

# Scope Specs Table

## **SHORT Scopes — and 3-12x and 3-9x Scopes**

**Bottom Magni. = 3x or lower**

**Top Magni. = 9x to 12x (or more magni. if 13" short)**

**with 10y-Side Parallax**

**Exposed Turrets**

**Holdoff Reticle**

**Under \$500 (most are under \$200-300)**

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### **Requirements for this Table** (few exceptions are included)

Bottom magnification = 3x or lower

Top magnification = between 9x and 12x | if a scope has a higher top magnification it is listed  
*only if the scope is 13" (33cm) or shorter*

Minimum Parallax = 10 yards or less

Turrets = Exposed

Side Parallax Adjustment

Reticle = Holdoff reticle (evenly spaced hash lines or dots for aiming with holdoff/ holdover;  
some exceptions are listed due to their exceptionally light weight or short size)

Price = between \$200 and \$500 (most are between \$200 and \$300)

### **Abbreviations in the Table**

**Green** is a good thing... – e.g.: a very good warranty, a shorter size or lighter weight than average for this magnification range, a larger than average elevation adjustment range, a very wide field of view (FoV), or some additional feature (bubble level, zero stop, turret turn counter, numbers on the hash lines of the reticle), etc.

**Red** is less of a good thing... – e.g.: a not so great warranty, a longer size or heavier weight than average, a smaller than average elevation adjustment range, a very narrow field of view (FoV), or some other negative or limiting feature, like: a small exit pupil (reducing the eye box), a min. parallax longer than 10y, a reticle without illumination, capped turrets, an FFP reticle without thick outside posts, or a price higher than the max. price that was set for this scope table), etc.

**Orange** is a caution flag, a marginal feature or characteristic... – e.g.: warranty limitations, a marginal FoV, a smaller objective diameter for (supposedly) less light than average for the magnification range, an uneven number of mils or moas per turret turn (not multiples of 5mil or 10moa), a 34mm tube (somewhat limiting scope mount choices), a price so low as to shed doubt on the quality of the scope, etc.

**SFP** vs. **FFP** = table starts with **SFP** (*second focal plane*) scopes, then *first focal plane* (**FFP**)

*Thick O/S Posts* [for **FFP**] = thick black outside posts, i.e., 3 or 4 of the crosshairs are thick toward the outside (the posts are not hollow rectangles, but filled in with black), which allows seeing the crosshairs easily even when at low magnification

*10x* [or 16x, or another number] [for **SFP**] = the magnification at which the holdoff hash lines or dots have been calibrated, i.e., where 1 moa indicated on the reticle actually is 1.047" in reality at 100 yards

*Price \$ Low* = lowest prices in US dollars I found in 2019 (some 2020) [additional price separated by a *comma* , – and separated by a *semicolon* ; from the manufacturer's price]

*Price Mfctr.'s* = manufacturer's price [last price in that field, after the semicolon ; ]

*No.* = the manufacturer's product or parts number; helpful to identify the scope at a seller's page as some scopes are very similar and the seller's description is either misleading or insufficient to identify the scope with certainty; also for shopping for the lowest price it helps to enter the number in the search

**Discont.** = product has been discontinued (but still could be purchased used)

*Warranty Info:* **Life** = life time warranty | **5y** = 5 years warranty | **OOwn** = warranty only for the original owner | **Unlmt** = unlimited warranty | **Anyb.** = warranty applies to any owner, anybody (e.g., even if you bought it used) | **NoRec.** = no receipt (proof of purchase) required | **Rec.** [or: **R.**] = receipt (proof of purchase) required

*FoV* = Field of View (in ft at 100y): A large FoV at the bottom end of the magnification range is important for *hurried close range shooting*, as the large FoV helps rapid target acquisition. Note that a wide FoV is not critical for *unhurried target shooting*. The color coding is based on my very personal, unabashedly subjective estimation that *for my kind of hurried close range shooting* I'd like to have a FoV of at least 3ft at 10y (which translates to 30ft @100y in the scope specs, color coded black). The color coding is applied irrespective of the scope's magnification, so naturally 6-24x scopes for example don't usually get a green rating, but orange or red. Note however that there are significant differences in FoV between scopes with the same magnification range.

