

Racking Up: Weight Comparisons



(1) 2004 Standard rack



(2) New U.L. rack & F.S. Mini = 37% lighter than 2004 standard rack

The benefits of ultra-light equipment and how to arrange those shiny bits and pieces on your gear sling!

Many people have a good idea how much their mountain bike, sleeping bag, or climbing pack weighs. But few people actually know how much their climbing rack weighs. We thought we would put together a sample rack of our old style gear vs. the new Ultra-light gear, demonstrating the weight savings involved with our new equipment. The less weight you haul, the more fun and safe your climbing experience will be. The question then becomes, do I take the weight savings and carry a lighter rack, or add a few extra pieces of gear just to be sure? Either way, it's a win-win situation.

Typical free rack:	2004 Standard rack (Protection & biner) Image 1	2007/08 Ultra-light rack (U.L. Pro/Inferno biner) Not pictured	2010 Ultra-light rack (U.L. Pro/new F.S. Mini biner) Image 2
10 Power Cams - #00 - #8	1051 g	842 g	842 g
6 TCU - #00 - #4	462 g	341 g	341 g
10 Curve Nuts - #1 - #10	465 g	334 g	334 g
5 Astro Nuts - #6 - #10	97 g	86 g	86 g
Equals 31 pieces of pro:	2075 g (4.57 lb)	1603 g (3.53 lb)	1603 g (3.53 lb)
Carabiners:	Solid gate	Inferno wire-gate	F.S. Mini
19 racking carabiners	950 g	665 g	473 g
5 free carabiner	250 g	175 g	124 g
10 quickdraws	1140 g	780 g	564 g
Carabiner and QD Total:	2340 g (5.15 lb)	1620 g (3.57 lb)	1161 g (2.56 lb)
Protection & Biners:			
Protection	2075 g (4.57 lb)	1603 g (3.53 lb)	1603 g (3.53 lb)
Carabiners	2340 g (5.15 lb)	1620 g (3.57 lb)	1161 g (2.56 lb)
Total:	4415 g (9.72 lb)	3223 g (7.10 lb)	2764 g (6.09 lb)

2004 rack vs. 2010 rack total weight savings = 1651 g (3.64 lb)

26% weight savings over 2004 rack

37% weight savings over 2004 rack