

Scope Specs Table

for e.g.: 4-14x | 3-18x | 4-20x

Bottom Magni. = 4x or lower

Top Magni. = 14x or higher

with 10y-Side Parallax

Exposed Turrets

Holdoff Reticle

Under \$500

November 16, 2020 | Matthias aka JungleShooter | JungleShooterX@gmail.com

Requirements for this Table (a few exceptions are included)

Bottom end magnification = 4x or lower

Top end magnification = 14x or higher

Minimum Parallax = 10 yards or less

Side Parallax Adjustment

Turrets = Exposed

Reticle = Holdoff reticle (evenly spaced hash lines or dots for aiming with holdoff/ holdover)

Price = between \$200 and \$500

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

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

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

				Magni. → FoV	→ Eye Box	Exposed Turrets			Holdoff Reticle			Dimensions								
in 2019	Price \$ Low; Mfctr.'s	War- ranty	Spring- ger- Red	Magni- fication	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 Thick O/S Posts? - SFP Calibration at ?	Enough Dots, No's	Line Thick- ness	1" or 30mm Tube	Weight (oz) (g)	Length (inch) (cm)	Misc. + Reviewers' "Comments"
Brand: Series	Part No.																			
				SFP Scopes												at max.				
UTG: Accushot T8 Tactical w/ MOA Reticle <small>No. SFP-3-2160MOA</small>	178; 250	Life	Yes!!	2-16x	44-6	44	22-2.7	Y	??	1/4 inch	18 inch	SMOA≈	=MOA	SFP 10x	D, N	?	30	22.6 641g	12.4" 32c	Locking Turrets
UTG: Accushot OP3, w/ MOA Reticle <small>No. OP3-GM4164UMOA</small>	?; 210	Life	Yes!!	4-14x	26-8	44	11-3.0	Y	??	1/4 moa	24 moa	MOA=	=MOA	SFP 10x	D, N	?	30	21.5 610g	10.7" 27c	Locking Turrets
UTG: Accushot Premium: Bubble Leveler, w/ MOA Reticle <small>SCP3-UG4165A0IEWB</small>	?; 210	Life	Yes!!	4-16x	24-7	56	14-3.5	Y	??	1/8 moa	16? moa	MOA≠	≠MIL	SFP 10x	D	?	30	31.7 899g	16.0" 41c	T Turn Counter Bubble Level Locking Turrets
Nikko: Diamond Long Range w/ HMD Reticle! <small>No. NDSM1650LRHMD</small>	240; ?	Life, O.Own	?	4-16x	32-8	50	?	Y	60	1/4 moa		MOA≠	≠MIL	SFP x?	D	?	30	27.7 784	13.7" 35c	Locking Turrets
Discovery: VT-3 4-16x44 SF SFP	150; 172	3y	Yes	4-16x	35-9	44		N O	65	0.1 mil	6 mil	MIL =	=MIL	SFP 10x	D, N	?	30	19.4 550g	10.6" 27c	Locking Turrets
Discovery: HD 3-15x50 SFIR SFP	198; 255	3y	?	3-15x	40-8	50		Y	65	0.1 mil	6 mil	MIL =	=MIL	SFP 10x	D, N	.05 ^{mi} .17 ^{mo}	30	27.8 788g	13.5" 34c	Locking Turrets
MTC: Viper Pro	640; -	Life ^{30d} R. O.Own	Yes (?)	3-18x	42-7?	50	?	Y	73	1/4 moa	42 moa	MOA≠	≠MIL	SFP x?	D	?	30	30.4 862g	14.8" 38c	Customzbl Turrets "low quality glass" Magnifier Cap