**42ft or more** | **41-36ft** | 35-30ft | **29-23ft** | **22-17ft** | **16ft or less**

*IR* = illuminated reticle [Y = yes | **NO**]

*Reticle; Ret.* **D** = "dots" = enough dots or hash lines on the crosshairs for holdoffs

**N** = "numbers" = the dots or hash lines are numbered for quicker holdoffs

**Grid** = the reticle is a grid style ("Christmas tree style"), for simultaneous elevation *and* windage holdoffs

**BDC** = bullet drop compensating reticle, meaning that the spacing between the hash lines is uneven and therefore not usable for holdoffs unless shooting the ammo the reticle was calibrated for

**A little caution for using short scopes:** Short scopes have short tubes. That means:

- Less flexibility of where to put scope rings, especially if the magazine of a PCP sticks up between a two-part scope rail.
- Less flexibility of where to put a voluminous scope ring (like the Burris XTR) that can obstruct your view of the turret settings if it is mounted smack next to the turret.
- Less space to mount anything else on the scope tube: bubble level, flashlight holder, IR gear, etc.

|   |                                |                              |                       | Magni.             | → FoV                                   | → Eye Box             |                          |               |                               | Exposed Turrets |                   |                |                  | Holdoff Reticle                                      |                         |                        |                       | Dimensions            |                          |  |  |
|---|--------------------------------|------------------------------|-----------------------|--------------------|---|-----------------------|--------------------------|---------------|-------------------------------|-----------------|-------------------|----------------|------------------|--|-------------------------|------------------------|-----------------------|-----------------------|--------------------------|--|--|
| *in 2019, some 2020   | Price* \$:<br>Low;<br>Mfctr.'s | War-<br>ranty                | Sprn-<br>ger-<br>Ratd | Magni-<br>fication | FoV<br>=Field of<br>View @<br>100y (ft) | Obj.<br>∅ Dia<br>(mm) | Exit<br>Pupil<br>(mm)    | IR<br>Y/<br>N | Max<br>Elev.<br>Adj.<br>(MOA) | 1<br>Click<br>= | 1 T.<br>Turn<br>= | Turrets<br>in: | Reticle<br>in:   | FFP-<br>Thick O/S Posts?<br>- SFP<br>Calibration at? | Enough<br>Dots,<br>No's | Line<br>Thick-<br>ness | 1" or<br>30mm<br>Tube | Weight<br>(oz)<br>(g) | Length<br>(inch)<br>(cm) | Misc. +<br>Reviewers'<br>"Comments"                        |  |
|   |                                |                              |                       | SFP Scopes         |   |                       |                          |               |                               |                 |                   |                |                  |  |                         | at max.                |                       |                       |                          |  |  |
| Monstrum: V2 Tactical<br>AO No. S31242-M-RGAO-V2-1  | ?; 100                         | 1y, R.<br>0.Own              | ?                     | 3-12x              | ?                                       | 42                    | ?                        | Y             | ??                            | 1/4<br>inch     | 15(?)<br>inch     | SMDA≠          | ≠MIL             | SFP  | D                       |                        | 30                    | 22.4<br>635g          | 11.5"<br>29c             | Capped Turrets!<br>BUT Clickable                           |  |
| Bushnell: AR Optics<br>Rifle Scope  | ?; 170                         | Life,<br>NoRec               | ?                     | 3-12x              | 29-7                                    | 40                    | ?                        | NO            | 50<br>Elev.<br>85<br>Wind.    | 0.1<br>mil      | 6 mil             | MIL            | None!<br>(BDC)   | SFP  | None!<br>(BDC)          |                        | 1"                    | 19.0<br>539g          | 12"<br>31c               | T Turn Counter   |  |
| Bushnell: Trophy  | 130;                           | Life,<br>NoRec               | ?                     | 4-12x              | 29-10                                   | 40                    | ?                        | NO            | 60                            | ?               | ?                 | MIL            | None!<br>X-Hairs | SFP  | None!<br>X-Hairs        |                        | 1"                    | 16.4<br>464g          | 12.8"<br>33c             | Capped Turrets!<br>specifics unknown                       |  |
| Bushnell: Prime   | 234;<br>304                    | Life,<br>NoRec               | ?                     | 4-12x              |   | 40                    | ?                        | NO            | 60                            |                 | 15<br>moa         | MOA            | None!<br>X-Hairs | SFP  | None!<br>X-Hairs        |                        | 1"                    | 16.4<br>464g          | 12.8"<br>33c             | Wind. Turret Capped  |  |
| Nikko Stirling: C-More<br>X10 Discont. No. NSCM22044  | 410;<br>?                      | Life,<br>0.Own               | ?                     | 2-20x              | 47-5                                    | 44                    | 22-<br>2.2<br>calculated | Y             | 60                            | 1/4<br>moa      | ?                 | MOA≠           | ≠MIL             | SFP  | D                       | ?                      | 30                    | 25.7<br>730g          | 13.3"<br>34c             |  |  |
| MTC: Viper Connect<br>•w/ SCB2 Reticle  | 400;<br>-                      | Life <sup>30d</sup><br>ROOwn | No                    | 3-12x              | 61-17<br>super<br>wide                  | 24!                   | 8-<br>2.0<br>calculated  | Y             | 120                           | 1/4<br>inch     | 12<br>inch        | SMDA=          | =MOA             | SFP<br>?x  | D                       | ?                      | 30                    | 21.2<br>600g          | 11.3"<br>29c             | ▲SuperShortEye<br>Relief 1.2" (3cm)                        |  |
