

SPECIFICATIONS



Focal plane	First	Second	Second	Second	Second	Second	Second	Second	Second	First
Objective outer diameter	30 mm	30 mm	50 mm	59 mm	59 mm	65 mm	65 mm	50 mm	65 mm	59 mm
Exit pupil diameter	1x: 7.9 mm 8x: 3.0 mm	1x: 16 mm 4x: 6.0 mm	2.5x: 15.5 mm 10x: 4.4 mm	3.5x: 14.3 mm 15x: 3.6 mm	5.5x: 9.1 mm 22x: 2.3 mm	5.5x: 10.2 mm 22x: 2.5 mm	8x: 7.0 mm 32x: 1.8 mm	3x: 10.7 mm 10x: 4.4 mm	4x: 12.0 mm 14x: 3.6 mm	4x: 10.8 mm 14x: 3.3 mm
Field of view @100 yards/100 meters	1x: 106 ft 8x: 13.2 ft 1x: 32.3 m 8x: 4.4 m	1x: 100 ft 4x: 25 ft 1x: 30.5 m 4x: 7.6 m	2.5x: 44 ft 10x: 11 ft 2.5x: 13.4 m 10x: 3.4 m	3.5x: 27.6 ft 15x: 7.3 ft 3.5x: 8.4 m 15x: 2.2 m	5.5x: 17.5 ft 22x: 4.7 ft 5.5x: 5.3 m 22x: 1.4 m	5.5x: 17.5 ft 22x: 4.7 ft 5.5x: 5.3 m 22x: 1.4 m	8x: 12.1 ft 32x: 3.1 ft 8x: 3.7 m 32x: 1 m	3x: 34.9 ft 10x: 11 ft 3x: 10.6 m 10x: 3.4 m	4x: 24.9 ft 14x: 7.3 ft 4x: 7.59 m 14x: 2.23 m	4x: 25.1 ft 14x: 7.4 ft 4x: 7.65 m 14x: 2.25 m
Eye relief (mm/inches)	95.3/3.75	90/3.5	88/3.5	99/3.9	95/3.7	99/3.9	98/3.8	88/3.46	90/3.54	80/3.15
Internal adjustment range (MOA/Mil)	e: 100 MOA w: 100 MOA e: 30 MIL-RADIAN w: 30 MIL-RADIAN	e: 100 MOA w: 100 MOA	e: 100 MOA w: 100 MOA e: 27 MIL w: 27 MIL	e: 110 MOA w: 80 MOA e: 30 MIL w: 22 MIL	e: 100 MOA w: 60 MOA e: 27 MIL w: 16 MIL	e: 100 MOA w: 60 MOA e: 27 MIL w: 16 MIL	e: 65 MOA w: 45 MOA e: 18 MIL w: 12 MIL	e: 90 MOA w: 80 MOA	e: 100 MOA w: 70 MOA	e: 90 MOA w: 70 MOA e: 27 MIL w: 19 MIL
Click value	.50 MOA .2 MIL-RADIAN	.250 MOA	.250 MOA .1 MIL-RAD	.250 MOA .1 MIL-RAD	.250 MOA .1 MIL-RAD	.250 MOA .1 MIL-RAD	.250 MOA .1 MIL-RAD	.250 MOA	.250 MOA	.250 MOA .1 MIL-RAD
Parallax adjustment	Fixed 125 m	Fixed 75 yd	25 yd-∞	50 yd-∞	50 yd-∞	50 yd-∞	50 yd-∞	25 yd-∞	25 yd-∞	25 yd-∞
Tube diameter (mm/inches)	30 mm/1.18	30 mm/1.18	30 mm/1.18	30 mm/1.18	30 mm/1.18	30 mm/1.18	30 mm/1.18	30 mm/1.18	30 mm/1.18	30 mm/1.18
Eyepiece outer diameter	40 mm	40 mm	40 mm	43 mm	43 mm	43 mm	43 mm	40 mm	43 mm	43.6 mm
Overall length (inches/mm)	8.75/222	8.8/224	11.9/302	14.7/373	15.1/384	15.2/386	15.9/404	11.6/295	14.8/376	14.8/390
Weight (ounces/grams)	17 /482	17/482	20.5/581	30 /850	31/879	32/907	34/964	20.8/590	26.9/763* 28.5/808**	30/850
Mounting length (inches/mm)	5.7/144	5.4/137	5.1/130	6.1/155	6.6/168	6.6/168	6.7/170	5.1/130	5.79/147	6.2/157
PTL (Power Throw Lever)	Standard	Standard	Standard	Accessory	Accessory	Accessory	Accessory	NA	Accessory	Accessory
Reticles available	FC-MIL FC-MOA	FC-3G™ IHR™	IHR™ MOAR™ MIL-DOT MIL-R™	MOAR™ MIL-R™ MIL-DOT	MOAR™ MOAR-T™ MIL-R™ MIL-DOT	MOAR™ MOAR-T™ MIL-R™ MIL-DOT	MOAR™ MOAR-T™ NP-2DD™ MIL-R™ MIL-DOT	Forceplex™† 4A♦ MOAR™	Forceplex™† 4A♦ MOAR™	MOAR™ (F1) MIL-R™ (F1) * Non-Illuminated ** Illuminated
Illumination	Daylight visible	External adj	DigiIllum	Analog	Analog	Analog	Analog	Non-illuminated	Optional	Analog
Elevation feature	ZeroStop	ZeroStop Optional	ZeroStop	ZeroStop	ZeroStop	ZeroStop	ZeroStop	Capped, finger-adjustable	Capped, finger-adjustable	ZeroSET



