



SWAROVSKI
OPTIK

Z6 SERIES RIFLE SCOPES

Z6(i) 1-6x24 • Z6(i) 1-6x24 EE • Z6(i) 1.7-10x42 • Z6(i) 2-12x50
Z6(i) 2.5-15x44 • Z6(i) 2.5-15x56 • Z6(i) 3-18x50 • Z6(i) 5-30x50

The Z6 series was introduced in early 2007 and has established itself as a new benchmark in rifle scope technology. The Z6 is SWAROVSKI OPTIK'S Best. All 30mm main tubes with scratch resistant black matte finish. Available in illuminated reticle or non-illuminated versions. The 6X zoom range offers the hunter/shooter the best of both worlds between wide field of views and high magnification.



Key Features

- 6X Zoom Range. The shooter/hunter can have a very low magnification giving very wide field of views for potentially close shots and a very high magnification for a greater precision for long range shots
- Extremely wide field of views at low magnification. Longer eye relief over previous SWAROVSKI OPTIK Models. Now 3.74 inches. EE (Extended Eye) relief model available on the Z6 1-6x24 for heavy recoiling rifles and shotguns for greater safety. EE model has 4.72 inches of eye relief. All Z6 models have 2nd focal plane non magnifying reticles for greater precision of bullet placement
- High definition (HD glass) optical system is featured in Z6 2.5-15x44, Z6 2.5-15x56, Z6 3-18x50, and Z6 5-30x50
- Third turret parallax adjustment featured in Z6 2.5-15x44, Z6 2.5-15x56, Z6 3-18x50, and Z6 5-30x50
- 4 coil spring system: Best design to hold zero, absorbs shock to reverse system, dependable & accurate point of impact adjustments
- Finger adjustable turrets. Turrets have "Zero Setting" feature.
- Microstructure grooves for greatly reduced glare and improved contrast in bright sunlight
- Waterproof, even submersible down to 13 feet
- Traditional European, easy to use, fast focus ring on ocular housing
- Black matte, scratch resistance finish

Features of the Z6(i) Illuminated models (All of the features above plus):

- Ergonomic and functional illuminated feature built in to the ocular housing
- 2 intensity settings: A dim setting for low light use. A bright setting for daytime use. Both settings allow for a total of 64 brightness levels when using the brightness controls.
- High Grid technology for maximum brightness in daylight conditions
- Automatic Shut Off. If scope is inadvertently left on, the scope will automatically shut off after 3 hours in Daytime mode or after 5 hours in Twilight/Night-time mode
Memory Function. The illumination setting will return to the intensity setting it was on when turned off. Supplied with spare battery as well as spare battery compartment. The spare battery compartment is a slightly taller turret cap that can replace the standard windage turret cap.





EXPLAINING THE Z6

What does the 6 mean in a SWAROVSKI OPTIK Z6 rifle scope?

Most rifleman and hunters are familiar with variable and fixed power rifle scopes. The fixed powers are easy. A fixed 4 power magnifies everything in its field of view 4 times larger. Variable powers have a minimum power that “zooms” or “magnifies” up to a maximum power. In addition to the magnifications, many different objective lens diameters are available at any given power or power range for a variable.



Most have never thought about the parameters of variable power scopes. Probably the most popular variable power scope is the venerable 3-9. A typical model is a 3-9x36, 1-inch tube. This translates into a rifle scope with a minimum power of 3X that zooms up in power to 9X with a 36mm objective lens diameter. What many have never realized is that in this very common 1-inch main tube, whatever the minimum power is (in this case 3) the maximum power is 3 times that (in this case 9). This is known as a power or zoom factor of 3.

Along comes the 30mm main tube rifle scopes from Europe. Other than having slightly larger main tubes, a distinct advantage is in the greater range of power. A typical, popular 30mm tube rifle scope model is the 3-12x50, 3-12 magnification range with a 50mm objective lens. As is standard in a 30mm design whatever the minimum magnification is (in this case 3) the maximum magnification is 4 times that (in this case 12). This is known as a power or zoom factor of 4.

In 2007, SWAROVSKI OPTIK introduced a 30mm main tube rifle scope with power factor of 6, thus the Z6 series. Three models were first introduced; 1-6x24, 1.7-10x42 and 2-12x50. In each one of these scopes, whatever the minimum magnification is the maximum magnification is 6 times the lowest power. In 2009, the Z6(i) 2.5-15x44, 2.5-15x56, 3-18x50, 5-30x50 models were added.

