

Scope Specs Table

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

Bottom Magni. = 3x or lower (or higher if at least a 30ft FoV)

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

with 10y Parallax

Exposed Turrets

Holdoff Reticle

Almost all under \$500 (most are between \$200-300)

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Requirements for this Table (few exceptions are included)

Bottom magnification – Field of view (FoV) = 3x or lower | If a scope has a higher bottom magnification it is listed *only if the scope has at least a FoV of 30ft at 100y (10m at 100m), or if the scope is 13" (33cm) or shorter.*

Also listed are *longer scopes* if they have a 2x bottom magnification and at least a 12x top magnification.

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 (a few exceptions with 15y)

Turrets = exposed; however, some scopes with capped turrets that check the other boxes are included

Side parallax adjustment (almost all)

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 = usually between \$200 and \$500 (most are between \$200 and \$300); some are a bit more expensive as they have all around very good specs

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.

Purple is something noteworthy that could be either good or bad, depending on the shooting scenario... – e.g.: an objective lens that is exceptionally small or large for its magnification (e.g., a small lens allows less light to enter, and reduces the need to focus to correct parallax errors), or an exceptionally short or long eye relief (affecting the scope mounting location and eye/head placement), 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. Some have no thick posts, and some have *semi thick* posts.

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

Series and Part 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 | **30d** = must register the scope within 30 days of purchase

FoV = Field of View (in ft at 100y):

● **FoV @ bottom magnification:**

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 shooting*, i.e., shooting on stationary targets (or quarry that isn't skittish and gives the shooter time to set up the shot).

The color coding in the table is based on my very personal, unabashedly subjective estimation: *For my kind of hurried close range shooting* I'd like to have a FoV of at least

give them a new series name. In addition they have the habit of adding a couple of innocuous letters or numbers to the name of the scope – which mean massive changes in the features or the performance. These letters or numbers are easy to miss for both the buyers and commercial and private sellers. To assure you are getting the scope with the features you are thinking you are getting, check that the manufacturer's model number is the correct one. The Scope Specs Table notes the numbers for most scope models for that very reason.

Prices

In US dollars

Price Low = lowest *street prices* in US dollars I found in 2019 – and updated according to the list below. An additional price is separated by a *comma* ,

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

Prices and/or models updated as follows: 2021-06: all Hawke | 2023-07: Discoveryopt, aka Discovery | Primary Arms

A Little Caution When 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; those rings 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.

Considerations On Using a Scope Cam

- Depending on the scope cam a *short or very short eye relief* probably will not work!
- A *gridded reticle* will clutter the view.
- An *illumination dial on the ocular lens* (instead of the parallax turret) will obstruct most scope cams that are mounted with a sleeve over the ocular lens.
- *Very short scopes* might make mounting of certain scope cams a bit more complicated.
- A *larger objective lens* allows more light into the system, which is needed as the prism of the scope cam mount diverts a percentage of the light to the camera, and lets another percentage through to the shooter's eye. Even more light is needed when filming with a high frame-per-second rate ("fps") to permit slow-motion playback later.
- Of course, higher quality glass will also permit more light into the system, without the need for a larger objective lens. A large objective lens will decrease the DoF (depth of field) – what I call the *sharpness and parallax range (SPR)* – the range at which a target is in focus and parallax is dialed out. A longer SPR (or DoF) will require less precise parallax adjustments (esp. for quick shots when hunting!) – and for that reason will be less precise for parallax ranging.