| MTC: Viper Connect<br>•w/SCB2Ret.   Requires<br>special\$58 mount   | 400;<br>-                      | Life <sup>30d</sup><br>ROOwn | No                    | 3-12x              | 61-17<br>super<br>wide                  | 32                    | 11-<br>2.7<br>calculated | Y             | 120                           | 1/4<br>inch     | 12<br>inch        | SMDA=          | =MOA             | SFP<br>?x  | D                       | ?                      | 30                    | 22.9<br>650g          | 11.3"<br>29c             | ▲Super Short<br>Eye Relief 1.2"<br>(3cm)                   |  |
| UTG: Accushot T8<br>Tactical: •w/ MOA Ret.<br>No. SCP3-216UMOA  | 178;<br>230                    | Life                         | Yes!!                 | 2-16x              | 44-6                                    | 44                    | 22-<br>2.7               | Y             | ??                            | 1/4<br>inch     | 18<br>inch        | SMDA=          | =MOA             | SFP 10x  | D, N                    | ?                      | 30                    | 22.6<br>641g          | 12.4"<br>32c             |  |  |
| UTG: Accushot OP3: •w/<br>MOARet. No. OP3-GM3124UMOA  | 198;<br>240                    | Life                         | Yes!!                 | 3-12x              | 32-10                                   | 44                    | 13-<br>3.9               | Y             | ??                            | 1/4<br>moa      | 24<br>moa         | MOA=           | =MOA             | SFP 10x  | D, N                    | ?                      | 30                    | 21.0<br>595g          | 10.1"<br>26c             | Locking Turrets  |  |
| UTG: Accushot OP3: •w/<br>MOA Ret. No. OP3-GM4164UMOA   | 210;<br>255                    | Life                         | Yes!!                 | 4-14x              | 26-8                                    | 44                    | 11-<br>3.0               | Y             | ??                            | 1/4<br>moa      | 24<br>moa         | MOA=           | =MOA             | SFP 10x  | D, N                    | ?                      | 30                    | 21.5<br>610g          | 10.7"<br>27c             | Locking Turrets  |  |
| UTG: Accushot<br>Precision No. SCP3-UG312A0IEW  | 142;<br>180                    | Life                         | Yes!!                 | 3-12x              | 34-9                                    | 44                    | 13-<br>3.9               | Y             | ??                            | 1/4<br>moa      | ???               | MOA≠           | ≠MIL             | SFP 10x  | D                       | ?                      | 30                    | 22.7<br>643g          | 14.0"<br>36c             | Locking Turrets  |  |
| UTG: Bugbuster<br>•No. SCP-M312A0WQ = w/ Picatinny r.<br>•No. SCP-M312A0D = w/ Dovetail r.  | 125;<br>130                    | Life                         | Yes!!                 | 3-12x              | 31-10                                   | 32                    | 10-<br>2.7               | NO            | ??                            | 1/8"<br>inch    | 24<br>inch        | SMDA≠          | ≠MIL             | SFP 10x  | D                       | ?                      | 1"                    | 12.7<br>360g          | 8.1"<br>21c              | Min. Parallax:<br>3y   Wire reticle                        |  |
| UTG: Bugbuster<br>No. SCP-M392A0D = w/ Dovetail rings   | 110;<br>125                    | Life                         | Yes!!                 | 3-9x               | 37-12                                   | 32                    | 10-<br>3.6               | NO            | ??                            | 1/8"<br>inch    | 24<br>inch        | SMDA≠          | ≠MIL             | SFP 9x   | D                       | ?                      | 1"                    | 12.0<br>340g          | 7.9"<br>20c              | Min. Parallax:<br>3y   Wire reticle                        |  |
| UTG: Bugbuster<br>•No. SCP-M392A0IEWQ = red-green-blue<br>IR + Picatinnyrings   Right side turret is IR!<br>•No. SCP-M392A0LWQ = 36-color IR<br>+ Picatinny rings | 79;<br>108                     | Life                         | Yes!!                 | 3-9x               | 38-14                                   | 32                    | 10-<br>3.6               | Y             | ??                            | 1/4"<br>inch    | 18<br>inch        | SMDA≠          | ≠MIL             | SFP 9x   | D                       | ?                      | 1"                    | 14.0<br>397g          | 8.2"<br>21c              | Min.Parallax: 3y<br>▲FrontParallax!<br>Wire reticle        |  |
| UTG: Bugbuster<br>No. OP3-GM3936TMOAB   | New in<br>2020                 | Life                         | Yes!!                 | 3-9x               | 34-11                                   | 36                    | 12-<br>4.0               | Y             | ??                            | 1/2"<br>moa     | 32?<br>moa        | MOA=           | =MOA             | SFP 9x   | D, (N)                  | ?                      | 30                    | 17.2<br>488g          | 8.2"<br>21c              | Min.Parallax: 3y<br>[etched glass reticle]<br>Bubble Level |  |
| Optisan: EVX 3-12X44i<br>(MIL-MH10X)  | 380;<br>430                    | Life                         | ?                     | 3-12x              | 37-9                                    | 44                    | 14-<br>4.0               | Y             | 50                            | 0.1<br>mil      | 4.8<br>mil!!      | MIL =          | =MIL             | SPF 10x  | D, (N)                  |                        | 30                    | 27.7<br>700g          | 13.3"<br>34c             | T Revolution<br>uneven 4.8 mil!                            |  |

