



PELICAN STORM CASE TEST SUMMARY SHEET

The Pelican Storm case has met the following specifications:

TEST	Specifications Met	Descriptions
Drop Test	Fed-Std-101C, Method 5007.1, Paragraph 6.3, Procedure A, Level A. Procedure A	A series of 26 drops, one on each corner, edge, and face, from 19" to 30", depending on the gross weight of the case, with loads of 15 lbs to 70 lbs., (depending on the case size).
Falling Dart Impact	ATA 300, Category I, "General Requirements for Category I and II Reusable Containers".	A dart weighing 13.22 lbs. with a 1.25" hemispherical end was dropped on each case from 19.68"
Vibration (loose cargo)	FED-STD-101C, Method 5019	Each case was vibrated for 20 minutes per axis. 1-inch peak to peak at around 4.75 Hz.
Vibration (sweep):	ATA 300, (Jan 15/96), which states in Appendix II, B.4. This test also exceeds the specifications listed in MIL-std-648C and may also fulfill ISO 8318 and ISO 2247.	"Vibration Test for Category I containers – Vibration tests shall be conducted on Category I containers in accordance with ASTM Designation D-999, Procedure B, within the range of 5 to 50 cycles per second for a period of not less than two (2) hours".
Simulated Rainfall	MIL-STD-810F, method 506.4, Procedure II of 4.1.2. Fed-Std-101C Method 5009.1, Sec 6.7.1	Four inches of rain per hour for 20 minutes each side. This was followed by a 4-hour test at 4" per hour on the top. Both tests saw the case heated to 18°F higher than the water temp.
Immersion	Mil-STD-810F, method 512.4 Fed-Std-101C	A 1-meter immersion for 1-hour with the case being heated to 40°F higher than the water temperature.