				Magni. → FoV	→ Eye Box	Exposed Turrets				Holdoff Reticle				Dimensions			Misc. + Reviewers' "Comments"			
in 2019, some 2020, 2021, 2022, 2023	Price: Low; Mfctr.'s in US \$	Warranty	Springer-Rated	Magnification	FoV of View @ 100y (ft)	Obj. Dia (mm)	Exit Pupil (mm)	IR Y/N	Max. Elev. Adjmt (MOA)	1 Click =	1 T. Turn =	Turrets in:	Reticle in:	Thick 0/3 Posts? SFP Calibration at?	Enough Dots, No's, Grid Center Dot	Line Thickness	1" or 30mm Tube	Weight (oz) (g)	Length (inch) (cm)	
SFP Scores																				
Monstrum: V2 Tactical AO <small>No. S31242-M-RGA0-V2-1</small>	?; 100	1y, R. 0.Own	?	3-12x	?	42	?	Y	??	¼ inch	15(?) inch	SMOA ≠ MIL	SFP ?x	D	?	?	30	22.4 635g	11.5" 29c	Capped Turrets! BUT Clickable
Nikko Stirling: C-More X10 <small>Discont. No. NSCM22044</small>	410; ?	Life, 0.Own	?	2-20x	47-5	44	22-2.2 calculated	Y	60	¼ moa	?	MOA ≠ MIL	SFP ?x	D	?	?	30	25.7 730g	13.3" 34c	
MTC: Viper Connect •SCB2 Ret.	400; —	Life ^{30d} R.O.Own	No	3-12x	61-17 super wide	24	8-2.0 calculated	Y	120	¼ inch	12 inch	SMOA = MOA	SFP ?x	D	?	?	30	21.2 600g	11.3" 29c	▲ Super Short Eye Relief 1.2" (3cm)
MTC: Viper Connect •SCB2 Ret. Requires special \$58 mount	400; —	Life ^{30d} R.O.Own	No	3-12x	61-17 super wide	32	11-2.7 calculated	Y	120	¼ inch	12 inch	SMOA = MOA	SFP ?x	D	?	?	30	22.9 650g	11.3" 29c	▲ Super Short Eye Relief 1.2" (3cm)
UTG: Accushot T8 Tactical <small>No. SCP3-21BUMOA</small>	178; 230	Life	Yes!!	2-16x	44-6	44	22-2.7	Y	??	¼ inch	18 inch	SMOA = MOA	SFP 10x	D, N	?	?	30	22.6 641g	12.4" 32c	
UTG: Accushot OP3: •MOA Ret. <small>No. OP3-GM3124UMOA</small>	198; 240	Life	Yes!!	3-12x	32-10	44	13-3.9	Y	??	¼ moa	24 moa	MOA = MOA	SFP 10x	D, N	?	?	30	21.0 595g	10.1" 26c	Locking Turrets
UTG: Accushot OP3: •MOA Ret. <small>No. OP3-GM4164UMOA</small>	210; 255	Life	Yes!!	4-16x	26-8	44	11-3.0	Y	??	¼ moa	24 moa	MOA = MOA	SFP 10x	D, N	?	?	30	21.5 610g	10.7" 27c	Locking Turrets
UTG: Accushot Precision <small>No. SCP3-UG312A0IEW</small>	142; 180	Life	Yes!!	3-12x	34-9	44	13-3.9	Y	??	¼ moa	???	MOA ≠ MIL	SFP 10x	D	?	?	30	22.7 643g	14.0" 36c	Locking Turrets
UTG: Bugbuster <small>No. SCP-M312A0WQ = w/ Picatinny r. No. SCP-M312A0D = w/ Dovetail r.</small>	125; 130	Life	Yes!!	3-12x	31-10	32	10-2.7	NO	??	⅓" inch	24 inch	SMOA ≠ MIL	SFP 10x	D	?	?	1"	12.7 360g	8.1" 21c	Min. Parallax: 3y Wire reticle
