

# 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**

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## **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

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 wider than average FoV, a higher than average top magnification, a larger than average elevation adjustment range, 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, a small exit pupil [reducing the eye box], or a negative feature (min. parallax more than 10y, capped turrets, 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 narrower than average FoV, 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 34mm tube [limiting scope mount choices], a price so low as to shed doubt on the quality of the scope, etc.

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

*Price \$ Low* = lowest prices in US dollars I found in 2019 (some 2020) [price on first line]

*Price Mfctr.'s* = manufacturer's price [price on second line, or last price in that field]

*IR* = illuminated reticle

Reticle: *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”)

*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, without the cap they are finger adjustable, the numbers are visible from behind the rifle, and the zero can be reset

*Warranty Info:* *Life* = life time warranty | *5y* = 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

*in 2019	Price* \$ Low /// Mfctr.'s	Warranty	Springer-Reticle	Magnification	FoV = Field of View @ 100y (ft)	Obj. Dia (mm)	Exit Pupil (mm)	Obj. Eyebox	Max. Elev. Adjustmt (in MOA)	1 Click =	1 T. Turn =	Turrets in:	Reticle in:	FFP-SFP (Calibration)	Enough Dots, No's	Line Thickness	1" or 30 mm	Weight (oz) (g)	Length (inch) (cm)	Misc. + Reviewers' "Comments"
<b>SFP Scores</b>																				
UTG: Accushot T8 Tactical, w/ MOA Reticle <small>No. SCP3-216UMOA</small>	178 250	Life	✓✓	2-16x	44-6	44	22-2.7	✓	???	1/4" (NOT moa)	18 moa	MOA=	=MOA	SFP 10x	D, N		30	22.6 641g	12.4" 32c	Lockable Turrets
UTG: Accushot OP3, w/ MOA Reticle <small>No. OP3-GM4164UMOA</small>	210	Life	✓✓	4-14x	26-8	44	11-3.0	✓	???	1/4 moa	24 moa	MOA=	=MOA	SFP 10x	D, N		30	21.5 610g	10.7" 27c	Lockable Turrets
UTG: Accushot Premium: Bubble Leveler, w/ MOA Reticle <small>SCP3-UG4165A0IEWB</small>	210	Life	✓✓	4-16x	24-7	56	14-3.5	✓	???	1/8 moa	16? moa	MOA≠	≠MIL	SFP 10x	D		30	31.7 899g	16.0" 41c	T Turn Counter Bubble Level Lockable Turrets
Nikko: Diamond Long Range, w/ HMD Reticle! <small>No. NDBM41650LRHMD</small>	240	Life, O.Own		4-16x	32-8	50	?	✓	60	1/4 moa		MOA≠	≠MIL	SFP	D		30	27.7 784	13.7" 35c	Lockable Turrets
Nikko: C-More X10 Discont. <small>No. NSCM22044</small>	410	Life, O.Own	?	2-20x	47-5	44	22-2.2 calculated	✓	60	1/4 moa	?	MOA≠	≠MIL	SFP	D		30	25.7 730g	13.3" 34c	
MTC: Viper Pro	640	Life <sup>300</sup> R, O.Own	✓ (?)	3-18x	42-7?	50	?	✓	73	1/4 moa	42 moa	MOA≠	≠MIL	SFP	D	?	30	30.4 862g	14.8" 38c	Customzbl Turrets “low quality glass” Magnifier Cap
MTC: Viper Pro Tactical	590	Life <sup>300</sup> R, O.Own	✓ (?)	3-18x	42-7?	50	?	✓	73	1/4 moa	14 moa	MOA≠	≠MIL	SFP	D	?	30	25.6 725g	14.8" 38c	not customizable, “low quality glass”
Nikko: C-More X10 Discont. <small>No. NSCM33056</small>	507	Life, O.Own		3-30x	31-3	56	18.7-1.9 calculated	✓	50	1/8 moa	?	MOA≠	≠MIL	SFP	D		30	34.2 970g	15.3" 39c	
Hawke: Airmax 30 SF AMR IR <small>No. 13 310</small>	400	Life, O.Own	✓✓	4-16x	23-6	50	13-3.0	✓	85	1/4 moa	?	MOA≠	≠MIL	SFP	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	12.5-3.1	✓	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	✓✓	3-16x	32-6	42	?	N O	70	1/4 moa	15 moa	MOA=	=MOA	SFP 16x	D		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	D		30	20.1 570g	14.0" 36c	
Aztec: Emerald	400	Life	✓✓ (?)	3-18x	19-4? = Error in the Catalog	50	?	N O	???	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	?	✓	50	0.1 mil	4.8! mil	MIL=	=MIL	SPF	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, O.Own	✓	4-16x	33-8	44	?	✓	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
Athlon: Midas BTR *both special low prices Discontinued in 2018	250* 350*	Life, NoRec.	?	2.5-15x	42-7	50	?	✓	60	0.1mil or 1/4mo	6 mil or 15mo	MIL= or MOA=	=MIL or =MOA	SFP 15x	D, N		30	26.1 737g	13.8" 35c	