MTC: Viper Pro Tactical	590; -	Life ^{30d} R. O.Own	Yes (?)	3-18x	42-7?	50	?	Y	73	1/4 moa	14 moa	MOA≠	≠MIL	SFP x?	D	?	30	25.6 725g	14.8" 38c	not customizable, "low quality glass"
Hawke: Airmax 30 SF AMR IR <small>No. 13 310</small>	400; ?	Life, R. O.Own	Yes!!	4-16x	23-6	50	13-3.0 , N	Y	85	1/4 moa	?	MOA≠	≠MIL	SFP x?	D	?	30	27.5 780g	14.1" 36c	
Riton (US): MOD5 GEN2 Wide FoV <small>No. 019962523861</small>	420; 520	Life, NoRec	?	4-16x	29-8	50	12-3.1	Y	80	1/4 moa	15 moa	MOA=	=MOA	SFP 16x	D		30	23.0 652g	12.0" 30c	Capped Turrets! BUT Clickable
Sightron: S-TAC <small>No. 793139-260130</small>	300; 390	Life	Yes!!	3-16x	32-6	42	?	N O	70	1/4 moa	15 moa	MOA=	=MOA	SFP 16x	D	.02 ^{mi} .08 ^{mo}	30	23.5 666g	12.9" 33c	Capped Turrets! BUT Clickable T Turn Counter
Bushnell: Engage	325; ?	Life, NoRec.		4-16x	28-7	44	?	N O	50	1/4 moa	15 moa	MOA=	=MOA	SFP x?	D		30	20.1 570g	14.0" 36c	
Aztec: Emerald	400; ?	Life	Yes!!	3-18x	19-4? = Error in the Catalog	50	?	N O	??? (50MOA for 5.5- 25x50)	1/4 moa	15 moa	MOA=	=MOA	SFP 18x	D	?	30	24.3 690g	13.3" 34c	
Optisan: EVX 4-16X44i (MIL-MH10X)	391; 440	Life	?	4-16x	27-7	44	?	Y	50	0.1 mil	4.8! mil	MIL =	=MIL	SPF 10x	D, (N)		30	25.6 726g	14.3" 36c	T Revolution uneven 4.8 mil!
Hawke: Airmax 30 Compact <small>No. 13 210</small>	339; 380	Life, R. O.Own	Yes! !	4-16x	33-8	44	?	Y	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
Sightron: S-TAC: [SFP, MOA] <small>No. 793139-260154</small>	450; ?	Life	?	4-20x	24-4	50	?	N O	80 (40 wind age)	1/4 moa	15 moa	MOA=	=MOA	SFP x?	D	.5- .1 ^{mo}	30	23.8 675g	14.8" 38c	Capped Turrets! BUT Clickable T Turn Counter
Vector: Paragon Gen. II <small>No. SCOM-25 SCOM-11 → NO!</small> Gen. I No.	?; 360	5y, Rec.	?	3-15x	37-8	50	8-3.3	Y	85	0.1 mil	8 mil	MIL =	=MIL	SFP x?	D, N	?	30	22.0 625g	12.2" 34c	
Vector: Continental 30mm Tactical <small>No. SCOL-21T</small>	?; 460	Life, NoRec.	?	3-18x	41-7	50	9-2.8	Y	70	0.1 mil	8 mil	MIL =	=MIL	SFP 10x	D, N ^{Ev} , Grid	?	30	23.8 675g	15.2" 39c	
Vector: Continental 30mm Tactical <small>No. SCOL-33T</small>	?; 499	Life, NoRec.	?	4-24x	31-5	50	9-2.1	Y	67	0.1 mil	8 mil	MIL =	=MIL	SFP x?	D, N, Grid	?	30	23.6 670g	14.6" 37c	Parallax 15y
Hawke: Frontier SF, Ret. MIL PRO <small>No. 18 120</small>	?; 609	Life, R. O.Own	Yes!!	3-15x	38-7	44	12-2.5 Error on Web	Y	70	0.1 mil		MIL =	=MIL	SFP 10x	D, N ^{Ev} , Grid	?	1"	20.6 584g	13.2" 34c	