|  |                          |                     |                | Magni. → FoV      | → Eye Box                       | Exposed Turrets |                 |        |                      | Holdoff Reticle |             |                |              | Dimensions  |                   |                                      |                 |                 |                    |   |  |
|--|--------------------------|---------------------|----------------|-------------------|---------------------------------|-----------------|-----------------|--------|----------------------|-----------------|-------------|----------------|--------------|---|-------------------|--------------------------------------|-----------------|-----------------|--------------------|---|--|
| *in 2019, some 2020  | Price* \$: Low; Mfctr.'s | Warranty            | Springer-Rated | Magnification     | FoV = Field of View @ 100y (ft) | Obj. Dia (mm)   | Exit Pupil (mm) | IR Y/N | Max Elev. Adj. (MOA) | 1 Click =       | 1 T. Turn = | Turrets in:    | Reticle in:  | FFP <sup>1</sup> Thick O/S Posts? - SFP Calibration at? | Enough Dots, No's | Line Thickness                       | 1" or 30mm Tube | Weight (oz) (g) | Length (inch) (cm) | Misc. + Reviewers' "Comments"   |  |
| <b>Hawke:</b> Airmax 30 SF AMX IR No. 13 300                     | 374; 429                 | Life, R. Own        | Yes!!          | <b>3-12x</b>      | 31-8                            | 50              | 17-4.0          | Y, N   | 95                   | ¼ moa           | 15 moa      | MOA ≠          | ≠ MIL        | SFP   | D                 | ?                                    | 30              | 27.5 780g       | 13.6" 35c          |   |  |
| <b>Vector:</b> Veyron SFP No. SCUM-24                            | 169; ?                   | 5y                  | Yes!!          | <b>3-12x</b>      | 35-9                            | 44              | 14-3.6          | N O    | 58                   | 0.1 mil         | 6 mil       | MIL =          | = MIL        | SFP   | D                 | ?                                    | 30              | 17.6 500g       | 9.7" 25c           | Eye Relief: 9.0-8.5cm   |  |
| <b>Discovery:</b> VT-3 3-12x44 SF SFP No. 170612                 | ? 180                    | 3y                  | Yes            | <b>3-12x</b>      | 35-9                            | 44              | ? 3.4           | N O    | 68                   | 0.1 mil         | 6 mil       | MIL =          | = MIL        | SFP   | D, N              | ?                                    | 30              | 18.4 521g       | 10.0" 25c          | Locking Turrets<br>Eye Relief: 9-8.5cm  |  |
| <b>Athlon:</b> Talos Mildot No. 215004                           | 150; 180                 | Life, NoRec         | ?              | <b>3-12x</b>      | 34-9                            | 40              | 13-3.4          | N O    | 67                   | 0.1 mil         | 6 mil       | MIL =          | = MIL        | SFP   | D                 | .05 <sup>mi</sup> .17 <sup>mo</sup>  | 1"              | 16.2 459g       | 12.0" 30c          | <b>Capped Turrets!</b><br>BUT Clickable.<br>T Turn Counter                    |  |
| <b>Sightron:</b> S-TAC 30MM No. 793139-260130                    | 300; 390                 | Life                | Yes!!          | <b>3-16x</b>      | 32-6                            | 42              | ? 3.4           | N O    | 70                   | ¼ moa           | 15 moa      | MOA =          | = MOA        | SFP 16x   | D                 | .02 <sup>mi</sup> .08 <sup>mo</sup>  | 30              | 23.5 666g       | 12.9" 33c          | <b>Capped Turrets!</b><br>BUT Clickable<br>T Turn Counter                     |  |
| <b>Bushnell:</b> Engage No. REN21044DG                           | 250; 343                 | Life, NoRec         | ?              | <b>25-10x</b>     | 45-11                           | 44              | 17-4.4          | N O    | 50                   | ¼ moa           | 15 moa      | MOA =          | = MOA        | SFP   | D                 |                                      | 30              | 19.3 547g       | 13.5" 35c          |   |  |
