

**ALMEN C STRIP SPECIFICATIONS**

*In inches(mm)*

SPECIFICATION	LENGTH		WIDTH		THICKNESS		FLATNESS	HARDNESS
<i>Electronics Inc. Grade C-1S</i>	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)	
<i>Electronics Inc. Grade C-1</i>	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)	
<i>Electronics Inc. Grade C-2</i>	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)	
<i>Electronics Inc.<sup>2</sup> Grade C3</i>	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)	
<i>AiResearch EMS92406 [Grade C-1S]</i>	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)	
<i>ASTM B851-94 [Grade C-1S]</i>	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)	
<i>BAEP 2009 [Grade C-2]</i>	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)	
<i>Bell Helicopter Textron Caterpillar Inc. [Grade C-2]</i>	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)	
<i>Boeing BAC5730 M [Grade C-1S]</i>	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)	
<i>Boeing BAC5730 N [Grade C-1S]</i>	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)	
<i>Boeing PSD 6-81 [Grade C-1]</i>	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)	
<i>Boeing PSD 6-88 [Grade C-2]</i>	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)	
<i>Boeing P.S. 14023 [Grade C-1]</i>	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)	
<i>Caterpillar Inc. [Grade C-1]</i>	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)	
<i>deHavilland Aircraft [Grade C-1]</i>	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)	
<i>Garrett Aviation GPE-00071 [Grade C-2]</i>	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)	
<i>GE D50TF14-S1 [Grade C-1]</i>	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: <sup>1</sup> 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)	