in 2019	Price \$ Low; Mfctr.'s	War- ranty	Sprin- ger- Red	Magni- fication	FoV =Field of View @ 100y (ft)	Obj. Dia Ø (mm)	Exit Pupil (mm)	IR Y, N	Max. Elev. Adjmt (MOA)	1 Click =	1 T. Turn =	Turrets in:	Reticle in:	FFP Thick O/S Posts? - SFP Calibration at ?	Enough Dots, No's	Line Thick- ness	1" or 30mm Tube	Weight (oz) (g)	Length (inch) (cm)	Misc. + Reviewers' "Comments"
FFP Scopes – without Thick Outside Posts in the Reticle																				
Discovery: HI: 4-14x44SF SRF FFP No. 170209	?; 248	3y	?	4-14x	26-8	44	?	N O	53	0.1 mil	6 mil	MIL =	=MIL	FFP Med. Thick Posts	D, N, Grid	?	30	26.1 742g	13.9" 35c	Mech. Range Finder, Angle Indicator
Discovery: FFP: 4-14x44 SFRLIR-HK No. 170302	185; 210, 285	3y	?	4-14x	27-8	44	?	Y	87	0.1 mil	6 mil	MIL =	=MIL	FFP No Thick Posts	D, a bit weird?	?	30	24.4 693g	13.3" 34c	
Vector: Veyron FFP No. SCFF-22	198; 259	5y	Yes	4-16x	26-6	44	11- 2.7	N O	60	0.1 mil	6 mil	MIL =	=MIL	FFP ¹⁷ No Thick Posts	D	?	30	20.0 570g	10.6" 27c	Locking Turrets Eye Relief: 9.0-8.5cm
Sun Optics: FFP Variable Series No. CS41-41444	313; 563	1y	?	4-14x	27-8	44	11- 3.2	N O	???	0.1 mil	???	MIL =	=MIL	FFP No Thick Posts	D, N		30	24.0 680g	14" 36c	Turrets a bit ugly!
Discovery: HI: 4-14x44 SF FFP No. 170209	?; 248, 330	3y	?	4-14x	26-8	44	?	N O	53	0.1 mil	6 mil	MIL =	=MIL	FFP Med. Thick Posts	D, N, Grid	?	30	26.5 750g	13.0" 33c	Angle Indicator! Turret to calcu- late Range!
MTC: Cobra F1	427; –	Life Rec. O.Own 30d	?	4-16x	27-7	50	?	Y	47	0.1 mil	6 mil	MIL =	=MIL	FFP No Thick Posts	D	?	30	29.4 834g	13.5" 34c	Parallax 15y Locking Turrets Magnifier in Cap
Discovery: HD: 3-15x50 SFIR FFP	?; 319	3y	?	3-15x	40-8	50	?	Y	60	0.1 mil	6 mil	MIL =	=MIL	FFP No Thick Posts	D, N, mini Grid	?	30	27.8 788g	13.5" 34c	Locking Turrets
Discovery: HD: 4-20x50 SFIR No. 170105	200; 300	3y	?	4-20x	24-5	50	?	Y	60	0.1 mil	6 mil	MIL =	=MIL	FFP ⁹ No Thick Posts	D, N, mini Grid	.05 ^{mi} .17 ^{mo}	30	28.1 795g	13.4" 34c	Locking Turrets
Vector: Taurus No. SCFF-11	360; 400	Life, No Rec.	?	3-18x	33-6	50	16- 2.7	Y	60	0.1 mil	6 mil	MIL =	=MIL	FFP ¹ No Thick Posts	D, N	?	30	26.5 750g	13.2" 34c	Parallax says 15y, but is 10y