| <b>Bushnell:</b> Engage No. REN31242DG                           | 243; 328                 | Life, NoRec         | ?              | <b>3-12x</b>      | 30-6                            | 42              | ? 3.4           | N O    | 50                   | ¼ moa           | 15 moa      | MOA =          | = MOA        | SFP   | D                 |                                      | 30              | 19.5 553g       | 14.0" 36c          |   |  |
| <b>Riton:</b> MOD5 GEN2 Wide FoV No. 019962523861                | 420; 520                 | Life, NoRec         | ?              | <b>4-16x</b>      | 29-8                            | 50              | 12-3.1          | Y      | 80                   | ¼ moa           | 15 moa      | MOA =          | = MOA        | SFP 16x   | D                 |                                      | 30              | 23.0 652g       | 12.0" 30c          | <b>Capped Turrets!</b><br>BUT Clickable                                       |  |
| <b>Hawke:</b> Airmax 30 Touch No. 13 260<br>Eye Relief 1.2"/ 3cm | ?; 450                   | Life, R. Own        | Yes!!          | <b>3-12x</b>      | 64-18 super wide                | 32              | 10-2.7          | Y      | 250                  | 0.1 mil         | 6 mil       | MIL =          | = MIL        | SFP 10x   | D                 | ?                                    | 30              | 20.2 572g       | 10.5" 27c          | <b>Capped Turrets!</b><br>BUT Clickable, Large<br>T Turn Counter              |  |
| <b>Hawke:</b> Airmax 30 SF Compact No. 13 200                    | 329; 360                 | Life, R. Own        | Yes!!          | <b>3-12x</b>      | 44-11                           | 40              |                 | Y      | 100                  | 0.1 mil         | 5? mil      | MIL =          | = MIL        | SFP 10x   | D                 | ?                                    | 30              | 20.8 589g       | 10.9" 28c          | <b>Capped Turrets!</b><br>BUT Clickable<br>T Turn Counter                     |  |
| <b>Hawke:</b> Airmax 30 SF Compact No. 13 210                    | 340; 380                 | Life, R. Own        | Yes!!          | <b>4-16x</b>      | 33-8                            | 44              | 13-3.0          | Y      | 67                   | 0.1 mil         | 5? mil      | MIL =          | = MIL        | SFP 10x   | D                 | ?                                    | 30              | 21.9 621g       | 11.7" 30c          | <b>Capped Turrets!</b><br>BUT Clickable<br>T Turn Counter                     |  |
|  |                          |                     |                | <b>FFP Scopes</b> |                                 |                 |                 |        |                      |                 |             |                |              |   |                   |                                      |                 |                 |                    |   |  |
| <b>Monstrum:</b> FFP-G1 No. FFPS3940-R                           | ?; 190                   | 1y, R. Own          | ?              | <b>3-9x</b>       | ?                               | 40              | ?               | Y      | ??                   | ¼ moa           | 15 moa      | MOA            | None! (BDC)  | FFP   | None! (BDC)       |                                      | 30              | 22.0 624g       | 10.8" 27c          | Locking, Low Profile Turrets  |  |
| <b>Monstrum:</b> FFP-G1 No. FFPS41444-M                          | ?; 200                   | 1y, R. Own          | ?              | <b>4-14x</b>      | ?                               | 44              | ?               | Y      | ??                   | 0.1 mil         | 6 mil       | MIL =          | = MIL        | FFP   | D, N              |                                      | 30              | 26.0 737g       | 13.0" 33c          | T Turn Counter  |  |
| <b>Discovery:</b> HS: 4-14x44 FFP No. 170402                     | 200; 280                 | 3y                  | Yes            | <b>4-14x</b>      | 26-8                            | 44              | 11-3.1          | N O    | 55                   | ¼ moa           | 15 moa      | MOA =          | = MOA        | FFP Thick O/S Posts                                     | D, N              | ?                                    | 30              | 25.0 750g       | 13.0" 33c          | X ".50 cal. rated"<br>Locking Turrets   |  |
