

ZF 84	ZF 84
6x	10x
42 mm	42 mm
7	4.2
7	4
15.9	20.5
26 mm (1")	26 mm (1")
—	—
48 mm	48 mm
322 mm	342 mm
500 g	520 g
—	—
—	—
★	★

NOT
CENTERED
RETICLE

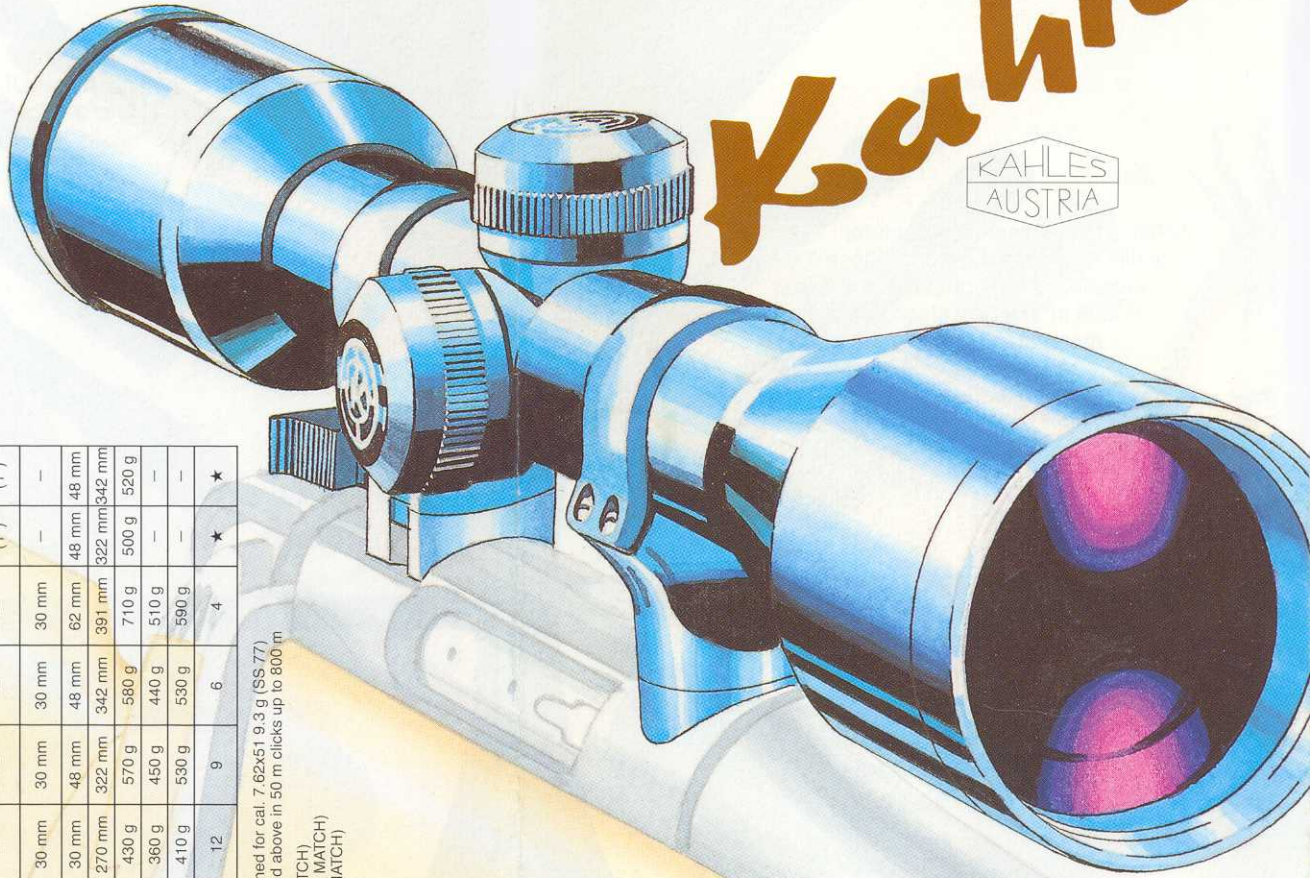
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RETICLE