Discovery: HD/34mm: 3-18x50 SFIR No. 170108	312; ?	3y	?	3-18x	37-6	50	?	Y	82	0.1 mil	6 mil	MIL =	=MIL	FFP ¹⁶ No Thick Posts	D, N, Grid	.05 ^{mi} .17 ^{mo}	34 26.5 748g	13.3" 34c	Parallax is 10y. Locking Turrets	
Hawke: Sidewinder SF FFP No. 17 410	480; 579	Life, R. O.Own	Yes	4-16x	23-6	50	13- 3.0	Y	83	0.1 mil	6 mil	MIL =	=MIL	FFP ⁵ No Thick Posts	D	?	30	28.7 810g	14.4" 37c	
Hawke: Airmax 30 FFP SF No. 13 350	?; 569	Life, R. O.Own	Yes!!	4-16x	32-8	50	12- 3.1	Y	70	0.1 mil		MIL =	=MIL	FFP w/ odd spacing No Thick Posts	D	?	30	26.6 755g	13.7" 35c	Capped Turrets! BUT Clickable
Hawke: Vantage 30 WA FFP No. 14 300	? ; 469	Life, R. O.Own		4-16x	33-8	50	12- 3.1	Y	86	0.1 mil	6 mil	MIL =	=MIL	FFP No Thick Posts	D	?	30	26.3 745g	13.7" 35c	
Vector: Taurus No. SCFF-17	300; 430	Life, No Rec.	?	4-24x	27-4	50	12- 2.1	Y	50	0.1 mil	6 mil	MIL =	=MIL	FFP ¹⁵ No Thick Posts	D, N	.04 ^{mi} .14 ^{mo}	30	27.1 770g	15.0" 38c	Parallax says 15y, but is 10y. Locking turrets. 2 extra elev. turrets
Discovery: HD/34mm 4-24x50 SFIR No. 170109	330; 350	3y	?	4-24x	27-5	50	12- 2.1 calcula ted	Y	85	0.1 mil	6 mil	MIL =	=MIL	FFP No Thick Posts	D, N, Grid	.05 ^{mi} .17 ^{mo}	34 23.7 776g	14.7" 37c	Parallax is 10y. Locking Turrets	
FFP Scopes – with Thick Outside Posts in the Reticle																				
Monstrum: FFP-G2 No. G2-BFFPS41650-M	?; 170	1y, R. O.Own	?	4-14x	?	44	?	Y	???	¼ moa	15 moa	MOA ≠	≠MIL	FFP Thick O/S Posts	D		30	29.0 822g	14.5" 37c	
Monstrum: FFP-G3 No. G3-F1444	?; 240	1y, R. O.Own	?	4-14x	?	44	?	Y	???	¼ moa	15 moa	MOA =	=MOA	FFP ²⁰ Thick O/S Posts	D		30	26.0 737g	14.0" 36c	
Monstrum: FFP-G1 No. FFPS41444-M	?; 195	1y, R. O.Own	?	4-14x	?	44	?	Y	???	0.1 mil	6 mil	MIL =	=MIL	FFP ¹⁰ Thick O/S Posts	D, N		30	26.0 737g	13.0" 33c	T Turn Counter
Discovery: FFP: 4-14x44 SFRLIR-DC No. 170301	?; 210, 280	3y	?	4-14x	27-8	44	?	Y	87	0.1 mil	6 mil	MIL =	=MIL	FFP Thick O/S Posts	Weird!	?	30	24.4 693g	13.3" 34c	
Discovery: VT-3: 4-16x50 FFP No. 170601 Contradictory Webpages!	210; 260	3y	?	4-16x	25-6	50	?	N O	60	¼? moa 1/8? moa	15? moa 7.5? moa	MOA =	=MOA	FFP ²¹ Thick O/S Posts	D	?	30	26.1 742g	13.9" 35c	Angle Indicator
Discovery: VT-T: 4.5-18x44 SFVF FFP No. ???	?; 230, 310	3y	?	4.5- 18x	25-7	44	?	N O	60	0.1 mil	6 mil	MIL =	=MIL	FFP Thick O/S Posts	D, N	?	30	26.5 750g	14.2" 36c	W/ Scope Phone Adaptor

