

# USPA Canopy Downsizing Chart (Proposed)

Jumpers with less than 500 skydives must downsize according to this chart.

\*Size must be Increased as Necessary to reflect “Relevant Variables” such as:

{canopy design, currency, individual ability and density altitude}.

\*See footnotes and explanations (below)

Exit Weight (lbs)	110	121	132	143	154	165	176	187	198	209	220	232	243	254	265
<b>Jumps</b>															
<b>1</b>	190 (170)	190 (170)	190 (170)	190 (170)	190 (170)	190 (170)	210 (178)	210 (189)	230 (200)	230 (211)	230 (222)	260 (230)	260 (230)	260 (230)	260 (230)
<b>20</b>	170 (170)	170 (170)	170 (170)	170 (170)	190 (170)	190 (170)	210 (176)	210 (187)	230 (198)	230 (209)	230 (220)	230 (230)	230 (230)	230 (230)	230 (230)
<b>40</b>	170 (150)	170 (150)	170 (150)	170 (150)	170 (150)	190 (160)	210 (171)	210 (182)	230 (192)	230 (203)	230 (214)	230 (224)	230 (230)	230 (230)	230 (230)
<b>60</b>	170 (150)	170 (150)	170 (150)	170 (150)	170 (150)	190 (156)	190 (166)	210 (177)	210 (187)	230 (198)	230 (208)	230 (218)	230 (229)	230 (230)	230 (230)
<b>80</b>	170 (150)	170 (150)	170 (150)	170 (150)	170 (150)	190 (152)	190 (162)	210 (172)	210 (182)	230 (193)	230 (203)	230 (213)	230 (223)	230 (233)	230 (230)
<b>100</b>	150 (135)	150 (135)	150 (135)	150 (135)	170 (150)	170 (150)	190 (158)	190 (168)	210 (178)	210 (188)	230 (198)	230 (208)	230 (217)	230 (227)	230 (230)
<b>120</b>	150 (135)	150 (135)	150 (135)	150 (135)	150 (135)	170 (145)	190 (154)	190 (164)	210 (174)	210 (183)	220 (193)	230 (203)	230 (212)	230 (222)	230 (230)
<b>140</b>	150 (135)	150 (135)	150 (135)	150 (135)	150 (135)	170 (141)	190 (151)	190 (160)	210 (170)	210 (179)	210 (188)	230 (198)	230 (207)	230 (217)	230 (226)
<b>160</b>	150 (135)	150 (135)	150 (135)	150 (135)	150 (135)	170 (138)	170 (147)	190 (156)	190 (166)	210 (175)	210 (184)	230 (193)	230 (202)	230 (212)	230 (221)
<b>180</b>	150 (135)	150 (135)	150 (135)	150 (135)	150 (135)	150 (135)	170 (144)	190 (153)	190 (162)	210 (171)	210 (180)	210 (189)	230 (198)	230 (207)	230 (216)
<b>200</b>	135 (120)	135 (120)	135 (120)	135 (120)	150 (123)	150 (132)	170 (141)	170 (150)	190 (158)	190 (167)	210 (176)	210 (185)	230 (193)	230 (202)	230 (211)
<b>220</b>	135 (120)	135 (120)	135 (120)	135 (120)	135 (120)	150 (129)	170 (138)	170 (146)	190 (155)	190 (163)	210 (172)	210 (181)	210 (189)	230 (198)	230 (207)
<b>240</b>	135 (120)	135 (120)	135 (120)	135 (120)	135 (120)	150 (126)	150 (135)	170 (143)	190 (152)	190 (160)	190 (168)	210 (177)	210 (185)	230 (194)	230 (202)
<b>260</b>	135 (120)	135 (120)	135 (120)	135 (120)	135 (120)	150 (124)	150 (132)	170 (140)	170 (148)	190 (157)	190 (165)	210 (173)	210 (181)	210 (190)	230 (198)
<b>280</b>	135 (120)	135 (120)	135 (120)	135 (120)	135 (120)	135 (121)	150 (129)	170 (137)	170 (145)	190 (154)	190 (162)	190 (170)	210 (178)	210 (186)	230 (194)
<b>300</b>	135 (120)	135 (120)	135 (120)	135 (120)	135 (120)	135 (120)	150 (127)	150 (135)	170 (143)	170 (150)	190 (158)	190 (166)	210 (174)	210 (182)	210 (190)
<b>320</b>	135 (120)	135 (120)	135 (120)	135 (120)	135 (120)	135 (120)	150 (124)	150 (132)	170 (140)	170 (148)	190 (155)	190 (163)	190 (171)	210 (179)	210 (186)
<b>340</b>	135 (120)	135 (120)	135 (120)	135 (120)	135 (120)	135 (120)	135 (122)	150 (129)	150 (137)	170 (145)	170 (152)	190 (160)	190 (168)	190 (175)	210 (183)
<b>360</b>	135 (120)	135 (120)	135 (120)	135 (120)	135 (120)	135 (120)	135 (120)	150 (127)	150 (135)	170 (142)	170 (149)	190 (157)	190 (164)	190 (172)	210 (179)
<b>380</b>	135 (120)	135 (120)	135 (120)	135 (120)	135 (120)	135 (120)	135 (120)	150 (125)	150 (132)	170 (139)	170 (147)	170 (154)	190 (161)	190 (169)	210 (176)
<b>400</b>	135 (120)	135 (120)	135 (120)	135 (120)	135 (120)	135 (120)	135 (120)	135 (122)	150 (130)	150 (137)	170 (144)	170 (151)	190 (158)	190 (166)	190 (173)
<b>420</b>	135 (120)	135 (120)	135 (120)	135 (120)	135 (120)	135 (120)	135 (120)	135 (120)	150 (127)	150 (134)	170 (142)	170 (149)	190 (156)	190 (163)	190 (170)
<b>440</b>	135 (120)	135 (120)	135 (120)	135 (120)	135 (120)	135 (120)	135 (120)	135 (120)	150 (125)	150 (132)	150 (139)	170 (146)	170 (153)	190 (160)	190 (167)
<b>460</b>	135 (120)	135 (120)	135 (120)	135 (120)	135 (120)	135 (120)	135 (120)	135 (120)	135 (123)	150 (130)	150 (137)	170 (143)	170 (150)	190 (157)	190 (164)
<b>480</b>	135 (120)	135 (120)	135 (120)	135 (120)	135 (120)	135 (120)	135 (120)	135 (120)	135 (121)	150 (128)	150 (132)	170 (141)	170 (148)	170 (155)	190 (161)
<b>499</b>	135 (120)	135 (120)	135 (120)	135 (120)	135 (120)	135 (120)	135 (120)	135 (120)	135 (120)	150 (126)	150 (132)	170 (139)	170 (145)	170 (152)	170 (159)