				Magni. → FoV	Obj. → Eye Box	Exposed Turrets				Holdoff Reticle				Dimensions						
*in 2019	Price* \$ Low /// Brand: Series Part No.	Warranty Mfctr.'s	Springer- Rated	Magnification	FoV =Field of View @ 100y (ft)	Obj. Dia (mm)	Exit Pupil (mm) → R	I Max Elev. Adjustmt (in MOA)	1 Click =	1 T. Turn =	Turrets in:	Reticle in:	FFP- SFP (Calibration)	Enough Dots, No's	Line Thick- ness	1" or 30 mm	Weight (oz) (g)	Length (inch) (cm)	Misc. + Reviewers' "Comments"	
Sightron: S-TAC MIL Reticle = IRMH Discontinued in 2018	745	Life	?	2.5- 17.5x	42-6	56	?	✓	77	0.1mil or ¼ moa	5 mil	MIL = or MOA =	=MIL or =MOA	SFP	D		30	30.6 867g	14.5" 37c	Small (stubby) Parallax Turret T Turn Counter
Sightron: S-TAC: [SFP, MOA] No. 793139-260154	450	Life	?	4-20x	24-4	50	?	N O (40 windage)	80	¼ moa	15 moa	MOA =	=MOA	SFP	D	.5- .1 <sup>mo</sup>	30	23.8 675g	14.8" 38c	Capped Turrets! BUT Clickable T Turn Counter
Vector: Paragon Gen. II No. SCOM-25 SCOM-11 → NO! Gen. I No.	360	5y, Rec.		3-15x	37-8	50	8-3.3	✓	85	0.1 mil	8 mil	MIL =	=MIL	SFP	D, N		30	22.0 625g	12.2" 34c	
Vector: Continental 30mm Tactical No. SCOL-21T	460	Life, NoRec.		3-18x	41-7	50	9-2.8	✓	70	0.1 mil	8 mil	MIL =	=MIL	SFP 10x	D, N <sup>Elev.</sup> , Grid	?	30	23.8 675g	15.2" 39c	
Vector: Continental 30mm Tactical No. SCOL-33T	499	Life, NoRec.		4-24x	31-5	50	9.5-2.1	✓	67	0.1 mil	8 mil	MIL =	=MIL	SFP	D, N, Grid		30	23.6 670g	14.6" 37c	Parallax 15y
Hawke: Frontier SF, Ret. MIL PRO No. 18 T20	609	Life, 0.Own		3-15x	38-7	44	12.5-2.5 Error on Web	✓	70	0.1 mil		MIL =	=MIL	SFP 10x	D, N <sup>Elev.</sup> , Grid	?	1"	20.6 584g	13.2" 34c	
FFP Scopes																				
Monstrum: FFP-G2 No. G2-BFFPS41650-M	190	1y, R. 0.Own	?	4-14x	?	44	?	✓	???	¼ moa	15 moa	MOA ≠	≠MIL	FFP	D		30	29.0 822g	14.5" 37c	T Turn Counter?? Low Profile Turrets
Monstrum: FFP-G3 No. G3-FFPS41444-R-Parent	240	1y, R. 0.Own	?	4-14x	?	44	?	✓	???	¼ moa	15(?) moa	MOA =	=MOA	FFP	D		30	26.0 737g	14.0" 36c	Maybe T Turn Counter
Discovery: FFP: 4-14x44 SFRLIR-HK No. 170302	185 285	3y	?	4-14x	?	44	?	✓	87	0.1 mil	6 mil	MIL	MIL	FFP	D, a bit weird?		30	24.4 693g	13.3" 34c	