				Magni. → FoV	→ Eye Box			Exposed Turrets				Holdoff Reticle				Dimensions				
in 2019	Price \$ Low; Mfctr.'s	War- ranty	Sprin- ger- Ret	Magni- fication	FoV =Field of View @ 100y (ft)	Obj. Dia (mm)	Exit Pupil (mm)	IR Y Adj (MOA)	Max. Elev.	1 Click =	1 T. Turn =	Turrets in:	Reticle in:	FFP Thick O/S Posts? - SFP Calibration at ?	Enough Dots, No's	Line Thick- ness	1" or 30mm Tube	Weight (oz) (g)	Length (inch) (cm)	Misc. + Reviewers' "Comments"
Discovery: VT-T: 4-16x50 SFVF FFP No. 170501	260; 350	3y	?	4-16x	25-6	50	?	N 60 0	60	0.1 mil	6 mil	MIL =	=MIL	FFP Thick O/S Posts	D, N	?	30	26.1 740g	14.8" 38c	W/ Scope Phone Adaptor
Discovery: VT-T: 3-18x50 SFVF No. 170504	240;	3y	?	3-18x	40-7	50	?	N 60 0	60	0.1 mil	6 mil	MIL =	=MIL	FFP Thick O/S Posts	D, N	?	30	26.2 740g	14.8" 38c	W/ Scope Phone Adaptor
Discovery: VT-3: 4-16x44 SF No. 170611	193; 280	3y	?	4-16x	26-7	44	10- 2.8	N 65 0	65	0.1 mil	6 mil	MIL =	=MIL	FFP Thick O/S Posts	D	?	30	19.4 550g	10.6" 27c	Locking Turrets
Nikko: Diamond FFP 30 •w/ PRR Reticle No. NSFFP41644PRR •w/ Skeleton HMD Reticle No. NSFFP41644HMD	275; ?	Life, 0.Own	?	4-16x	27-7	44		Y 60	60	0.1 mil		MIL =	=MIL	FFP ¹⁸ O/S Posts: •Thick •Not Thick	D, N D, -	.05 ^{mi} .17 ^{mo}	30	21.9 620g	13.4" 34c	Locking Turrets
Primary Arms (US): Silver Series SLx: •w/ R-Grid 2B Ret. No. 610090 •w/ MIL-DOT Ret. No. 610091 •w/ ARC-2-MOA Ret. No. 610089	280 Mfc 230 Mfc 250 Mfc	3y	?	4-14x	27-8	44	11- 3.3	Y 60	60	0.1mi 0.1mi 1/4mo	6 mil 6 mil 12mo	MIL = MIL = MOA =	=MIL =MIL =MOA	FFP ⁴ O/S Posts: •Not Thick •Thick •Thick	D, N, Grid. D. D, (N)		30	25.2 714g	13.0" 33c	T Turn Counter
Blackhound (US): 4-14x44 FFP	?; 300	Life, Anyb.	?	4-14x	27-8	44	?	Y 70	70	0.1mi 1/4mo	5 mil 15mo	MIL = MOA =	=MIL =MOA	FFP ² Thick O/S Posts	D, N		30	25.6 726g	13.0" 33c	T Turn Counter
Discovery: ED: 4-16x50 SF No. 171103	360; ?	Life (for ED)	?	4-16x	31-8	50	10- 3.1	N 80 0	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
Vector: Tourex No. SCFF-24	?; 260	5y, Rec.	?	4-16x	25-6	44	11- 2.7	Y 60	60	0.1 mil	6 mil	MOA =	=MOA	FFP Thick O/S Posts	D, ≈N	?	30	23.5 665g	14.0" 36c	
Nikko: Diamond FFP 34 •w/ PRR Reticle No. NSFFP3441644 •w/ Skeleton HMD Ret. No. NSFFP3441644	320; ?	Life, 0.Own	?	4-16x	27-7	44		Y 115	115	0.1 mil	6 mil	MIL =	=MIL	FFP ¹⁸ O/S Posts: •Thick •Not Thick	D, N D, -	.05 ^{mi} .17 ^{mo}	34	24.0 680g	13.4" 34c	Locking turrets
