

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 *short*)
with 10y-Side Parallax

Exposed Turrets

Holdoff Reticle

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

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Requirements for this Table

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 33cm (13") or shorter*

Minimum Parallax = 10 yards or less

Turrets = Exposed

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

Abbreviations in the Table

Green is a good thing... – e.g.: a very good warranty, a wider than average FoV, a higher than average top magnification, a shorter size or lighter weight than average, an additional feature (bubble level, 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 narrower than average FoV, a lower than average top magnification, a longer size or heavier weight than average, or a negative feature (min. parallax more than 10y, capped turrets, 34mm tube [limiting scope mount choices], 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 smaller than usual objective diameter for less light (supposedly), an uneven number of mils or moas per turret turn [not multiples of 5mil or 10moa], a price so low as to shed doubt on the quality of the scope, etc.

Price \$ Low = Lowest price in US dollars I found in 2019 (some 2020)

Price Mfctr.'s = manufacturer's price

IR = illuminated reticle

BDC = bullet drop compensating reticle, thus not suitable for using holdovers with an airgun, as the spacing between the hash lines is uneven

Capped Turrets! BUT Clickable = means that though the turrets are capped, when uncapped they are finger adjustable, the numbers are visible from behind the rifle, and the zero can be reset

Warranty Info: **Life** = life time warranty | **10y** = 10 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

