

Bicycle helmets



Giro
Trinity MIPS

Spectra
Urbana EV1 MIPS

Scott
Arx plus MIPS

Sweet
Bushwhacker
MIPS

Biltema
Cykelhjälms
27-0088

Bell
Traverse MIPS

MET
20 Miles

Abus
Scrapper v2 Petrol

Specialized
Echelon II

| | | | | | | | | | |
|------------------|--|--|--|--|--|--|--|--|--|
| Consumer contact | bikegear.cc | cycleurope.se | scott-sports.com | sweetprotection.com | biltema.se | bikegear.cc | met-helmets.com | abus.com | specialized.com |
|------------------|--|--|--|--|--|--|--|--|--|

| | | | | | | | | | |
|------------------------|-----|-----|-------|-------|-----|-----|-----|-----|-----|
| Approximate price, SEK | 799 | 999 | 1 299 | 1 899 | 100 | 799 | 669 | 499 | 929 |
|------------------------|-----|-----|-------|-------|-----|-----|-----|-----|-----|

Product facts

| | | | | | | | | | |
|---|-------|---------------|-----------------------|-----------------------|---------------|---------------|---------------|---------------|-----------------------|
| Sizes (cm) | 54–61 | 55–59 / 58–61 | 51–55 / 55–59 / 59–61 | 53–56 / 56–59 / 59–61 | 55–58 / 58–60 | 54–61 / 58–65 | 52–58 / 59–62 | 52–58 / 58–63 | 51–57 / 54–60 / 57–63 |
| Weight (grams) | 309 | 295 | 280 | 375 | 257 | 308 | 280/300 | 450/490 | 307 (M) |
| MIPS protection according to manufacturer | Yes | Yes | Yes | Yes | No | Yes | No | No | No |

Selected measurements

Shock absorption

| | | | | | | | | | |
|----------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Linear impact at +50°C (g-force) | 156 | 177 | 126 | 201 | 133 | 176 | 179 | 188 | 170 |
| Linear impact at -20°C (g-force) | 193 | 217 | 166 | 178 | 150 | 192 | 182 | 227 | 238 |

Protection against head rotation (fall to side)

| | | | | | | | | | |
|--------------------------------|------|------|------|------|------|------|------|------|------|
| Stretching of brain tissue (%) | 12,5 | 15,1 | 18,7 | 15,8 | 20,9 | 15,6 | 14,3 | 25,5 | 24,7 |
| Risk of concussion (%) | 13 | 17 | 25 | 19 | 31 | 18 | 16 | 46 | 43 |

Protection against head rotation (fall forwards)

| | | | | | | | | | |
|--------------------------------|------|------|------|------|------|------|------|------|------|
| Stretching of brain tissue (%) | 17,6 | 14,1 | 22,6 | 19,2 | 25,8 | 21,8 | 27,2 | 28,0 | 28,7 |
| Risk of concussion (%) | 23 | 15 | 36 | 27 | 47 | 34 | 52 | 54 | 57 |

Test result score 1 to 5 where 5 is best (weight in total score in brackets)

| | | | | | | | | | |
|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Shock absorption (50%) | 4,0 | 3,7 | 4,4 | 3,8 | 4,4 | 3,9 | 3,9 | 3,6 | 3,6 |
| Protection against head rotation (50%) | 3,7 | 3,8 | 3,0 | 3,3 | 2,5 | 3,2 | 2,8 | 2,0 | 2,0 |
| Total score | 3,9 | 3,7 | 3,7 | 3,6 | 3,5 | 3,5 | 3,4 | 2,8 | 2,8 |

Comments

Best in test. Good shock absorption and good protection against head rotation.

Best protection against head rotation.

Excellent shock absorption. Worst protection against head rotation out of the MIPS helmets.

Good protection against head rotation. Most expensive.

Excellent shock absorption. Worst protection against head rotation. Lightest. Cheapest.

Good shock absorption and good protection against head rotation.

Good protection against head rotation during falls to the side, but worse during falls forward.

Worst protection against head rotation. Heaviest.

Worst protection against head rotation.