Optisan: EVX4-16X44F1 (MIL-F1MH16)	490; 550	Life	?	4-16x	27-7	44	11- 2.7	N 50 0	50	0.1 mil	5 mil	MIL =	=MIL	FFP ¹⁹ Thick O/S Posts	D, (N)		30	24.0 680g	14.2" 36c	
Athlon: Talos BTR No. 215028	290; 360	Life, NoRec.	Yes!!	4-14x	27-8	44	11- 3.3	Y 67	67	0.1 mil	5 mil	MIL =	=MIL	FFP ⁷ Thick O/S Posts	D, N	.025 ^{mi} .08 ^{mo}	30	23.6 669g	12.9" 33c	
Primary Arms (US): Silver Series SLx: •w/ Apollo 6.5CM Reticle •w/ Athena BPR MIL Ret. •w/ Hera BPR MOA Ret.	?; 480	Life	?	3-18x	37-6	50	16- 2.7	Y 48	48	0.1mi 1/4mo	7 mil	MIL = MIL = MOA =	=MIL =MIL =MOA	FFP ³ Thick O/S Posts	D, N D, N, Grid		30	25.5 720g	13.2" 34c	Parallax 15y✓ Locking Turrets
Arken: SH4 No. SH4-4141	?; 350	Life		4-14x	26-8	44	?	N 76 (34 wind age)	76	0.1 mil	5mil	MIL =	=MIL	FFP ¹¹ Thick O/S Posts	D, N		30	21.0 595	13.0" 33c	Zero stop 4 screws to re-zero
SWFA: 30mm series "Turrets + scope very tough."	550; Demo 700	Life, NoRec	Yes (?)	3-15x	35-7	42	11- 2.8	N 120 0 or 140	120 or 140	0.1mi 1/4mo	5 mil 15mo	MIL = or MOA =	=MIL or =MOA	FFP Thick O/S Posts	D or D, N	.06 ^{mi} .20 ^{mo}	30	24.1 680g	13.7" 35c	T Turn Counter Tough! Turrets a bit ugly. Min. Parall. 7y
Discovery: ED: 3-15x50 SFIR No. 171101	382; ?	Life (for ED)	Yes ?	3-15x	31-7	50	15- 3.0	Y 90 or 100	90 or 100	0.1 mil	? some was mes- sed up	MIL =	=MIL	FFP Thick O/S Posts	D, N, Grid	?	30	30.4 859g	14.6" 37c	Locking Turrets 4 screws to re-zero
Sightron: S-TAC: [FFP, MIL] No. 793139-260161	660; ?	Life	?	4-20x	22-4	50	?	Y 80 (40 wind age)	80	0.1 mil	5 mil	MIL =	=MIL	FFP Thick O/S Posts	D, N	.035 ^{mi} .12 ^{mo}	30	25.6 725g	15.0" 38c	T Turn Counter Zero Stop
Shepherd: BRS: •w/ BRS-MIL Ret. •w/ BRS-MOA Reticle	499; 549	Life, 0.Own	?	4-16x	25-7	44	?	Y 65	65	0.1 mil	6 ² mil 15mo	MIL = MOA =	=MIL =MOA	FFP ¹² Thick O/S Posts	D, N ^{Elev.} , Grid	?	30	23.0 670g	13.8" 35c	Locking Turrets
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	60	0.1mi 0.1mi 1/4mo	6 mi 6 mi 15mo	MIL = MIL = MOA =	=MIL =MIL =MOA	FFP Thick O/S Posts	D, N +Grid +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): Kentucky Long	428; 529	Life (50000 rounds)		3-18x	35-6	50	11- 2.2	Y 110	110	0.1mi 1/4mo	6 mi 15mo	MIL = MOA =	=MIL =MOA	FFP Thick O/S Posts	D, N, Grid	?	30	28.2 800g	14.8 38c	Locking Turrets