[Converted Data from the Swedish Parachute Association, by Brian Germain]

## Footnotes and Explanations:

The chart gives two different values:

a) Top Number: “**Middle of Range**” {Square Feet}

\*Not an absolute figure. See “Relevant Variables” (above)

b) Bottom Number: “**Minimum Size Allowed**” (*In Brackets*)

\*The size of the reserve canopy is dictated by recommendations from the manufacturer.

\*The chart is based on **Total Exit Weight**:

[ jumper + all equipment] (average + 22 lbs)

## Relevant Variables:

\***Density altitude compensation:** Increase surface area one size (15-20 sq ft) for each increment of 2500 feet of altitude.

(example: 5000 feet changes a 120 to a 150)

\***Currency:** Add one size for less than 100 jumps per year

Add two sizes for less than 50 jumps per year

\***Canopy Design:** Add one size for Fully Elliptical Canopies

(F.E.C. = More than 20% wingtip taper)

(Fully Elliptical Canopies are not permitted for jumpers with less than 200 jumps)

## Other Issues:

\***Rounding Weight:** Use the weight and size to the right of your numbers. If your weight is above the number on the chart, round up to next the higher number.

\***Skipping Sizes:** It is not permitted to skip sizes in order to downsize. At least three safe landings must be made on each size before moving to the next smaller size.

***\*Jumpers are welcome to use a larger parachute than the chart suggests.***