



RAM Mounts Testing Summary

IntelliSkin® for Zebra EM45 Device

Products Covered

RAM-GDS-SKIN-ZE37
RAM-GDS-SKIN-ZE37U
RAM-GDS-SKIN-ZE37-C
RAM-GDS-SKIN-ZE37-C-NC
RAM-GDS-SKIN-ZE37-C-RU



Test	Description
Shock – Zebra Modified Drop Test	Device dropped 26 times, on all faces (sides), corners, and edges from 60in (5ft) onto concrete. The unit test includes 8 corner drops, 12 edge drops, and 6 face drops. Drop orientations followed MIL-STD-810H, Method 516.8 standards. No damage to skin or device after test. Both were fully functional.
High Temperature – Storage	MIL-STD-810H, Method 501.7, Procedure I – Storage Temperature: 158°F (70°C)
High Temperature - Operation	MIL-STD-810H, Method 501.7, Procedure II – Operation Temperature: 122°F (50°C)
Low Temperature – Storage	MIL-STD-810H, Method 502.7, Procedure I – Storage Temperature: -40°F (-40°C)
Low Temperature – Operation	MIL-STD-810H, Method 502.7, Procedure II – Operation Temperature: 32°F (0°C)



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Zebra Modified Drop Test

Weight of Test Item & Case kg (lbs)	Largest Dimension cm (in.)	Notes	Height of Drop, in (ft)	Number of Drops
Under 45.4 (100) Man-packed or man-portable	Under 91 (36)		60in (5ft)	Drop on each face, edge and corner; total of 26 drops

Standard Logistic Transit Drop Test: MIL-STD-810H, Method 516.8, Table 516.8C-IX

MIL-STD-810H
METHOD 516.8

Table 516.8-IX. Logistic Transit Drop Test¹.

Weight of Test Item & Case kg (lbs)	Largest Dimension cm (in.)	Notes	Height of Drop, h cm (in.)	Number of Drops
Under 45.4 (100) Man-packed or man-portable	Under 91 (36)		122 (48)	Drop on each face, edge and corner; total of 26 drops ⁵
	91 (36) & over		76 (30)	
45.4 - 90.8 (100 – 200) inclusive	Under 91		76 (30)	Drop on each corner; total of eight drops
	91 (36) & over		61 (24)	
90.8-454 (200 – 1000) inclusive	Under 91		61 (24)	
	91 – 152 (36 – 60)	2	61 (24)	
	Over 152 (over 60)	2	61 (24)	
Over 454 (1000)	No limit	3 4	46 (18)	Drop on each bottom edge. Drop on bottom face or skids; total of five drops