in 2019	Price \$ Low; Mfctr.'s	War- ranty	Sprin- ger- Ratd	Magni- fication	FoV = Field 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:	FFP Thick O/S Posts? - SFP Calibration at ?	Enough Dots, No's	Line Thick- ness	1" or 30mm Tube	Weight (oz) (g)	Length (inch) (cm)	Misc. + Reviewers' "Comments"
Hi-Lux (US): PentaLux TAC-VF 4-20x50 FFP G2	539; 575	Life, Rec.	No	4-20x	28-6	50	12- 2.5	Y	80	0.1 mil	12 mil	MIL =	=MIL	FFP Thick O/S Posts	D, N	?	30	27.9 791g	14.7" 37c	
Athlon: Midas TAC No. 213070	590; 737	Life, NoRec.	?	4-16x	28-7	44	11- 1.8	Y	100	0.1 mil	10 mil	MIL =	=MIL	FFP ⁸ Thick O/S Posts	D, N	.04 ^{mi} .14 ^{mo}	30	23.8 669g	12.9" 33c	Zero Stop
Falcon (UK): S18i FFP *343\$ at SWFA 12%	343, 380; -	10y, 0.Own	Yes!!	3-18x	39-7	50	16- 2.8 calcul.	Y	90 Mine travels 105	0.1 mil	10 mil	MIL =	=MIL	FFP ⁶ Thick O/S Posts	D, N	.04 ^{mi} .14 ^{mo}	30	31.1 882g	14.6" 37c	T Turn Counter
Swampfox (US): Kentucky Long	458; 569	Life (50000 rounds)		4-24x	31-5	50	11- 2.0	Y	90	0.1mi 1/4mo	6 mi 15mo	MIL = or MOA =	=MIL or =MOA	FFP Thick O/S Posts	D, N, Grid	?	30	28.2 800g	15.1 38c	Locking Turrets
Vector: Continental 34mm No. SCRR-28	?; 800	Life, NoRec.		3-18x	41-7	56	8- 2.8	Y	146	0.1 mil	10 mil	MIL =	=MIL	FFP ¹³ Thick O/S Posts	D, N, Grid		34	28.9 820g	13.3" 34c	Zero Stop Locking Turrets
Vector: Continental 34mm No. SCFF-29	750; 850	Life, NoRec.		4-24x	31-5	56	8- 2.3	Y	113	0.1 mil	10 mil	MIL =	=MIL	FFP ¹⁴ Thick O/S Posts	D, N, Grid		34	27.5 780g	14.3" 36c	Zero Stop → then only oomoa elev. adj. Locking Turrets
Brand: Series Part No.	Price \$ Low; Mfctr.'s	War- ranty	Sprin- ger- Ratd	Magni- fication	FoV = Field 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:	FFP Thick O/S Posts? - SFP (Calibration)	Enough Dots, No's	Line Thick- ness	1" or 30mm Tube	Weight (oz) (g)	Length (inch) (cm)	Misc. + Reviewers' "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/>