UTG: Bugbuster <small>No. SCP-M392A0D = w/ Dovetail rings</small>	110; 125	Life	Yes!!	3-9x	37-12	32	10-3.6	NO	??	⅓" inch	24 inch	SMOA ≠ MIL	SFP 9x	D	?	?	1"	12.0 340g	7.9" 20c	Min. Parallax: 3y Wire reticle
UTG: Bugbuster <small>No. SCP-M392A0IEW = red-green-blue IR + Picatinny rings Right side turret is IR! No. SCP-M392A0LWQ = 36-color IR + Picatinny rings</small>	79; 108	Life	Yes!!	3-9x	38-14	32	10-3.6	Y	??	¼" inch	18 inch	SMOA ≠ MIL	SFP 9x	D	?	?	1"	14.0 397g	8.2" 21c	Min. Parallax: 3y ▲ Front Parallax! Wire reticle
Optisan: HX 4-12x40AO •MH12 Ret. •EMD12 Ret. <small>Code 37559 Code 37522</small>	?; ?; 270; 200	Life	Yes (?)	4-12x	34-11	40	10-3.3	NO	40	¼ moa	12 moa	MOA ≠ MIL	SFP 12x	D, mini Grid.			1"	17.6 500g	13" 33c	Capped Turrets! BUT Clickable Front Parallax AO
Optisan: CP 3-12x32P SFP. Minimized Parallax.	329; 359	Life	Yes!!	3-12x	36-9	32	10-2.6	NO	66	0.1 mil	10 mil	MIL = MIL	SFP 10x	D, mini Grid.	.05 ^{mi} .17 ^{mo}		30	17.2 487g	9.5" 24c	Capped Turrets! BUT Clickable
Optisan: EVX 3-12x44i •MIL-MH10X Ret.	380; 430	Life	?	3-12x	37-9	44	14-4.0	Y	50	0.1 mil	4.8 mil!!	MIL = MIL	SFP 10x	D, (N)	.05 ^{mi} .17 ^{mo}		30	27.7 700g	13.3" 34c	
Athlon: Talos Mildot <small>No. 215004</small>	150; 180	Life, NoRec	?	3-12x	34-9	40	13-3.4	NO	67	0.1 mil	6 mil	MIL = MIL	SFP ?x	D	.05 ^{mi} .17 ^{mo}		1"	16.2 459g	12.0" 30c	Capped Turrets! BUT Clickable T Turn Counter
Sightron: S-TAC [SFP!] •Ret. MOA-3	450; 520	Life	Yes!!	3-16x	32-6	42	?	NO	70	¼ moa	15 moa	MOA = MOA	SFP 16x	D	.02 ^{mi} .08 ^{mo}		30	23.5 666g	12.9" 33c	Dialing Turrets (capped w/ ^{N1}) T Turn Counter
Bushnell: Nitro [not FFP!] •Deploy MOA SFP Ret. <small>No. RN2104GS1 (black) No. RN2104GS1 Gun Metal Gray</small>	350; 450?	Life, NoRec	?	25-10x	37-9	44	?	NO	50 or 60?	¼ moa	15 moa	MOA = MOA	SFP 10x	D	.06 ^{mi} .2 ^{mo}		30	23.9 678g	13.6" 35c	Capped Turrets! BUT Clickable
Bushnell: Engage <small>No. REN21044DG</small>	250; 343	Life, NoRec	?	25-10x	45-11	44	17-4.4	NO	50	¼ moa	15 moa	MOA = MOA	SFP ?x	D			30	19.3 547g	13.5" 35c	
Bushnell: Nitro [not FFP!] •Deploy MOA SFP Ret. <small>No. RN3124GS1 (black) No. RN3124GS1 Gun Metal Gray</small>	400; 400	Life, NoRec	?	3-12x	30-8	44	?	NO	60	¼ moa	15 moa	MOA = MOA	SFP 12x	D	.06 ^{mi} .2 ^{mo}		30	24.2 687g	13.7" 35c	Capped Turrets! BUT Clickable