Discovery: FFP: 4-14x44 SFRLIR-DC No. 170301	? 280	3y	?	4-14x	?	44	?	✓	87	0.1 mil	6 mil	MIL	MIL	FFP	No Picture!		30	24.4 693g	13.3" 34c	
Discovery: VT-3: 4-16x50 SFAI FFP No. 170601	260	3y	?	4-16x	25-6	50	?	N O	60	¼ moa	15 moa	MOA =	=MOA	FFP	D		30	26.1 742g	13.9" 35c	Angle Indicator
Monstrum: FFP-G1 No. FFPS41444-M	200	1y, R. 0.Own	?	4-14x	?	44	?	✓	???	0.1 mil	6 mil	MIL =	=MIL	FFP	D, N		30	26.0 737g	13.0" 33c	T Turn Counter
Sun Optics: FFP Variable Series No. CS41-41444	313 469	1y	✓?	4-14x	27-8	44	11-3.2	N O	???	0.1 mil	???	MIL	MIL	FFP	D, N		30	24.0 680g	14" 36c	Turrets a bit ugly!
Discovery: VT-T: 4-16x50 SFVF FFP No. 170501	260 350	3y	?	4-16x	25-6	50	?	N O	60	0.1 mil	6 mil	MIL =	=MIL	FFP	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 O	60	0.1 mil	6 mil	MIL =	=MIL	FFP	D, N		30	26.2 740g	14.8" 38c	W/ Scope Phone Adaptor
Discovery: VT-3: 4-16x44 SF No. ??????????	193 280	3y	?	4-16x	26-7	44	10-2.8	N O	60	0.1 mil	6 mil	MIL =	=MIL	FFP	D		30	19.4 550g	10.6" 27c	
Discovery: HI: 4- 14x44 SF FFP No. 170209	330	3y	✓?	4-14x	26-8	44	?	N O	53	0.1 mil	6 mil	MIL =	=MIL	FFP	D, N, Grid		30	26.5 750g	13.0" 33c	Angle Indicator!   Turret to calcu- late Range!
Nikko: Diamond FFP 30 •w/ PRR reticle No. NSFFP41644PRR •w/ Skeleton HMD reticle No. NSFFP41644HMD	275	Life, 0.Own		4-16x	27-7	44		✓	60	0.1 mil		MIL =	=MIL	FFP	D, N  D, -	.05 <sup>mi</sup>	30	21.9 620g	13.4" 34c	Locking turrets
Primary Arms (US): Silver Series •R-Grid 2B reticle No. 610090 → •MIL-DOT reticle No. 610091 → •ARC-2-MOA reticle No. 610099 →	280 Mfc 230 Mfc 250 Mfc	3y	?	4-14x	27-8	44	11.2-3.3	✓	60	0.1mil 0.1mil ¼mo	6 mil 6 mil 12moa	MIL = MIL = MOA =	=MIL =MIL =MOA	FFP	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	?	✓	70	0.1mil or ¼mo	5 mil or 15moa	MIL = or MOA =	=MIL or =MOA	FFP	D, N		30	25.6 726g	13.0" 33c	T Turn Counter
Discovery: HD: 4-20x50 SFIR No. 170105	200 300	3y	?	4-20x	24-5	50	?	✓	60	0.1 mil	6 mil	MIL =	=MIL	FFP	D, N		30	28.1 795g	13.4" 34c	
Discovery: HD: 4-24x50 SFIR No. 170109	390	3y	✓?	4-24x	27-5	50	12.5-2.1 calculated	✓	83	0.1 mil	6 mil	MIL =	=MIL	FFP	D, N	34	23.7 776g	14.7" 37c	Parallax 15y??	