SHV™ 5-20 x 56



ATACR™ 1-8 x 24 F1



ATACR™ 4-16 x 42 F1



ATACR™ 4-16 x 50



ATACR™ 5-25 x 56



ATACR™ 5-25 x 56 F1



ATACR™ 7-35 x 56 F1



B.E.A.S.T.™ 5-25 x 56 F1



Benchrest 8-32 x 56



Benchrest 12-42 x 56



Competition™ Fixed 4.5x



Competition™ Fixed 42x



Competition™ 15-55 x 52

Second	First	First	Second	Second	First	First	First	Second	Second	Second	Second	Second
65 mm	34 mm	50 mm	59 mm	65 mm	65 mm	64 mm	65 mm	69 mm	69 mm	30 mm	53 mm	61 mm
5x: 8.7 mm	1x: 11.26 mm	4x: 10.3 mm	4x: 9.5 mm	5x: 10.52 mm	5x: 8.3 mm	7x: 6.0 mm	5x: 8.3 mm	8x: 5.6 mm	12x: 4 mm	5.3 mm	1.05 mm	15x: 3.54 mm
20x: 2.5 mm	8x: 3.19 mm	16x: 2.7 mm	16x: 3.17 mm	25x: 2.28 mm	25x: 2.3 mm	35x: 1.6 mm	25x: 2.3 mm	32x: 1.7 mm	42x: 1.4 mm			55x: .93 mm
5x: 17.9 ft	1x: 96.1 ft	4x: 26.9 ft	4x: 26.9 ft	5x: 17.96 ft	5x: 18.7 ft	7x: 14.97 ft	5x: 18.7 ft	8x: 9.4 ft	12x: 6.7 ft	23.2 ft/7.07 m	2.87 ft	15x: 6.91 ft
20x: 5.0 ft	8x: 13.1 ft	16x: 6.9 ft	16x: 6.9 ft	25x: 4.92 ft	25x: 4.9 ft	35x: 3.44 ft	25x: 4.92 ft	32x: 3.1 ft	42x: 2.3 ft		0.87 m	55x: 1.83 ft
5x: 5.46 m	1x: 29.3 m	4x: 8.1 m	4x: 8.2 m	5x: 5.47 m	5x: 5.7 m	7x: 4.96 m	5x: 5.7 m	8x: 2.9 m	12x: 2 m			15x: 2.10 m
20x: 1.52 m	8x: 4.0 m	16x: 2.1 m	16x: 2.1 m	25x: 1.5 m	25x: 1.5 m	35x: 1.05 m	25x: 1.45 m	32x: 1 m	42x: 0.7 m			55x: 0.55 m
90/3.54	95/3.74	90/3.54	89/3.5	90/3.54	90/3.54	91/3.58	90/3.54	75/2.9	75/2.9	95/3.74	88/3.46	90/3.54
e: 80 MOA	e: 30 MIL	e: 89 MOA	e: 110 MOA	e: 120 MOA	e: 120 MOA	e: 100 MOA	e: 120 MOA	e: 50 MOA	e: 40 MOA	e: 100 MOA	e: 45 MOA	e: 55 MOA
w: 50 MOA	w: 30 MIL	w: 60 MOA	w: 60 MOA	w: 60 MOA	w: 80 MOA	w: 60 MOA	w: 80 MOA	w: 50 MOA	w: 40 MOA	w: 100 MOA	w: 35 MOA	w: 50 MOA
		e: 26 MIL	e: 30 MIL	e: 35 MIL	e: 35 MIL	e: 27 MIL	e: 35 MIL					
		w: 18 MIL	w: 16.4 MIL	w: 17 MIL	w: 24 MIL	w: 17 MIL	w: 23 MIL					