				Magni. → FoV	→ Eye Box	Exposed Turrets			Holdoff Reticle				Dimensions							
in 2019, some 2020, 2021, 2022, 2023	Price: Low; Mfctr.'s in US \$	Warranty	Spring-Loaded	Magnification	FoV of View @ 100y (ft)	Obj. Dia (mm)	Exit Pupil (mm)	IR Y/N	Max. Elev. Adjnt. (MOA)	1 Click =	1 Turn =	Turrets in:	Reticle in:	Thick O/S Posts? SFP Calibration at?	Enough Dots, No's, Grid Center? Dot	Line Thickness	1" or 30mm Tube	Weight (oz) (g)	Length (inch) (cm)	Misc. + Reviewers' "Comments"
Hawke: Airmax 30 SF •AMX IR Ret. No. 13300 Discontinued	374; 429	Life, R. 0Own	Yes!!	3-12x	31-8	50	17-4.0	Y, N	95	¼ moa	15 moa	MOA ≠	≠MIL	SFP 10x	D	?	30	27.5 780g	13.6" 35c	
Bushnell: Engage No. REN31242DG	243; 328	Life, NoRec	?	3-12x	30-6	42	?	NO	50	¼ moa	15 moa	MOA =	=MOA	SFP ?x	D		30	19.5 553g	14.0" 36c	
Vector: Paragon Gen. 2 No. SCOM-25 SCOM-11 → NO! Gen. 1 No.	?; 360	5y, Rec.	?	3-15x	37-8	50	8-3.3	Y	85	0.1 mil	8 mil	MIL =	=MIL	SFP 10x	D, N	?	30	22.0 625g	13.2" 34c	
Hawke: Airmax 30 SF Compact No. 13220	395; 459	Life, R. 0Own	Yes!	6-24x	22-5	50	8-2.1	Y	53	0.1 mil	6 mil	MIL =	=MIL	SFP 10x	D	?	30	23.6 670g	13.0" 33c	Capped Turrets BUT Large for Clicking! Turn Counter
Hawke: Airmax 30 SF Compact No. 13210	390; 429	Life, R. 0Own	Yes!!	4-16x	33-8	44	13-3.0	Y	67	0.1 mil	6 mil	MIL =	=MIL	SFP 10x	D	?	30	21.9 621g	11.7" 30c	Capped Turrets BUT Large for Clicking! T Turn Counter
Riton: MOD5 Gen. 2 Wide FoV No. 019962523861	420; 520	Life, NoRec	?	4-16x	29-8	50	12-3.1	Y	80	¼ moa	15 moa	MOA =	=MOA	SFP 16x	D	.06 ^{mi} .20 ^{mo}	30	23.0 652g	12.0" 30c	Capped Turrets! BUT Clickable
Vector: Continental X8 ED SFP Tactical No. SCUL-139	?; 649	Life		2-16x	61-7.7	44	6 ⁻⁵ -2.8	Y	110	0.1 mil	8 mil	MIL =	=MIL	SFP 10x	D, N, Grid	?	30	23.8 675g	13.6" 35c	Parallax 14 or 10y (yes); 0-Stop Turn Counter; Locking Turrets
Element: Helix •Ret. APR-1C MRAD No. 50053 •Ret. APR-1C MOA No. 50054	589; ?	Life, NoRec.		2-16x	60-7 ⁻⁵	50	8 ⁻⁵ -3.1	Y	100 ^{wind} 45moa	0.1mi ¼mo	6mi 15mo	MIL = MOA =	=MIL =MOA	SFP 16x	D, N, CD	.03 ^{mi} ?	30	25.6 726g	13.4" 34c	Turn Counter
MTC: Copperhead F2 [SFP]	480; ?	Life ^{30d} R0Own	?	4-16x	24-6	44	?	Y	40	0.1 mil	6 mil	MIL =	=MIL	SFP 10x	D, N, Wind. 1mil!!	?	30	24.3 590g	10.8" 27c	Locking Turrets
MTC: Copperhead F2 [SFP]	427; ?	Life ^{30d} R0Own	?	3-12x	32-8	44	?	Y	40	0.1 mil	6 mil	MIL =	=MIL	SFP 10x	D, N, Wind. 1mil!!	?	30	20.0 568g	9.8" 25c	Locking Turrets Eye Relief: 9cm
Vector: Veyron SFP No. SCOM-24	169; ?	5y	Yes!!	3-12x	35-9	44	14-3.6	NO	58	0.1 mil	6 mil	MIL =	=MIL	SFP 12x	D	.025 ^{mi} .08 ^{mo}	30	17.6 500g	9.7" 25c	Eye Relief: 9.0-8.5cm
Hawke: Airmax 30 Touch No. 13260	370; 450	Life, R. 0Own	Yes!!	3-12x	64-18 super wide!	32	10-2.7	Y	250!	0.1 mil	6 mil	MIL =	=MIL	SFP 10x with a click at 10x	D	?	30	20.2 572g	10.5" 27c	Capped Turrets BUT Large for Clicking! T Turn Counter ▲SuperShortEye Relief 1.2" (3cm)
Hawke: Airmax 30 SF Compact No. 13200	380; 419	Life, R. 0Own	Yes!!	3-12x	44-11	40		Y	100	0.1 mil	6 mil	MIL =	=MIL	SFP 10x	D	?	30	20.8 589g	10.9" 28c	Capped Turrets BUT Large for Clicking! T Turn Counter
FFP Scores – without Thick Outside Posts in the Reticle																				
Vector: Veyron 6-24x44 No. SCFF-23	198; 289	5y	Yes	6-24x	17-4	44	7-1.8	NO	50	0.1 mil	6 mil	MIL =	=MIL	FFP ³ No Thick Posts	D	.025 ^{mi} .08 ^{mo}	30	20.5 580g	11.7" 30c	Locking Turrets
Vector: Veyron FFP No. SCFF-22	198; 259	5y	Yes	4-16x	26-6	44	11-2.7	NO	60	0.1 mil	6 mil	MIL =	=MIL	FFP ³ No Thick Posts	D	.025 ^{mi} .08 ^{mo}	30	20.0 570g	10.6" 27c	Locking Turrets Eye Relief: 9.0-8.5cm
Vector: Veyron FFP No. SCFF-21	174; ?	5y	Yes	3-12x	35-9	44	14-3.6	NO	58	0.1 mil	6 mil	MIL =	=MIL	FFP ² No Thick Posts	D	.025 ^{mi} .08 ^{mo}	30	17.6 499g	9.7" 25c	Locking Turrets Eye Relief: 9.0-8.5cm
FFP Scores – with Thick Outside Posts in the Reticle																				
Monstrum: FFP-G1 No. FFPS41444-M	?; 200	1y, R. 0Own	?	4-14x	?	44	?	Y	??	0.1 mil	6 mil	MIL =	=MIL	FFP ⁵ Thick O/S Posts	D, N		30	26.0 737g	13.0" 33c	T Turn Counter