				Magni. → FoV		Obj. → Eye Box			Exposed Turrets				Holdoff Reticle			Dimensions				
*in 2019	Price \$ Low /// Mfctr.'s	War- ranty	Spring- ger- Rated	Magni- fication	FoV= Field of View @ 100y (ft)	Obj. Dia (mm)	Exit Pupil (mm) → R	I	Max Elev. Adjustmt (in MOA)	1 Click =	1 T. Turn =	Turrets in:	Reticle in:	FFP- -SFP (Cali- bration)	Enough Dots, No's	Line Thick- ness	1" or 30 mm	Weight (oz) (g)	Length (inch) (cm)	Misc. + Reviewers' "Comments"
Discovery: ED: 4-16x50 SF <small>No. 171103</small>	360	Life (for ED)	✓?	4-16x	31-8	50	10.0-3.1	N O	80	0.1 mil	6 mil	MIL =	=MIL	FFP	D, N		30	22.1 625g	12.2" 31c	
Vector: Tourex <small>No. SCFF-24</small>	260	5y, Rec.		4-16x	25-6	44	11-2.7	✓	60	0.1 mil	6 mil	MOA =	=MOA	FFP	D, ≈N		30	23.5 665g	14.0" 36c	
Nikko: Diamond FFP 34 •w/ PRR reticle •w/ Skeleton HMD reticle <small>No. NSFFP3441644</small>	Not out yet?	Life, 0.0Own		4-16x	27-7	44		✓	115	0.1 mil		MIL =	=MIL	FFP	D, N  D, –	.05 <sup>mi</sup>	34	24.0 680g	13.4" 34c	Locking turrets
Vector: Taurus <small>No. SCFF-11</small>	360 400	Life, NoRec.		3-18x	33-6	50	16.6-2.7	✓	60	0.1 mil	6 mil	MIL =	=MIL	FFP	D, N		30	26.5 750g	13.2" 34c	Parallax says 15y, but is 10y.
Discovery: HD/34mm: 3-18x50 SFIR FFP <small>No. 170108</small>	312	3y	✓?	3-18x	37-6	50	?	✓	50	0.1 mil	6 mil	MIL =	=MIL	FFP	D, N		34	26.5 748g	13.3" 34c	Parallax says 15y, but is 10y
Optisan: EVX 4-16X44F1 (MIL-F1MH16)	490 550	Life	?	4-16x	27-7	44	11-2.7	N O	50	0.1 mil	5 mil	MIL =	=MIL	FFP	D, (N)		30	24.0 680g	14.2" 36c	
Athlon: Talos BTR <small>No. 215028</small>	290 360	Life, 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	
Primary Arms	500	Life	?	3-18x	37-6	50	16.2-2.7	✓	48	0.1 or ¼	7 mil	MIL = or MOA =	=MIL or =MOA	FFP	D, N		30	25.5 720g	13.2" 34c	Parallax 15y✓ Locking Turrets
Arken: SH4 <small>N o. SH4-4141</small>	? 350	Life		4-14x	26-8	44	?	N O	76 (34 windage)	0.1 mil	5mil	MIL =	= MIL	FFP	D, N		30	21.0 595	13.0" 33c	Zero stop
SWFA: 30mm series "Turrets + scope very tough."	550 Demo 700	Life, NoRec	✓ (?)	3-15x	35-7	42	11.8-2.8	N O	120 or 140	0.1mil ¼mo	5 mil 15mo	MIL = or MOA =	=MIL or =MOA	FFP	D, – or D, N		30	24.1 680g	13.7" 35c	T Turn Counter Turrets a bit ugly
Hawke: Sidewinder SF FFP <small>No. 17 410</small>	480 579	Life, 0.0Own	✓	4-16x	23-6	50	13-3.0	✓	83	0.1 mil	6 mil	MIL =	= MIL	FFP	D	?	30	28.7 810g	14.4" 37c	
Hawke: Airmax 30 FFP SF   <small>No. 13 350</small>	 569	Life, 0.0Own	✓✓	4-16x	32-8	50	12.5-3.1	✓	70	0.1 mil		MIL =	=MIL	FFP w/ odd spacing	D	?	30	26.6 755g	13.7" 35c	Capped Turrets! BUT Clickable