.250 MOA	.1 MIL	.250 MOA	.250 MOA	.250 MOA	.250 MOA	.250 MOA	.50 and .250 MOA	.125 MOA	.125 MOA	.250 MOA	.125 MOA	.125 MOA
		.1 MIL	.1 MIL	.1 MIL	.1 MIL	.1 MIL	.2 and .1 MIL					
25 yd—∞	Fixed 125 m	45 yd—∞	45 yd—∞	45 yd—∞	45 yd—∞	11 yd—∞	45 yd—∞	25 yd—∞	25 yd—∞	Fixed 200 yd	10.9 yd—∞	25 yd—∞
30 mm/1.18	34 mm/1.34	34 mm/1.34	34 mm/1.34	34 mm/1.34	34 mm/1.34	34 mm/1.34	34 mm/1.34	30 mm/1.18	30 mm/1.18	30 mm/1.18	30 mm/1.18	30 mm/1.18
43 mm	46 mm	45 mm	45 mm	44 mm	46 mm	44 mm	46 mm	43 mm	43 mm	33 mm	43 mm	43 mm
15.2/386	10.06/256	12.6/320	13.1/333	14.3/363	15.37/390	16/406	15.37/390	16.6/422	17/432	9.9/251	15.2/386	16.2/411
29.1/825*	21/595	30/850	33.3/944	39/1108	37.6/1066	39.26/1113	40/1134	36/1021	36/1021	15.4/437	20.7/587	27.87/790
30.5/865**												
6.5/165	5.67/144	6.3/160	6.32/161	6.13/156	5.9/150	6.5/165	5.92/150	5.5/140	5.9/150	F: 79mm R: 59mm	6.2/157	6.4/162
Accessory	Standard	Standard	Standard	Standard	Standard	Standard	Standard	NA	NA	NA	NA	NA
Forceplex™†	FC-DM	MOAR™ (F1)	MOAR™	MOAR™	MOAR™ (F1)	MOAR™ (F1)	MOAR™ (F1)	NP-R2™	NP-R2™	SR-1™	CTR-2™	CTR-2™
4A♦		MIL-R™ (F1)	MIL-R™	MOAR-T™	MIL-R™ (F1)	MIL-R™ (F1)	MIL-R™ (F1)	NP-2DD™	NP-2DD™	SR-2™	CTR-3™	CTR-3™
MOAR™		MIL-C™		MIL-R™	MIL-C™	MIL-C™	H59™					DDR-2™
* Non-Illuminated		H59™		H59™	H59™	TReMoR3™	TReMoR3™					FCR-1™
** Illuminated		TReMoR3™		TReMoR3™	TReMoR3™							
Optional	Daylight visible	DigiIllum	DigiIllum	DigiIllum	DigiIllum	DigiIllum	DigiIllum	Analog	Analog	Non-illuminated	Non-illuminated	Non-illuminated
ZeroSET	Capped, finger-adjustable	ZeroHOLD	ZeroStop	ZeroStop	ZeroStop	ZeroStop	ZeroStop	Capped, finger-adjustable	Capped, finger-adjustable	ZeroStop	Finger-adjustable	ZeroStop

†North America ♦ International

Specifications subject to change without notice. Visit www.NightforceOptics.com for current information.