What does this do for you? One of the most common dilemmas in choosing the right rifle scope for any given caliber is, “Do I get a low power variable for a large field of view for close range situations or do I get a higher power variable in case I encounter a long range shot”. In each of these cases there are compromises. With the low power variables you give up power for the longer shots. With the high power variables you give up wide field of views at the low end.

The Z6 gives you the best of both worlds! You can now have a very wide field of view at low power and great magnification at the high end. Much more versatility than was possible before!

Another significant advantage of the Z6 is a wider field of view at the low-end power. Not only is the field of view wider, there is a pleasant “full looking” field of view at all powers! There is absolutely no “like looking through a tunnel” or “like looking through a keyhole” effect!

The Z6 has a longer eye relief (than previous SWAROVSKI OPTIK models) for greater safety, 3.74 constant inches. Your eye will be further away from the ocular end of the scope during recoil. SWAROVSKI OPTIK has also developed a separate Extended Eye Relief (called the EE) model in the 1-6x24 that gives 4.72 inches of constant eye relief for heavy recoiling African game rifles or for use with slug guns (12 or 20 gauge shotguns that fire a single projectile for deer hunting – required by law in many states).

The Z6 is a new benchmark in rifle scope technology.

Z6 Field of View Comparison



The 3-9 range of magnification in rifle scopes has always been one of the most popular. This power range gives the hunter one of the best compromises in 2 areas: a wide field of view at low power for heavily wooded/brushy areas with a good high power for when that long shot presents itself. These two factors, wide field of view at low power and a high enough magnification for long shots are probably the most important considerations in a consumer's mind in choosing a rifle scope.

Z6 Technical Specs

Model	1-6x24	1-6x24 EE	1.7-10x42	2-12x50	2.5-15x44	2.5-15x56	3-18x50	5-30x50
Magnification	1-6x	1-6x	1.7-10x	2-12x	2.5-15x	2.5-15x	3-18x	5-30x
Main Tube Size (mm)	30	30	30	30	30	30	30	30
Effective Objective lens diameter (mm)	9.6-24	10.9-24	16.0-42	19.3-50	24.2-44	24-56	29.0-50	48.2-50
Exit pupil diameter (mm)	9.6-4.0	10.8-4.0	9.6-4.2	9.6-4.2	9.5-2.9	9.5-3.8	9.5-2.8	9.5-1.7
Eye relief (in)	3.74	4.72	3.74	3.74	3.74	3.74	3.74	3.74
Field of View (ft @ 100 yds)	127.5-20.4	100.5-16.2	75.6-12.6	63.0-10.5	48.0-8.1	49.5-8.1	39.9-6.6	23.7-3.9
Field of View, real (degrees)	23.8-3.9	18.9-3.1	14.3-2.4	11.8-1.95	9.2 - 1.5	9.4 - 1.5	7.6 - 1.3	23.7 - 3.9
Field of View, apparent (degrees)	23.4	18.8	23.7	23.4	23.3	23.2	22.8	4.5 - 0.75
Focal Plane Position	2	2	2	2	2	2	2	2
Dioptric compensation (dpt)	-3 to +2	-2.8 to +1.8	-3 to +2	-3 to +2	-3 to +2	-3 to +2	-3 to +2	-3 to +2
Transmission (%)	90	91	90	90	90	91	90	90
Twilight Factor acc. to DIN 58388	2.8-12	2.8-12	4.7-20.5	5.7-24.6	7.1 - 25.7	7.1 - 29	8.5 - 30	14.1 - 38.7
Impact point corr. per click (in/100 yds)	0.54	0.54	0.36	0.36	0.36	0.36	0.18*	0.18*
Max ROA Elevation/Windage (in @ 100 yds)	72	75.6	54	54	64.8	64.8	64.8	43.2
Parallax Correction	100 m**	100 m**	100 m**	100 m**	50-∞	50-∞	50-∞	50-∞
Length (in) non-illuminated	14.8	14.5	16.6	18.3	19.6	22.4	21.0	21.2
illuminated	16.2	15.9	18.0	19.8	21.0	23.8	22.4	22.6
Weight Approx. (oz) non-illuminated	14.8	14.5	16.6	18.3	19.6	22.4	21	21.2
illuminated	16.2	15.9	18	19.8	21	23.8	22.4	22.6

* Models with BT .36 in/100 yds

** BR Reticle 200 meters