

Scope Specs Table

For e.g.: 6-20x | 5-24x | 4-20x

Bottom Magni. = 6x or lower

Top Magni. = 20x or higher

with 10y-Side Parallax

Exposed Turrets

Holdoff Reticle

Under \$500

April 1, 2020 | Matthias aka JungleShooter | JungleShooterX@gmail.com

Requirements for this Table (a few exceptions are included)

Bottom magnification = 6x or lower

Top magnification = 20x 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, 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 | **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

in 2019	Price \$ Low /// Mfctr's	Warranty	Springer-Rated	Magnification	FoV = Field of View @ 100y (ft)	Obj. Dia (mm)	Exit Pupil (mm) → Eyebow	IR	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 30mm	Weight (oz) (g)	Length (inch) (cm)	Misc. + Reviewers' "Comments"
SFP Scopes																				
UTG: TrueHunter <small>No. SCP-U6245A0IEW (mine from 2017)</small>	100	Life		6-24x	14-4	50	9.3-2.3	✓	?? 55 estim.	1/4"	15 moa	MOA ≠	≠MIL	SFP 10x	D*		1"	26.0 750g		*It should state "glass etched reticle"!
UTG: Accushot <small>No. SCP3-UG6245A0IEW</small>	209 310	Life		6-24x	15-5	56	8.3-2.2	✓	??	1/6 moa	15 moa	MOA ≠	≠MIL	SFP 10x	D*		30	322 910g		
Discovery: HD/30mm SFP <small>No. 170103</small>	207	3y		5-25x	24-5	50		✓	60	0.1 mil	6 mil	MIL =	=MIL	SFP 10x	D, N	?	30	27.8 785g	13.2" 34c	
Nikko: Diamond Long Range w/ HMD reticle(!) <small>No. NDSI62450LRHMD</small>	250	Life, O.Own		6-24x	21-5	50		✓	40	1/4 moa		MOA ≠	≠MIL	SFP	D		30	27.8 788g	15.4" 39c	
Vector: Atlas <small>No. SCOL-04</small>	399	5y, Rec.		5-30x	25-4	56	11.2-1.9	✓	80	1/8 moa	15 moa	MOA ≠	≠MIL	SFP	D, N	?	35	35.3 1000g	14.8" 38c	
MTC: Viper Pro Tactical	520	Life ^{300R} , O.Own		5-30x	24-4	50		✓	42	1/4 moa	10 moa	MOA ≠	≠MIL	SFP	D	?	30	25.8 732g	16.4" 42c	not customizable
MTC: Viper Pro	570	Life ^{300R} , O.Own		5-30x	24-4	50		✓	42	1/4 moa	30 moa	MOA ≠	≠MIL	SFP	D	?	30	30.7 869g	16.4" 42c	Customizbl. Turrets Magnifier Cap
Nikko: C-More X10 <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	
Nikko: C-More X10 <small>No. NSCM33056</small>	507	Life, O.Own		3-30x	31-3	56		✓	50	1/8 moa		MOA ≠	≠MIL	SFP	D	?	30	34.2 970g	15.3" 39c	
Bushnell: Engage <small>No. REN62450DG</small>	450	Life, NoRec.		6-24x	18-4	50	?	N O	50	1/8 moa	8 moa	MIL ≠	≠MOA	SFP	D	.05 ^{mi} .18 ^{mo}	30	23.7 672g	14.2" 36c	
Hawke: Sidewinder 30 SF <small>No. 17220 [not 17221]</small>	439	Life, O.Own		6-24x	15-4	56	9.0-2.0	✓	62	1/4 moa	15 moa	MOA ≠	≠MIL	SFP	D	?	30	29.8 844g	15.9" 40c	
Hawke: Airmax 30 SF <small>No. 13320</small>	408	Life, O.Own		6-24x	17-4	50	8.0-2.0	✓	65	1/4 moa	15 moa	MOA ≠	≠MIL	SFP w/ odd spacing	D	?	30	26.7 757g	15.6" 40c	"small Eyebow"
Aztec: Emerald	440	Life		55-25x	19-4	50	?	N O	c. 40?	1/4 moa	15 moa	MOA =	=MOA	SFP 18"x	D, N	?	30	25.4 720	14.4 37c	
Hawke: Airmax 30 SF Compact <small>No. 13220</small>	400	Life, O.Own		6-24x	22-5	50		✓	53	0.1 mil	?	MIL =	=MIL	SFP 10x	D	?	30	23.6 670g	13.0" 33c	Capped Turrets! BUT Clickable Turn Counter
Optisan: EVX, Gen. 2: 5-20X50i	430 440	Life		5-20x	23-6	50	10.0-2.5	✓	50	0.1 mil	4.5 mil?	MIL =	=MIL	SFP	D, (N)		30	27.0		
Optisan: EVX, Gen. 1: 6-24X56i	? 410	Life		6-24x	19-5	56		✓	50	0.1 mil		MIL =	=MIL	SFP	D, (N)		30	29.2		
Optisan: EVX, Gen. 1: 5-20X50i	? 400	Life		5-20x	23-6	50		✓	50	0.1 mil		MIL =	=MIL	SFP	D, (N)		30	27.0		
Sightron: S-TAC: [SFP, MOA] <small>No. 793139-260154</small>	450	Life	?	4-20x	24-4	50	?	N O	80 (40 windage)	1/4 moa	15 moa	MOA =	=MOA	SFP	D	.5-1 ^{mo}	30	23.8 675g	14.8" 38c	Capped Turrets! BUT Clickable Turn Counter