Discovery: ED: 3-15x50 SFIR <small>No. 171101</small>	382	Life (for ED)	✓?	3-15x	31-7	50	15.0-3.0	✓	86	0.1 mil	6 mil	MIL =	=MIL	FFP	D, N		30	30.4 859g	14.6" 37c	
Vector: Taurus <small>No. SCFF-17</small>	300 430	Life, NoRec.	?	4-24x	27-4	50	12.5-2.1	✓	50	0.1 mil	6 mil	MIL =	=MIL	FFP	D, N		30	27.1 770g	15.0" 38c	Parallax says 15y, but is 10y. Locking turrets. 2 extra elev. turrets
Sightron: S-TAC: [FFP, MIL] <small>No. 793139-260161</small>	660	Life	?	4-20x	22-4	50	?	✓	80 (40 windage)	0.1 mil	5 mil	MIL =	=MIL	FFP	D, N	.035 <sup>mi</sup>	30	25.6 725g	15.0" 38c	T Turn Counter Zero Stop
Hawke: Vantage 30 WA FFP <small>No. 14 300</small>	 469	Life, 0.0Own		4-16x	33-8	50	12.5-3.1	✓	86	0.1m il		MIL =	=MIL	FFP	D	?	30	26.3 745g	13.7" 35c	
Swampfox (US): Kentucky Long	428 529	Life (50000 rounds)		3-18x	35-6	50	11.1-2.2	✓	110	0.1mil ¼mo	6 mil 15mo	MIL = or MOA =	=MIL or =MOA	FFP	D, N, Grid		30	28.2 800g	14.8 38c	Locking Turrets
Hi-Lux (US): PentaLux TAC-VF 4-20x50 FFP G2	 575	Life, Rec.	No	4-20x	28-6	50	12.5-2.5	✓	80	0.1 mil	12 mil	MIL =	=MIL	FFP	D, N	?	30	27.9 791g	14.7" 37c	
Falcon (UK): S18i FFP *at SWFA 12%	343* 380	10y, 0.0Own	✓ (?)	3-18x	38-7	50	16.7-2.8 calculated	✓	90 Mine travels 105 total	0.1 mil	10 mil	MIL =	=MIL	FFP	D, N	.04 <sup>mi</sup> .14 <sup>mo</sup>	30	31.1 882g	14.6" 37c	T Turn Counter
Swampfox (US): Kentucky Long	458 569	Life (50000 rounds)		4-24x	31-5	50	11.1-2.0	✓	90	0.1mil ¼mo	6 mil 15mo	MIL = or MOA =	=MIL or =MOA	FFP	D, N, Grid		30	28.2 800g	15.1 38c	Locking Turrets
Vector: Continental 34mm <small>No. SCRR-28</small>	? 800	Life, NoRec.		3-18x	41-7	56	8.0-2.8	✓	146	0.1 mil	10 mil	MIL =	=MIL	FFP	D, N, Grid		34	28.9 820g	13.3" 34c	Locking Turrets Zero Stop
Vector: Continental 34mm <small>No. SCFF-29</small>	? 850	Life, NoRec.		4-24x	31-5	56	8.0-2.3	✓	113	0.1 mil	10 mil	MIL =	=MIL	FFP	D, N, Grid		34	27.5 780g	14.3" 36c	Locking Turrets Zero Stop
Brand: Series <small>Part No.</small>	Price \$ Low /// Mfctr.'s	War- ranty	Spring- ger- Rated	Magni- fication	FoV= Field of View @ 100y (ft)	Obj. Dia (mm)	Exit Pupil (mm) → R	I	Max Elev. Adjustmt (in MOA)	1 click =	1 T. Turn =	Turrets in:	Reticle in:	FFP- -SFP (Cali- bration)	Enough Dots, No's	Line Thick- ness	1" or 30mm	Weight (oz) (g)	Length (inch) (cm)	Misc. + Reviewers' "Comments"
				Magni. → FoV		Obj. → Eye Box			Exposed Turrets				Holdoff Reticle							