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in 2019, some 2020, 2021, 2022, 2023	Price: Low; Mfctr.'s in US \$	Warranty	Springer-Rated	Magnification	FoV = Field of View @ 100y (ft)	Obj. Dia (mm)	Exit Pupil (mm)	IR N	Max. Elev. (MOA)	1 Click =	1 T. Turn =	Turrets in:	Reticle in:	Thick O/S Posts? FFP Calibration at?	Enough Dots, No's, Grid Center? Dot	Line Thickness	1" or 30mm Tube	Weight (oz) (g)	Length (inch) (cm)	Misc. + Reviewers' "Comments"
Bushnell: Nitro [not SFP!] •Deploy MIL FFP Ret. No. RN2104BF2 •Deploy MOA FFP Ret. No. RN2104BF1 (black) No. RN2104GF1 Gun Metal Gray	500; ?	Life, NoRec	?	25-10x	37-9	44	?	NO	50 or 60?	0.1mi	5?mi	MIL =	=MIL	FFP Thick O/S Posts	D, N, Grid	0.05 ^{mi} .17 ^{mo}	30	23.9 678g	13.6" 35c	Capped Turrets! BUT Clickable
Bushnell: Nitro [not SFP!] •Deploy MIL FFP Ret. No. RN3124BF2 •Deploy MOA FFP Ret. No. RN3124BF1 (black) No. RN3124GF1 Gun Metal Gray	550; ?	Life, NoRec	?	3-12x	30-8	44	?	NO	60	0.1mi	5?mi	MIL =	=MIL	FFP Thick O/S Posts	D, N, Grid	0.05 ^{mi} .17 ^{mo}	30	24.2 687g	13.7" 35c	Capped Turrets! BUT Clickable
Athlon: Talos BTR No. 215028	290; 360	Life, NoRec	Yes!!	4-14x	27-8	44	11-3.3	Y	67	0.1 mil	5 mil	MIL =	=MIL	FFP ¹ Thick O/S Posts	D, N	0.025 ^{mi} .08 ^{mo}	30	23.6 669g	12.9" 33c	
Swampfox: Kentucky Long	418; 500	Life (50000 rounds)	?	2-12x	54-9	44	9-2.6	Y	120	0.1mi	6 mi 1/4mo	MIL = or 15mo	=MIL or =MOA	FFP ⁴ Semi O/S Posts	D, N, Grid	?	30	24.0 680g	12.4 32c	Locking Turrets
Discovery: ED: 4-16x50 SF No. 171103	360; 400	Life (for ED)	Yes	4-16x	31-8	50	10-3.1	NO	80	0.1 mil	6 mil	MIL =	=MIL	FFP Thick O/S Posts	D, N, Grid	?	30	22.1 625g	12.2" 31c	Locking Turrets Eye Relief: 9.0-8.5cm → → Problem for Scopecams?
Sightmark: Citadel •w/ MR2 No. SM13039MR2 •w/ LR2 No. SM13039LR2 •w/ LR1 No. SM13039LR1	340-400; -	Life, 30d, 0.Own		3-18x	33-6	50	7-2.7	Y	60	0.1mi	6 mi	MIL =	=MIL	FFP Thick O/S Posts	D, N, +Grid	.03 ^{mi} .03 ^{mi} .12 ^{mo}	30	26.1 740g	13.0" 33c	Parallax says 15y, but is c.13y. Locking turrets. Throw lever.
Swampfox (US): Warhawk •Sharpsh. Grid Ret. MIL No. TWK21044-3L •Sharpsh. Grid Ret. MOA No. TWK21044-3M	??; 559	Life (50000 rounds)		2-10x	62.6-12.5	44	13-4.0	Y	120	0.1mi	10 mi 1/4mo	MIL =	=MIL	FFP ³⁴ Semi Thick Posts	D, N, Grid	?	34	29.7 842g	12.7 32c	Locking Turrets
Athlon: Helos BTR Gen. 2 •AHMR2 MIL (not MOA which is BDC) No. 214105	450; 625	Life, NoRec		2-12x	56-10	42	?	Y	105 = Elev. 83 = Wind.	0.1 mil	10 mil	MIL =	=MIL	FFP ⁶ Thick O/S Posts	D, N, Grid, Circle	0.025 ^{mi} .08 ^{mo}	30	25.4 720g	11.8" 30c	Zero Stop Locking Turrets Eye Relief: 9.1cm
Discovery: HD: 3-12x44 SFIR FFP	180; 200	3y	Yes	3-12x	35-8	44	15-3.7	Y	80	0.1 mil	6 mil	MIL =	=MIL	FFP Thick O/S Posts	D, N, Grid ? -or ? -NoGrid CD	?	30	20.3 575g	9.6" 24c	Locking Turrets Eye Relief: 9.2-8.3cm
US Optics: TS-12X FFP •MHR MIL Hunting Ret. FFP [not Triplex!]	450; 595	Life, Anyb.	?	3-12x	30-8	44	?	NO	100 ?	0.1 mil	6 mil	MIL =	=MIL	FFP Semi Thick Posts	D, N	?	30	18.1 513g	9.6" 24c	Locking Turrets Eye Relief: 9.1-7.6cm → ▲ = Problem for Tacacam!
Falcon: S18i FFP → For comparison only 2019 Discontinued	343; 380	10y, 0Own	Yes!!	3-18x	39-7	50	16-2.8 calc.	Y	90	0.1 mil	10 mil	MIL =	=MIL	FFP Thick O/S Posts	D, N	0.04 ^{mi} .14 ^{mo}	30	31.1 882g	14.6" 37c	T Turn Counter
Brand: Series Part No. *in 2019, some 2020, 2021	Price*: Low; Mfctr.'s in US \$	Warranty	Springer-Rated	Magnification	FoV = Field of View @ 100y (ft)	Obj. Dia (mm)	Exit Pupil (mm)	IR N	Max. Elev. (MOA)	1 Click =	1 T. Turn =	Turrets in:	Reticle in:	Thick O/S Posts? FFP Calibration at?	Enough Dots, No's, Grid Center? Dot	Line Thickness	1" or 30mm Tube	Weight (oz) (g)	Length (inch) (cm)	Misc. + Reviewers' "Comments"
				Magni. → FoV → Eye Box																