				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) → Eyeball	IR	Max. Elev. Adjustmt (in MOA)	1 Click =	1 T. Turn =	Turrets in:	Reticle in:	FFP- SEP (Calibration)	Enough Dots, No's	Line thickness	1" or 30mm	Weight (oz) (g)	Length (inch) (cm)	Misc. + Reviewers' "Comments"
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. T8 T30	629	Life, 0.Own		4-20x	28-6	44	11.0-2.2	✓	63	0.1 mil		MIL =	=MIL	SFP 20x	D, N ^{Elev} , Grid	?	1"	?20.6 7584g	?13.2" 734c	Parallax 15y Weight/Length Error?
Hawke: Frontier SF, Ret. MIL PRO No. T8 T40	699	Life, 0.Own		5-25x	24-5	50	10.0-2.0	✓	50	0.1 mil		MIL =	=MIL	SFP 20x	D, N ^{Elev} , Grid	?	1"	22.2 628g	14.4 37c	Parallax 15y
FFP Scopes																				
Monstrum: Reticles G1, G2, G3, GH	150-250	1y, Rec, 0.Own		6-24x	19-5	50		✓	75??	1/4 moa	15 moa	MOA =	=MOA	FFP	D	?	30	30.0 851g		Parallax is 10y
Vector: Tourex No. SCFF-19	280	5y, Rec.		6-24x	18-5	50	8.3-2.1	✓	50	1/4 moa	15 moa	MOA =	=MOA	FFP	D, N ^{but 4, 12, 20, 28, 36}	?	30	26.3 745g	14.3" 37c	Zero stop turrets
Vector: Marksman 6-24x50 (not the 6-25x50, SCFF-11) No. SCOL-26	230	5y, Rec.		6-24x	17-5	50	8.3-2.1	N O	60	0.1 mil	6 mil	MIL =	=MIL	FFP	D, N, Grid ^{but not so great}	?	30	24.7 700g	14.2" 36c	Locking turrets
Hawke: Airmax 30 FFP SF No. 13 352	589	Life, 0.Own	✓✓	6-24x	21-5	50	8.3-2.1	✓	57	0.1 mil		MIL =	=MIL	FFP w/ odd spacing	D	?	30	27.0 765g	14.9" 38c	Capped Turrets! BUT Clickable
Aztec: Emerald FFP	540	Life	✓✓	5.5-25x	19-4	50	?	✓	c. 40?	1/4 moa	15 moa	MOA =	=MOA	FFP	D, N	?	30	25.4 720g	14.4 37c	"Low DoF"
ACME	300			6-24x		50	8.2-2.1	✓	60	0.1 mil or 1/4 moa	?? mil or 12 moa	MIL = or MOA =	=MIL or =MOA	FFP	D		30	28.5 808g		Parallax is 10y. T. Turn Counter
Discovery: VT-3: 6-24x50 SFAI FFP No. 170602	290	3y		6-24x	19-5	50	?	N O	50	1/8 moa	7.5 moa	MOA =	=MOA	FFP	D	?	30	26.7 758g	14.7" 37c	Angle Indicator
Discovery: VT-T: 6-24x50 SFVF FFP No. 170503	207 350	3y		6-24x	19-5	50	?	N O	60	0.1 mil	6 mil	MIL =	=MIL	FFP	D, N	?	30	26.1 740g	14.7" 37c	With phone adaptor
Discovery: HD: 5-25x50 SFIR DLTW FFP No. 170110	315	3y		5-25x	24-5	50		✓	60	0.1 mil	6 mil	MIL =	=MIL	FFP	D, N	?	30	27.8 788g	13.5" 34c	
Discovery: HD: 4-20x50 SFIR FFP No. 170105	260 300	3y		4-20x	?	50		✓	60	0.1 mil	6 mil	MIL =	=MIL	FFP	D, N	?	30	28.0 795g	13.2" 34c	
Nikko: Diamond FFP 30 •w/ PRR reticle No. NSFFP62450PRR •w/ Skeleton HMD reticle No. NSFFP62450HMD	300	Life, 0.Own		6-24x	19-5	50		✓	50	0.1 mil		MIL =	=MIL	FFP	D, N D, -	.05 ^{mi} .17 ^{mo}	30	24.0 680g	14.2" 36c	Locking turrets
Nikko: Diamond FFP 34 •w/ PRR reticle No. NSFFP3441644PRR •w/ Skeleton HMD reticle No. NSFFP3462450PRR	Not out yet?	Life, 0.Own		6-24x	19-5	50		✓	80	0.1 mil		MIL =	=MIL	FFP	D, N D, -	.05 ^{mi} .17 ^{mo}	34	26.5 750g	14.2" 36c	Locking turrets
Optisan: EVX, Gen. 1: 6-24X50 F1	? 500	Life		6-24x	37-9? Error?	50		N O	50	0.1 mil		MIL =	=MIL	FFP	D, (N)		30	24.3 689g		
Optisan: EVX, Gen. 1: 6-24X50 F1i	? 540	Life		6-24x	19-5	50		✓	50	0.1 mil		MIL =	=MIL	FFP	D, (N)		30	28.0 794g		
Optisan: EVX, Gen. 2: 6-24X50 F1	? 560	Life		6-24x	19-6	50	8.3-2.1	N O	50	0.1 mil	4.5 mil	MIL =	=MIL	FFP	D, (N)		30	26.5 751g		
Vector: Counterpunch: SCFF-03A	249	5y, Rec.		6-25x	19-6	56	9.2-2.4	✓	70	1/4 moa	6 mil	MOA =	=MOA	FFP	too small	?	30	32.3 917g	15.6" 40c	
Vector: Counterpunch: SCFF-03C	249	5y, Rec.		6-25x	19-5	56	9.2-2.4	✓	70	0.1 mil	6 mil	MIL =	=MIL	FFP	D	?	30	32.4 917g	15.5" 40c	
Vector: Taurus No. SCFF-14	449	Life, NoRec.		5-30x	20-3	56	11.0-1.8	✓	40	0.1 mil	6 mil	MIL =	=MIL	FFP	D, N	?	30	28.7 813g	15.6" 40c	Parallax 17y (20y stated)
Discovery: HD/34mm: 5-30x56 SFIR No. 170114	392	3y		5-30x	23-3	56		✓	50	0.1 mil	6 mil	MIL =	=MIL	FFP	D, N	?	34	27.3 774g	15.7" 40c	