¹ Vector: Taurus: 3-18x50 FFP: Reticle at all magnifications: @ 7.59min:

<https://www.youtube.com/watch?v=SOOdqEcXgU4>

² Blackhound: 4-14x44 FFP: Reticle at min. and max. magnification:

- Alpha MIL reticle (like in the 6-24x50, the Blackhound page has an error here, and like the MOA and the 6-24x50 FFP – the 4-14x44 FFP most likely has the thick posts:

<https://www.blackhoundoptics.com/product/genesis-6-24x50-ffp-mil>

- Ascent MOA reticle: <https://www.blackhoundoptics.com/product/genesis-6-24x50-ffp-moa/>

³ Primary Arms: Silver Series: 3-18x50 FFP: Apollo 6.5CM MIL Grid reticle: Reticle at min. and max. magnification:

<https://www.primaryarms.com/pa-3-18x50mm-illuminated-ffp-rifle-scope-with-acss-apollo-6-5cm-reticle>

⁴ Primary Arms: Silver Series: 4-14x44 FFP:

- R-Grid 2B reticle: <https://www.primaryarms.com/slx3-5-4-14x44mm-first-focal-plane-rifle-scope-with-illuminated-r-grid-2b-reticle>
- MIL-DOT reticle: <https://www.primaryarms.com/primary-arms-4-14x44mm-riflescope-mil-dot-pa4-14x44ffp>
- ARC-2-MOA reticle: <https://www.primaryarms.com/primary-arms-4-14x44mm-ffp-riflescope-arc-2-moa-reticle>

⁵ Hawke: Sidewinder SF FFP [No. 17 410]: Reticle at min. and max. magnification:

<https://us.hawkeoptics.com/sidewinder-30-sf-ffp-riflescopes.html>

⁶ Falcon: S18i 3-18x50 FFP: Reticle at all magnifications: @ 2:06min:

<https://www.youtube.com/watch?v=RGmnOFp2fUU>

⁷ 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-mi>

⁸ Athlon: Midas TAC 4-16x44 FFP: APRS2 MIL: Reticle at min. and max. magnification:

<https://athlonoptics.com/product/midas-tac-4-16x44-mil/>

⁹ Discovery: HD: 4-20x50 SFIR FFP: Reticle at all magnifications: @ 2:42min:

https://www.youtube.com/watch?v=C1qBt7yg_ek

¹⁰ 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

¹¹ Arken: SH4: 4-14x44 FFP: Reticle at all magnifications: 2:53min:

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

- ¹² Shepherd: BRS: 4-16x44 FFP: Reticle at min. and max. magnifications:
MIL: <https://shepherdsopes.com/wp-content/uploads/2020/04/4-16x44-BRS-MIL-Reticle.jpg>
MOA: <https://shepherdsopes.com/wp-content/uploads/2020/04/4-16x44-BRS-MOA-Reticle.jpg>
- ¹³ Vector: Continental 34mm: 3-18x50: Reticle at min. and max. magnifications:
<https://www.vectoroptics.com/data/uploads/2020/06/22/1592831083.jpg>
- ¹⁴ Vector: Continental 34mm: 4-24x56: Reticle at all magnifications: @ 1:27min:
<https://www.youtube.com/watch?v=ceLSb2gkmbk>
<https://www.vectoroptics.com/data/uploads/2020/06/22/1592831142.jpg>
- ¹⁵ Vector: Taurus: 4-24x50 FFP: Reticle at min. and max. magnification: @ 0:37min (play at slowest playback speed, the min. magnification will be shown only for a *split second* – but shows how thin the outside post really are, they are not really “medium”:
<https://www.youtube.com/watch?v=rZRVuR5-398>
- ¹⁶ Discovery: HD/34mm: 3-18x50 FFP: Reticle at all magnifications: 0:35min:
<https://www.youtube.com/watch?v=2PZWxiWHfPc>
- ¹⁷ 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>
- ¹⁸ Nikko: Diamond FFP: Nikko's *Skeleton HMD* reticle is used in several scopes and it does not have thick outside posts; the double lines used are just as thin as the rest of the reticle. Here is an example of the *Skeleton HMD* reticle, in the Diamond FFP 30mm 6-24x50: Reticle at different magnifications: 6x: @ 13:44min | 16x: @ 14:14min | 24x: 14:31min:
https://www.youtube.com/watch?v=VOy2IWN7N_c
- ¹⁹ Optisan: EVX 4-16X44F1 (MIL-F1MH16): Reticle at all magnifications: @ 4:36min
<https://www.youtube.com/watch?v=K1yoMv-VP2Y>
- ²⁰ Monstrum: FFP-G3: 4-14x44 No. G3F41444: Reticle at min. and max. magnification:
https://cdn11.bigcommerce.com/s-r7nbep7374/images/stencil/1280x1280/products/454/2468/Type-H-reticle_4-14x44_99131.1570125176.jpg?c=2
- ²¹ Discovery: VT-3: 4-16x50 FFP: Reticle at all magnifications (the operator of the camera sometimes does not achieve to focus the camera on the reticle, but after about a minute he gets it focused even at low magnification): @ 18:13min and 23:38min
<https://www.youtube.com/watch?v=5NIOfltFLZc>