.20 ± .38)	(19.05) (18.92)	(18.985 ± 0.065)	(2.413) (2.362)	(2.387 ± 0.0255)	(±0.013)	
General Motors Engineering Standards GM 4283P *[Grade C-1]*	3.007 2.977	2.992 ± .015	0.748 0.744	.746 ± .002	0.0953 0.0929	0.0941 ± 0.0012	±0.001	**HRC 44-55**
	(76.38) (75.62)	**(76.0 ± 0.38)**	**(19.00) (18.90)**	**(18.95 ± 0.05)**	**(2.42) (2.36)**	**(2.39 + 0.03)**	**(±0.020)**	
Hamilton Standard HS102 H *[Grade C-2]*	**3.015 2.985**	**3.0 ± 0.015**	**0.750 0.745**	**.7475 ± 0.0025**	**0.0948 0.0928**	**0.0938 ± 0.001**	**±0.0015**	**HRC 44-50**
	(76.58) (75.82)	(76.20 ± .38)	(19.05) (18.92)	(18.985 ± 0.065)	(2.408) (2.357)	(2.3825 ± .0255)	(±0.038)	
Hawker Siddeley Aviation S29-46 *[Grade C-1]*	**3.015 2.985**	**3.0 ± 0.015**	**0.750 0.745**	**.7475 ± 0.0025**	**0.0950 0.0930**	**0.094 ± 0.001**	**±0.0010**	**HRC 44-50**
	(76.58) (75.82)	(76.20 ± .38)	(19.05) (18.92)	(18.985 ± 0.065)	(2.413) (2.362)	(2.387 ± 0.0255)	(±0.0254)	
Lockheed Georgia STP51-501 J *[Grade C-2]*	**3.015 2.985**	**3.0 ± 0.015**	**0.750 0.745**	**.7475 ± 0.0025**	**0.0948 0.0928**	**0.0938 ± 0.001**	**±0.0015**	**HRC 44-50**
	(76.58) (75.82)	(76.20 ± .38)	(19.05) (18.92)	(18.985 ± 0.065)	(2.408) (2.357)	(2.3825 ± .0255)	(±0.0381)	
MIL-P-81985 *[Grade C-1]*	**3.015 2.985**	**3.0 ± 0.015**	**0.750 0.745**	**.7475 ± 0.0025**	**0.0950 0.0930**	**0.094 ± 0.001**	**±0.0015**	**HRC 44-50**
	(76.58) (75.82)	(76.20 ± .38)	(19.05) (18.92)	(18.985 ± 0.065)	(2.413) (2.362)	(2.387 ± 0.0255)	(±0.0381)	
MIL-S-13165C *[Grade C2]*	**3.015 2.985**	**3.0 ± 0.015**	**0.750 0.745**	**.7475 ± 0.0025**	**0.0948 0.0928**	**0.0938 ± 0.001**	**±0.0015**	**HRC 44-50**
	(76.58) (75.82)	(76.20 ± .38)	(19.05) (18.92)	(18.985 ± 0.065)	(2.408) (2.357)	(2.3825 ± .0255)	(±0.038)	
Navair 02-01-517/T.O. 2-1-111/DMWR 55-28-206 *[Grade C-1]*	3.008 2.976	2.992 ± 0.016	0.750 0.742	0.746 ± 0.004	0.0953 0.0929	0.0941 ± 0.0012	±0.0015	**HRC 44-50**
	(76.4) (75.6)	**(76.0 ± 0.3)**	**(19.05) (18.85)**	**(18.95 ± 0.1)**	**(2.421) (2.360)**	**(2.3905 ± 0.0305)**	**(±0.038)**	
Navistar International Transportation Corp. CEMS A-39 *[Grade C-1]*	3.008 2.976	2.992 ± 0.016	0.750 0.742	0.746 ± 0.004	0.0953 0.0929	0.0941 ± 0.0012	±0.0015	**HRC 44-50**
	(76.40) (75.60)	**(76.0 ± 0.4)**	**(19.05) (18.85)**	**(18.95 ± 0.1)**	**(2.421) (2.360)**	**(2.3905 ± 0.0305)**	**(±0.038)**	
Pratt & Whitney PWA 36906 C *[Grade C-1]*	3.008 2.976	2.992 ± 0.016	0.750 0.742	0.746 ± 0.004	0.0953 0.0929	0.0941 ± 0.0012	±0.0015	**HRC 44-50**
	(76.40) (75.60)	**(76.0 ± 0.4)**	**(19.05) (18.85)**	**(18.95 ± 0.1)**	**(2.421) (2.360)**	**(2.3905 ± 0.0305)**	**(±0.038)**	
Pratt & Whitney 70-41-02 *[Grade C-1]*	3.008 2.976	2.992 ± 0.016	0.750 0.742	0.746 ± 0.004	0.0953 0.0929	0.0941 ± 0.0012	±0.0015	**HRC 44-50**
	(76.40) (75.60)	**(76.0 ± 0.4)**	**(19.05) (18.85)**	**(18.95 ± 0.1)**	**(2.421) (2.360)**	**(2.3905 ± 0.0305)**	**(±0.038)**	
SAE-AMS-13165C *[Grade C-2]*	**3.015 2.985**	**3.00 ± 0.015**	**0.750 0.745**	**.7475 ± 0.0025**	**0.0948 0.0928**	**0.0938 ± 0.001**	**±0.0015**	**HRC 44-50**
	(76.58) (75.82)	(76.20 ± .38)	(19.05) (18.92)	(18.985 ± 0.065)	(2.408) (2.357)	(2.3825 ± 0.0255)	(±0.038)	
SAE AMS2432B *[Grade C-1S]*	3.008 2.976	2.992 ± 0.016	0.750 0.742	0.746 ± 0.004	0.0946 0.0936	0.0941 ± 0.0005	±0.0005	**HRC 45-48**
	(76.40) (75.60)	**(76.0 ± 0.4)**	**(19.05) (18.85)**	**(18.95 ± 0.1)**	**(2.403) (2.377)**	**(2.39 ± .013)**	**(±0.038)**	
SAE AMS2430L *[Grade C-1]*	3.008 2.976	2.992 ± 0.016	0.750 0.742	0.746 ± 0.004	0.0953 0.0929	0.0941 ± 0.0012	±0.0015	**HRC 44-50**
	(76.40) (75.60)	**(76.0 ± 0.4)**	**(19.05) (18.85)**	**(18.95 ± 0.1)**	**(2.421) (2.360)**	**(2.3905 ± 0.0305)**	**(±0.038)**	
SAE J442 JAN-95 *[Grade C-1]*	3.008 2.976	2.992 ± 0.016	0.750 0.742	0.746 ± 0.004	0.0953 0.0929	0.0941 ± 0.0012	±0.0015	**HRC 44-50**
	(76.40) (75.60)	**(76.0 ± 0.4)**	**(19.05) (18.85)**	**(18.95 ± 0.1)**	**(2.421) (2.360)**	**(2.3905 ± 0.0305)**	**(±0.038)**	