				Magni. → FoV	Obj. → Eye Box	Exposed Turrets				Holdoff Reticle				Dimensions						
in 2019	Price \$: Low /// Mfctr.'s	Warranty	Springer-Rated	Magnification	FoV = Field of View @ 100y (ft)	Obj. Dia (mm)	Exit Pupil (mm) → Eyeball	IR	Max. Elev. Adjustmnt (in MOA)	1 Click =	1 T. Turn =	Turrets in:	Reticle in:	FFP- SFP (Calibration)	Enough Dots, No's	Line thickness	1" or 30mm	Weight (oz) (g)	Length (inch) (cm)	Misc. + Reviewers' "Comments"
Riton (US): Mod. 5: Gen. 2: IR FFP No. 019962523960	420 570	Life, NoRec		6-24x	17-4	50	8.2-2.1	✓	70	¼ moa	15 moa	MOA =	=MOA	FFP	D	?	30	30.0 850g	14.0" 35c	Locking turrets
Blackhound (US): 6-24x50 FFP	400	Life, Anyb.	?	6-24x	16-4	50	?	✓	70	0.1mi or ¼mo	5 mil or 15mo	MIL = or MOA =	=MIL or =MOA	FFP	D, N	?	30	27.5 780g	14.1" 36c	T Turn Counter
Athlon: Argos BTR MIL: No. 214061 MOA: No. 214060	297 445	Life, NoRec.		6-24x	17-4	50	8.2-2.1	✓ (a user reported 70)	60	0.1mi or ¼mo	5 mil or 12mo	MIL = or MOA =	=MIL or =MOA	FFP	D, N, Grid	.02 ^{mi} .07 ^{mo} .04 ^{mi} .14 ^{mo}	30	29.6 835g	14.1" 36c	T. Turn Counter "Tracks, Wide DoF, small Eye Box"
Vortex: Diamondback Tactical MIL: No. DBK-10029 MOA: No. DBK-10028	400, 300, 500	Life		6-24x	18-4	50	8.3-2.1 calculated	N O	65	0.1mi or ¼mo	6 mil or 15mo	MIL = or MOA =	=MIL or =MOA	FFP	D, N, Grid	.03 ^{mi} .12 ^{mo}	30	24.6 697g	14.3" 36c	"Repeatable Clicks" "small Eyeball"
Konus (Italy): Pro F30 No. 7297 *Demo Product	420*, 590			6-24x	16-4	52	8.3-2.2	✓	58	0.1 mil	5 mil	MIL =	=MIL	FFP	D	.04 ^{mi} OR? .05 .14 ^{mo}	30	28.6 810g	16.4" 42c	Cant Bubble Large Parallax T.
Falcon (UK): Menace No. M25B –OR– M25IR (=IR) Discontinued!	416, 538	10y, O.Own		5.5-25x	19-5	56	10.2-2.2 calculated	Ei th er	60	0.1 mil	10 mil OLD: 6 mil	MIL =	=MIL	FFP	D, N		30	32.1 910g OLD: 33.5 950g	15.9" 41c	"Tracks" T Turn Counter
Hawke: Vantage 30 WA FFP No. 14 304	589	Life, O.Own		6-24x	21-5	50	8.3-2.1	✓	57	0.1 mil		MIL =	=MIL	FFP	D	?	30	26.6 755g	14.9" 38c	
Hawke: Sidewinder 30 SF FFP No. 17 420	500, 460 ^{rib}	Life, O.Own		6-24x	17-4	56	9.0-2.0	✓	60	0.1 mil	5 mil	MIL =	=MIL	FFP	D	?	30	31.1 880g	15.9" 40c	