Notes About Different Scopes – N1, N2, N3, etc.:

N1: Sightron ExacTrack turret adjustment system: Though the turrets of the indicated scope are capped, they are made for dialing, because they use the same ExacTrack turret adjustment system as the uncapped scopes of the following series (as of the 2012 and 2022 catalog): S-TAC | SVIII | S6 | SV | SIII | SII | SII Big Sky
→ Dialing Turrets (capped w/ N1)

Reticles: Footnotes: Links for Views or 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 scope reticles are listed here: <https://discoveryoptics.co.uk/reticles/>

¹ 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>

² Vector: Veyron: 3-12x44 FFP: Reticle at all magnifications: @ 2:46min: <https://www.youtube.com/watch?v=9En0mgrsINM>

³ Vector: Veyron: 4-16x44 FFP: Reticle at all magnifications: @ 3:20min and at @ 17:18min to 18:05min: <https://www.youtube.com/watch?v=gXEKU27mXtQ>

⁴ 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>

Cf. also the other models of this series that have the same six-fold magnification range, resulting in the same ratio of reticle increase/decrease (there are several videos available to see the reticles of those scopes).

⁵ Monstrum: FFP-G1: 4-14x44: (No. FFPS41444-M): Reticle at min. and max. magnification:

https://web.archive.org/web/20191122043510/https://cdn11.bigcommerce.com/s-r7nbep7374/images/stencil/1280x1280/products/252/2002/MONSTRUM-TACTICAL-4-14X44-FFP-FIRST-FOCAL-PLANE-RIFLE-SCOPE-FFPS-HUNTING-AR-15-LR-3083_95364.1551303891.jpg?c=2

⁶ Athlon: Helos BTR Gen. 2 2-12x42 FFP: Reticle at min. and max. magnification:

• MIL, No. 214105 <https://athlonoptics.com/product/helos-btr-gen2-2-12x42-dmr-scope/>

• MOA, No. 214104 <https://athlonoptics.com/product/helos-btr-2-12x42-ahmr2-ffp-ir-moa/>

⁷ Discovery: VT-Z 3-12x40 SF FFP Compact: Reticle at all magnifications: @ 9:05min:

<https://www.youtube.com/watch?v=9cTdjLE2Ck>