| <b>Discovery:</b> HS: 4-14x44 FFP No. 170404                     | 210; 290                 | 3y                  | Yes            | <b>4-14x</b>      | 26-8                            | 44              | 11-3.1          | N O    | 68                   | 0.1 mil         | 6? mil      | MIL =          | = MIL        | FFP Thick O/S Posts                                     | D, N              | ?                                    | 30              | 20.1 570g       | 13" 33c            | X ".50 cal. rated"<br>Locking Turrets   |  |
| <b>Discovery:</b> HI: 4-14x44 SF FFP No. 170209                  | 330; ?                   | 3y                  | Yes            | <b>4-14x</b>      | 26-8                            | 44              | ?               | N O    | 53                   | 0.1 mil         | 6 mil       | MIL =          | = MIL        | FFP Med. Thick Posts                                    | D                 | ?                                    | 30              | 26.5 750g       | 13.0" 33c          | Angle Indicator,<br>MIL Range Finder  |  |
| <b>Athlon:</b> Talos BTR No. 215028                              | 290; ?                   | Life, NoRec         | Yes!!          | <b>4-14x</b>      | 27-8                            | 44              | 11-3.3          | Y      | 67                   | 0.1 mil         | 5 mil       | MIL =          | = MIL        | FFP <sup>1</sup> Thick O/S Posts                        | D, N              | .025 <sup>mi</sup> .08 <sup>mo</sup> | 30              | 23.6 669g       | 12.9" 33c          |   |  |
| <b>Swampfox:</b> Kentucky Long                                   | 418; 500                 | Life (50000 rounds) | ?              | <b>2-12x</b>      | 54-9                            | 44              | 9-2.6           | Y      | 120                  | 0.1mi ¼mo       | 6 mi 15mo   | MIL = or MOA = | = MIL or MOA | FFP <sup>4</sup> Med. O/S Posts                         | D, N, Grid        | ?                                    | 30              | 24.0 680g       | 12.4 32c           | Locking Turrets   |  |
| <b>Discovery:</b> ED: 4-16x50 SF No. 171103                      | 360; ?                   | Life (for ED)       | Yes            | <b>4-16x</b>      | 31-8                            | 50              | 10-3.1          | N O    | 80                   | 0.1 mil         | 6 mil       | MIL =          | = MIL        | FFP Thick O/S Posts                                     | D, N              | ?                                    | 30              | 22.1 625g       | 12.2" 31c          | Eye Relief: 10.0-8.5cm  |  |
| <b>Vector:</b> Veyron FFP No. SCFF-22                            | ?; 259                   | 5y                  | Yes            | <b>4-16x</b>      | 26-6                            | 44              | 11-2.7          | N O    | 60                   | 0.1 mil         | 6 mil       | MIL =          | = MIL        | FFP <sup>3</sup> No Thick Posts                         | D                 | ?                                    | 30              | 20.0 570g       | 10.6" 27c          | Locking Turrets<br>Eye Relief: 9.0-8.5cm                                      |  |
| <b>Discovery:</b> VT-3: 4-16x44 SF FFP (≠ 50mm!) No. 170611      | 192; 280                 | 3y                  | Yes            | <b>4-16x</b>      | 26-7                            | 44              | 10-2.8          | N O    | 68                   | 0.1 mil         | 6 mil       | MIL =          | = MIL        | FFP Thick O/S Posts                                     | D                 | ?                                    | 30              | 19.4 550g       | 10.6" 27c          | Good for Turret Bonnets (6 holes)<br>Locking Turrets<br>Eye Relief: 9.0-8.5cm |  |
| <b>Vector:</b> Veyron FFP No. SCFF-21                            | 229; ?                   | 5y                  | Yes            | <b>3-12x</b>      | 35-9                            | 44              | 14-3.6          | N O    | 58                   | 0.1 mil         | 6 mil       | MIL =          | = MIL        | FFP <sup>2</sup> No Thick Posts                         | D                 | ?                                    | 30              | 17.6 499g       | 9.7" 25c           | Locking Turrets<br>Eye Relief: 9.0-8.5cm                                      |  |