| | | | | Magn. → FoV | Obj. → Eye Box | Exposed Turrets | | | Holdoff Reticle | | | Dimensions | | | | | | | | |
|---|--|---------------------|-----------------|----------------|-------------------------------|-----------------|---------------------------|----|-------------------------------|-----------|-------------|-------------|-----------------|--------------------------|-------------------|-------------------------------------|------------|-----------------|--------------------|---|
| *in 2019, some 2020 | Price* \$: Low /// Mfctr.'s | War-ranty | Sprin-ger-Rated | Magni-fication | FoV=Field of View @ 100y (ft) | Obj. ∅ Dia (mm) | Exit Pupil (mm) → Eyebbox | IR | Max. Elev. Adjustmnt (in MOA) | 1 Click = | 1 T. Turn = | Turrets in: | Reticle in: | FFP-SFP (Calibration) | Enough Dots, No's | Line Thick-ness | 1" or 30mm | Weight (oz) (g) | Length (inch) (cm) | Misc. + Reviewers' "Comments" |
| Riton: MOD5 GEN2 Wide FoV <small>No. 019962523861</small> | 420 520 | Life, Anyb., NoRec | ? | 4-16x | 29-8 | 50 | 12.5-3.1 | ✓ | 80 | ¼ moa | 15 moa | MOA= | =MOA | SFP 16x | D | | 30 | 23.0 652g | 12.0" 30c | Capped Turrets! BUT Clickable |
| Hawke: Airmax 30 Touch <small>No. 13 260</small> | ? 450 | Life, OOwn | ✓✓ | 3-12x | 64-18 super wide | 32 | 10.7-2.7 | ✓ | 250 | 0.1 mil | 6 mil | MIL= | =MIL | SFP 10x | D | | 30 | 20.2 572g | 10.5" 27c | Capped Turrets! BUT Clickable, Large T Turn Counter Eye Relief 1.2"/3cm |
| Hawke: Airmax 30 SF Compact <small>No. 13 200</small> | 329 360 | Life, OOwn | ✓✓ | 3-12x | 44-11 | 40 | | ✓ | 100 | 0.1 mil | 5? mil | MIL= | =MIL | SFP 10x | D | | 30 | 20.8 589g | 10.9" 28c | Capped Turrets! BUT Clickable T Turn Counter |
| Hawke: Airmax 30 SF Compact <small>No. 13210</small> | 340 380 | Life, O.Own | ✓✓ | 4-16x | 33-8 | 44 | 13-3.0 | ✓ | 67 | 0.1 mil | 5? mil | MIL= | =MIL | SFP 10x | D | | 30 | 21.9 621g | 11.7" 30c | Capped Turrets! BUT Clickable T Turn Counter |
| Monstrum: FFP-G1 <small>No. FFPS41444-M</small> | 200 | 1y, R. O.Own | ? | 4-14x | ? | 44 | ? | ✓ | ??? | 0.1mil | 6 mil | MIL= | =MIL | FFP | D, N | | 30 | 26.0 737g | 13.0" 33c | T Turn Counter |
| Discovery: HS: 4-14x44 FFP <small>No. 170402</small> | 200 280 | 3y | ✓?x | 4-14x | 26-8 | 44 | 11-3.1 | NO | 55 | ¼" | 15 moa | MOA= | =MOA | FFP | D, N | | 30 | 25.0 750g | 13.0" 33c | x".50 caliber rated" |
| Discovery: HS: 4-14x44 FFP <small>No. ??????????</small> | 210 290 | 3y | ✓?x | 4-14x | ? | 44 | 10.9-3.1 | NO | 53 | 0.1 mil | 6? mil | MIL= | =MIL | FFP | D | | 30 | 20.0? 568g | 13.0" 33c | ???x".50 caliber rated" |
| Discovery: HI: 4-14x44 SF FFP <small>No. 170209</small> | 330 | 3y | ? | 4-14x | 26-8 | 44 | ? | NO | 53 | 0.1 mil | 6 mil | MIL= | =MIL | FFP | D | | 30 | 26.5 750g | 13.0" 33c | Angle Indicator, MIL Range Finder |
| Discovery: ED: 4-16x50 SF <small>No. 171103</small> | 360 | Life (for ED) | ✓? | 4-16x | 31-8 | 50 | 10.0-3.1 | NO | 80 | 0.1 mil | 6 mil | MIL= | =MIL | FFP | D, N | | 30 | 22.1 625g | 12.2" 31c | Eye Relief: 10.0-8.5cm |
| Vector: Veyron FFP <small>No. SCFF-22</small> | 259 | 5y | ✓ | 4-16x | 26-6 | 44 | 11.0-2.7 | NO | 60 | 0.1 mil | 6 mil | MIL= | =MIL | FFP | D | | 30 | 20.0 570g | 10.6" 27c | Eye Relief: 9.0-8.5cm |
| Discovery: VT-3: 4-16x44 SF (≠50mm!) <small>No. ??????????????????</small> | 192 280 | 3y | ? | 4-16x | 26-7 | 44 | 10.0-2.8 | NO | 60 | 0.1 mil | 6 mil | MIL= | =MIL | FFP | D | | 30 | 19.4 550g | 10.6" 27c | Good for Turret Bonnets (6holes) Eye Relief: 9.0-8.5 |
| Vector: Veyron FFP <small>No. SCFF-21</small> | 229 | 5y | ✓ | 3-12x | 35-9 | 44 | 14.6-3.6 | NO | 58 | 0.1 mil | 6 mil | MIL= | =MIL | FFP | D | | 30 | 17.6 499g | 9.7" 25c | Eye Relief: 9.0-8.5cm |
| Discovery: VT-3: 3-12x44 SF <small>No. 170610</small> | 189 229 | 3y | ✓? | 3-12x | 35-9 | 44 | ? | NO | 60 | 0.1 mil | 6 mil | MIL= | =MIL | FFP | D | | 30 | 18.4 521g | 10.0" 25c | Good for Turret Bonnets (6holes) Eye Relief: 9.0-8.5cm |
| Athlon: Talos BTR | 290 | Life, Any NoRec | ✓✓ | 4-14x | 27-8 | 44 | 11.2-3.3 | ✓ | 67 | 0.1 mil | 5 mil | MIL= | =MIL | FFP | D, N | | 30 | 23.6 669g | 12.9" 33c | |
| Swampfox: Kentucky Long | 418 500 | Life (50000 rounds) | | 2-12x | 54-9 | 44 | 8.9-2.6 | ✓ | 120 | 0.1mi ¼mo | 6 mi 15mo | MIL=or MOA= | =MILor MOA | FFP | D, N, Grid | | 30 | 24.0 680g | 12.4 32c | Locking Turrets |
| | | | | | | | | | | | | | | | | | | | | |
| For Comparison – My Ideal sub-\$500 Scope – WITHOUT Considering Size/Weight: | | | | | | | | | | | | | | | | | | | | |
| Falcon: S18i FFP xat SWFA 12%; xx Demo product | 343 ^x 300 ^{xx} 380 | 10y, OOwn | ✓ (?) | 3-18x | 42-7 | 50 | 16.7-2.8 calc. | ✓ | 90 | 0.1 mil | 10 mil | MIL= | =MIL | FFP | D, N | .14 ^{mo} .04 ^{mi} | 30 | 31.1 882g | 14.6" 37c | T Turn Counter |
| Brand: Series | Price \$ Low /// Mfctr.'s | War-ranty | Sprin-ger-Rated | Magni-fication | FoV=Field of View @ 100y (ft) | Obj. ∅ Dia (mm) | Exit Pupil (mm) → Eyebbox | IR | Max. Elev. Adjustmnt (in MOA) | 1 Click = | 1 T. Turn = | Turrets in: | Reticle in: | FFP? (First Focal Plane) | Enough Dots, No's | Line Thick-ness | 1" or 30mm | Weight (oz) (g) | Length (inch) (cm) | Misc. + Reviewers' "Comments" |
| | | | | Magn. → FoV | Obj. → Eye Box | | | | Exposed Turrets | | | | Holdoff Reticle | | | | | | | |