Sikorsky Aircraft SS8767 ***[Grade C-1]***	**3.015 2.985**	**3.00 ± 0.015**	**0.750 0.745**	**.7475 ± 0.0025**	**0.0948 0.0928**	**0.0938 ± 0.001**	**±0.0015**	**HRC 44-50**
	(76.58) (75.82)	(76.20 ± .38)	(19.05) (18.92)	(18.985 ± 0.065)	(2.408) (2.357)	(2.3825 ± 0.0255)	(±0.038)	
SPOP 501 ***[Grade C-1]***	3.008 2.976	2.992 ± 0.016	0.750 0.742	0.746 ± 0.004	0.0953 0.0929	0.0941 ± 0.0012	±0.0015	**HRC 44-50**
	(76.4) (75.6)	**(76.0 ± 0.3)**	**(19.05) (18.85)**	**(18.95 ± 0.1)**	**(2.421) (2.360)**	**(2.3905 ± 0.0305)**	**(±0.038)**	
Volo Aero Corp. 18 22 58 ***[Grade C-1S]***	3.008 2.976	2.992 ± 0.016	0.750 0.742	0.746 ± 0.004	0.0946 0.0936	0.0941 ± 0.0005	±0.0005	**HRC 45- 48**
	(76.40) (75.60)	**(76.0 ± 0.4)**	**(19.05) (18.85)**	**18.95 ± 0.1**	**(2.403) (2.377)**	**(2.39 ± .013)**	**(±0.013)**	

NOTE: [1] SAE AMS2430L section 3.2.2 states Test Strips: Shall conform to SAE J442 ...

Name of Spec. and Grade of	References the length		References the width		References the thickness		References the	References
Electronics Inc. Grade C1-S	3.008 2.985	2.9965 + 0.0115	0.750 0.745	.7475 + 0.0025	0.0946 0.0936	0.0941 ± 0.0005	±0.0005	**HRC 45-48**
	(76.40) (75.82)	**(76.11 + 0.29)**	**(19.05) (18.92)**	**(18.985 + 0.065)**	**(2.403) (2.377)**	**(2.39 ± .013)**	**(±0.013)**	

References the length measured in millimeters

References the width measured in inches

References the thickness measured in inches

References the flatness measured in millimeters