|   |                                |                |                         | Magni. → FoV       |   | → Eye Box           |                       | Exposed Turrets |                                 |                 |                   | Holdoff Reticle |                |  |                         | Dimensions                             |                       |                       |                          |   |
|---|--------------------------------|----------------|-------------------------|--------------------|---|---------------------|-----------------------|-----------------|---------------------------------|-----------------|-------------------|-----------------|----------------|--|-------------------------|--|-----------------------|-----------------------|--------------------------|---|
| *in 2019, some 2020   | Price* \$:<br>Low;<br>Mfctr.'s | War-<br>ranty  | Spring-<br>ger-<br>Ratd | Magni-<br>fication | FoV<br>=Field of<br>View @<br>100y (ft) | Obj.<br>Dia<br>(mm) | Exit<br>Pupil<br>(mm) | IR<br>Y/<br>N   | Max.<br>Elev.<br>Adjnt<br>(MOA) | 1<br>Click<br>= | 1 T.<br>Turn<br>= | Turrets<br>in:  | Reticle<br>in: | FFP-<br>Thick O/S Posts?<br>- SFP<br>Calibration at? | Enough<br>Dots,<br>No's | Line<br>Thick-<br>ness                 | 1" or<br>30mm<br>Tube | Weight<br>(oz)<br>(g) | Length<br>(inch)<br>(cm) | Misc. +<br>Reviewers'<br>"Comments"   |
| Discovery: HD:<br>3-12x44 SFIR FFP<br><small>No. ???</small>              | ?; 200                         | 3y             | Yes                     | 3-12x              | ?                                       | 44                  | ?                     | Y               | 80                              | 0.1<br>mil      | 6 mil             | MIL =           | =MIL           | FFP Thick<br>O/S Posts                               | D, N,<br>Grid           | ?                                      | 30                    | 20.3<br>575g          | 9.6"<br>24c              | Locking Turrets   |
| Discovery: VT-3:<br>3-12x44 SF FFP<br><small>No. 170610</small>           | 189;<br>229                    | 3y             | Yes                     | 3-12x              | 35-9                                    | 44                  | ?                     | N<br>O          | 68                              | 0.1<br>mil      | 6 mil             | MIL =           | =MIL           | FFP Thick<br>O/S Posts                               | D                       | ?                                      | 30                    | 18.4<br>521g          | 10.0"<br>25c             | Good for Turret<br>Bonnets (6 holes)<br>Locking Turrets<br><small>Eye Relief: 9.0-8.5cm</small> |
| US Optics: TS-12X FFP<br>•w/ MHR MIL Hunting<br>Reticle FFP [not Triplex] | 450;<br>595                    | Life,<br>Anyb. | ?                       | 3-12x              | 30-8                                    | 44                  | ?                     | N<br>O          | 100<br>?                        | 0.1<br>mil      | 6 mil             | MIL =           | =MIL           | FFP Med.<br>Thick Posts                              | D, N                    | ?                                      | 30                    | 18.1<br>513g          | 9.6"<br>24c              | Locking Turrets<br><small>Eye Relief: 9.1-7.6cm</small>   |
|   |                                |                |                         |                    |   |                     |                       |                 |                                 |                 |                   |                 |                |  |                         |  |                       |                       |                          |   |
| Falcon: S18i FFP<br>→ For comparison only <sup>2019</sup>                 | 343;<br>380                    | 10y,<br>00wn   | Yes!!                   | 3-18x              | 39-7                                    | 50                  | 16-<br>2.8<br>calc.   | Y               | 90                              | 0.1<br>mil      | 10<br>mil         | MIL =           | =MIL           | FFP Thick<br>O/S Posts                               | D, N                    | .14 <sup>mo</sup><br>.04 <sup>mi</sup> | 30                    | 31.1<br>882g          | 14.6"<br>37c             | T Turn Counter  |
| Brand: Series   | Price \$<br>Low;<br>Mfctr.'s   | War-<br>ranty  | Spring-<br>ger-<br>Ratd | Magni-<br>fication | FoV<br>=Field of<br>View @<br>100y (ft) | Obj.<br>Dia<br>(mm) | Exit<br>Pupil<br>(mm) | IR<br>Y/<br>N   | Max.<br>Elev.<br>Adjnt<br>(MOA) | 1<br>Click<br>= | 1 T.<br>Turn<br>= | Turrets<br>in:  | Reticle<br>in: | FFP-<br>Thick O/S Posts?<br>- SFP<br>(Calibration)   | Enough<br>Dots,<br>No's | Line<br>Thick-<br>ness                 | 1" or<br>30mm<br>Tube | Weight<br>(oz)<br>(g) | Length<br>(inch)<br>(cm) | Misc. +<br>Reviewers'<br>"Comments"   |
|   |                                |                |                         | Magni. → FoV       |   | → Eye Box           |                       | Exposed Turrets |                                 |                 |                   | Holdoff Reticle |                |  |                         |  |                       |                       |                          |   |

