

# Humidity-Resistant Storage Case for the Miller SafEscape™ ELITE Wind Energy Kit

## Description

Fully sealed and extremely durable Humidity-Resistant Storage Case(s) provides 10 year storage life for Miller SafEscape ELITE Wind Energy Kit(s), thus significantly reducing inspection and maintenance costs. External humidity indicator provides easy inspection of seal without opening the case(s).

## Materials

<b>Body:</b>	Polypropylene
<b>Latch:</b>	ABS
<b>Lid O-Ring:</b>	Polymer
<b>Pins:</b>	Stainless Steel
<b>Foam:</b>	Polyethylene 29 kg/m <sup>3</sup>
<b>Purge Vent:</b>	3 Micro Hydro-phobic Non-Woven PET

## Technical

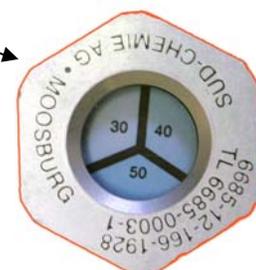
<b>Temperature Range:</b>	-40°/210°F (-40°/99°C)
<b>Dimensions (LxWxD):</b>	31.5-in. x 20.5-in. x 12.4-in. (80.2cm x 52cm x 31.6cm)
<b>Weight:</b>	21.7 lbs. (10kg)

## Certification

CASE (only): IP67, MIL C-4150-J, STANAG 4280 - DEF STAN 81-41, ATA300  
KIT (components): OSHA, ANSI/ASSE Z359.4, prEN341:2008/1A, EN1496:2007/B, CE0123, ISO22159:07/1/A

## Models

SEWPKTC/XXXFT- The XXX indicates the length of rope for the SafEscape unit. Standard kits are available from 50-ft. to 325-ft. in 25-ft. increments. Example: SEWPKTC/300FT. Kits include: humidity resistant storage case, Miller SafEscape ELITE RDD, hoisting wheel, ladder bracket, T-bar, edge protector, three anchor slings, three carabiners, pulley, adjustable rope anchor and rescue rope grab.



External Humidity Indicator

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## Testing

### STANAG 4280 - DEF STAN 81-41

Miller SafEscape Humidity-Resistant Storage Cases have passed several extremely challenging tests: Vibration, Low Temperature, Dry Heat, and Impact, with great success. With that, these cases are approved to STANAG 4280 - DEF STAN 81-41 Standards.

#### Testing in accordance to STANAG 4280-DEF STAN 81-41

**Vibration Test K DEF STAN 81-41:** At 25°C, 2 hours of vibration at amplitude of  $\pm 0.23''$  ( $\pm 6$  mm) peak (0.46" DA) from 5 to 9 Hz and  $\pm 2$  g peak from 9 to 350 Hz and a sweep rate of  $0.75 \pm 0.25$  octave.

**Low Temperature Test G DEF STAN 81-41:** Decrease temperature to  $-20 \pm 2^\circ\text{C}$  for  $16 \pm 5$  hours and afterwards return to  $20 \pm 10^\circ\text{C}$ .

**Dry Heat Test C DEF STAN 81-41:** Increase temperature from  $25 \pm 10^\circ\text{C}$  to  $55 \pm 2^\circ\text{C}$ , humidity not exceeding 75%, and maintain conditions for  $48 \pm 1$  hours. Return temperature to  $20 \pm 10^\circ\text{C}$ .

**Impact Vertical Test E DEF STAN 81-41:** At  $25 \pm 10^\circ\text{C}$ , the case is dropped from a height of  $1000 \pm 5$  mm making sure that the impact is received in all angles of the case.

### Ingress Protection (IP) codes - EN 60 529: 1992

Miller SafEscape Humidity-Resistant Storage Cases are IP67 certified. It refers to protection against solid particles (first digit) and liquids (second digit). Therefore 6 means dust-tight (6 being the maximum rating) and 7 means protection against immersion (8 being the maximum rating, indefinite immersion).

### MIL C-4150-J

This is a US military approval for cases under the following conditions: stacking, drop, immersion and humidity.

#### Environmental tests in accordance to MIL C-4150-J

**Weight:** Case s loaded from 20 to 64 lbs. (9 to 29 kg) Establish minimum weight required to resist in accordance with Weight and Drop table. (\*)

**Impact:** Case placed in a chamber with Temperature at  $+60^\circ\text{C}$ , removed it from chamber and loaded it with weight and submitted to incline impacts on each surface. Perform same procedure on the chamber again with decrease Temperature to  $-20^\circ$ .

**Leak:** Kept one hour underwater in a submersion tank with less Temperature than when it was sealed outside of the tank.

**Drop:** Same procedure as Impact but is dropped with weight from different heights and in different orientations. Drops ensure that impact is received on all angles of the case.

**Reusability:** Repeatedly opened and closed for five times after leak. Visually inspect the case for degradation.

**Vibration:** Cases are placed into a vibration machine with weight and tested in all positions so that it may be shipped up to a total of three hours.

**Handling:** Minimum of two minutes suspension above the floor with weight by one handle or lifting ring. Visual inspection of damage, failure or deformation.

### ATA (Air Transportation Association) - Specification 300

This certificate is specific for packaging in the Airline Industry. It tests the cases as a reusable container for a minimum of 100 round trips. It tests and measures impact and drop resistance.

#### Impact Test for Category 1

Impact of a metal bar of 1.3 in. (3.2 cm) diameter with a hemispherical end, weighing 13 lbs. (6 kg) and being dropped with its longitudinal axis vertical, onto the weakest point of any exterior surface. The drop of the bar was 1.6 ft. (0,5 m) high.

#### Drop Test for Category 1

The case is dropped from 2.5 ft. (76 cm) onto each corner, face and edge with the results of no damage. Secondary tests were done with the inclusion of a secured weight [from 40 to 51 lbs. (18 to 23 kg)].