Athlon: Helos BTR MIL: No. 214107 MOA: No. 214106	459, 570, 712	Life, NoRec.		6-24x	17-4	50	8.2-2.1	✓	60	0.1mi or ¼mo	6 mil or 15mo	MIL = or MOA =	=MIL or =MOA	FFP	D, N, Grid	.02 ^{mi} .07 ^{mo} .04 ^{mi} .14 ^{mo}	30	29.7 842g	14.0" 36c	T. Turn Counter
Athlon: Midas TAC MIL: APRS2 Reticle: No. 213075 MILGrid: APRS3 Reticle: No. 213077 MOA: APLR4 Ret.: No. 213076	630 756 670 837 670 837	Life, NoRec.		6-24x	17-4	50	11.1-1.8	✓ (50 Windage)	85	0.1mi or ¼mo	10 mil or 25 moa	MIL = or MOA =	=MIL or =MOA	FFP	D, N, Grid D, N, Grid	.03 ^{mi} .10 ^{mo} .036 ^{mi} .12 ^{mo}	30	26.3 746g	14.6" 37c	T. Turn Counter Zero Stop Windage Capped
Vector: Taurus No. SCFF-17	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 is 10y. Locking turrets
Discovery: HD/34mm: 4-24x50 SFIR No. 170109	350	3y		4-24x	27-5	50	?	✓	83	0.1 mil	6 mil	MIL =	=MIL	FFP	D, N	?	34	23.7 776g	14.7" 37c	Parallax 15y??
Sightron: S-TAC: [FFP, MIL] No. 793139-260161	660	Life	?	4-20x	22-4	50	?	✓ (40 Windage)	80	0.1 mil	6 mil	MIL =	=MIL	FFP	D, N	.035 ^{mi} .12 ^{mo}	30	25.6 725g	15.0" 38c	T Turn Counter Zero Stop
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	
Swampfox (US): Kentucky Long	458 569	Life (50000 rounds)		4-24x	31-5	50	11.1-2.0	✓	90	0.1mi ¼mo	6 mi 15mo	MIL = or MOA =	=MIL or =MOA	FFP	D, N, Grid	?	30	28.2 800g	15.1 38c	Locking Turrets
Vector: Continental 34mm No. SCFF-29	? 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
Falcon (UK): S30 No. S3001 *S/H incl. from Cyprus	377*, 423	10y, O.Own		5-30x	24-5	56	11.2-1.9 calculated	N O	57	0.1 mil	10 mil	MIL =	=MIL	FFP	D, N	.04 ^{mi} .14 ^{mo}	30	32.5 920g	15.8" 40c	T Turn Counter
Swampfox (US): Kentucky Long	467 599	Life (50000 rounds)		5-30x	20-4	56	9.3-1.7	✓	80	0.1mi ¼mo	6 mi 15mo	MIL = or MOA =	=MIL or =MOA	FFP	D, N, Grid	?	30	31.8 902g	15.5" 39c	Parallax 15y Locking Turrets
Hi-Lux (US): Phenom 5-30x56 FFP	507 599	Life, Rec.	No	5-30x	22-4	56	10-1.2	✓	90	0.1 mil	12 mil	MIL =	=MIL	FFP	D, N, Grid	.05 ^{mi} .17 ^{mo}	34	32.0 907g	14.7" 37c	Locking Turrets
Vector: Continental 34mm No. SCFF-30	? 900	Life, NoRec.		5-30x	25-4	56	8.0-1.8	✓	86	0.1 mil	10 mil	MIL =	=MIL	FFP	D, N, Grid	?	34	28.6 810g	15.4" 39c	Locking Turrets Zero Stop