## Footnotes: Links for Views/ Videos of FFP Reticles at Different Magnifications

Note on more detailed reticle diagrams:

- Athlon: Each scope on their homepage includes detailed diagrams: <https://athlonoptics.com>
- Discovery: many scopes reticles are listed here: <https://discoveryoptics.co.uk/reticles/>

<sup>1</sup> Athlon: Talos BTR: 4-14x44 FFP: APLR2 MIL Grid: Reticle at min. and max. magnification:

<https://athlonoptics.com/product/rifle-scopes-talos-btr-4-14x44-aplr-ffp-ir-mil>

<sup>2</sup> Vector: Veyron: 3-12x44 FFP: Reticle at all magnifications: @ 2:46min:

<https://www.youtube.com/watch?v=9En0mgrsINM>

<sup>3</sup> Vector: Veyron: 4-16x44 FFP: Reticle at all magnifications, it seems that way: @ 17:18min to 18:05min:

<https://www.youtube.com/watch?v=gXEKU27mXtQ>

<sup>4</sup> Swampfox: Kentucky Long: 2-12x44 FFP: MOA: Reticle at 2x and at 12x(?):

<https://images-na.ssl-images-amazon.com/images/I/71%2B5YMUAXfL.AC.SL1500.jpg>

<https://images-na.ssl-images-amazon.com/images/I/71aX%2BZ5aDFL.AC.SL1500.jpg>