	4x32	6x42	7x56	8x56	1.1-4.5x20	1.5-6x42	2.2-9x42	3-12x56	ZF 95	ZF 95
Magnification	4x	6x	7x	8x	1.1-4.5x	1.5-6x	2.2-9x	3-12x	6x	10x
Max. eff. objective dia.	32 mm	42 mm	56 mm	56 mm	20 mm	42 mm	42 mm	56 mm	42 mm	42 mm
Exit pupil dia. in mm	8	7	8	7	14.3-4.4	14.3-7	14.3-4.7	14.3-4.7	7	4.2
Field of view at 100 m in m	10	7	6	5.2	24-9	18.5-6.5	12-4.5	9-3.3	7	4
Twilight performance factor (DIN 58388)	11.3	15.9	19.8	21.1	3.1-9.5	4.2-15.9	6.2-19.4	8.5-25.9	15.9	20.5
Intermediate tube dia. Steel-Standard Helia S (in inch)	26 mm (1")	26 mm (1")	—	26 mm (1")	30 mm	—	30 mm	30 mm	26 mm (1")	26 mm (1")
Intermediate tube dia. Light alloy - Helia L	26 mm	26 mm	26 mm	26 mm	30 mm	30 mm	30 mm	30 mm	—	—
Objective lens tube dia.	38 mm	48 mm	62 mm	62 mm	30 mm	48 mm	48 mm	62 mm	48 mm	48 mm
Length of scope	290 mm	322 mm	370 mm	370 mm	270 mm	322 mm	342 mm	391 mm	322 mm	342 mm
Helia S	430 g	500 g	—	660 g	430 g	570 g	580 g	710 g	500 g	520 g
Helia L	320 g	370 g	460 g	460 g	360 g	450 g	440 g	510 g	—	—
Helia LS	—	470 g	520 g	520 g	410 g	530 g	530 g	590 g	—	—
Impact point correction per click in mm/100 m	7	6	4	4	12	9	6	4	★	★

★ Applies only to ZF 84/ZF 95. Elevation adjustment: designed for cal. 7.62x51 9.3 g (SS 77) clicks at 100, 200, 300 m and above in 50 m clicks up to 800 m

Accessories:

Kal. 7.62x51 10.9 g (HP MATCH)
Kal. 7.62x51 12.0 g (LAPUA MATCH)
Kal. 7.62x51 12.3 g (RWS MATCH)
Kal. 5.56x45 4.0 g (SS 109)



Kahles

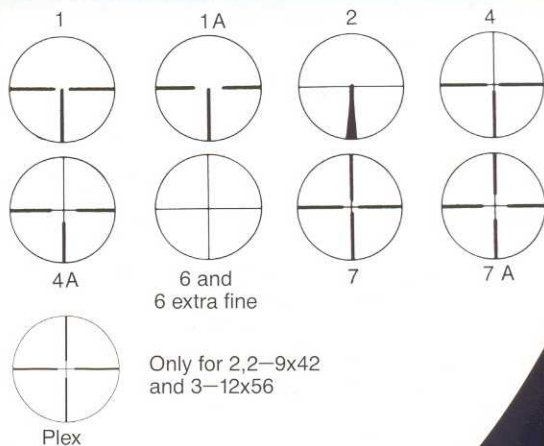
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Precise click adjustment of windage and elevation permits effortless and exact correction of shots. Clockwise adjustment moves the impact point of the bullet upwards, resp. to the right.

Centered reticle: correction of the impact point does not affect the reticle image; it remains centered in the field of view.

Kahles HELIA rifle scopes are available with the following reticles:



Only for 2,2-9x42
and 3-12x56

The space between the horizontal posts corresponds to: 70 cm at 100 m (reticles 1-4-7-Plex) 140 cm at 100 m (reticles 1A-4A-7A).

Special reticles for ZF 84/ZF 95 on request.



Kahles is the oldest manufacturer of rifle scopes in the world. Since the founding of the company in the year 1898 in Vienna Kahles has been manufacturing rifle scopes of the highest quality. Almost 100 years of experience, continual development, quality tests and quality improvements give Kahles HELIA scopes the reliability which they are known for.

Kahles rifle scopes are characterized by the following features:

- high-quality lenses with a very high light transmission
- anti-reflection multiple coating on all glass-air surfaces guarantees exceptional brilliance, a high level of illumination, and a sharply focussed and color-true image.





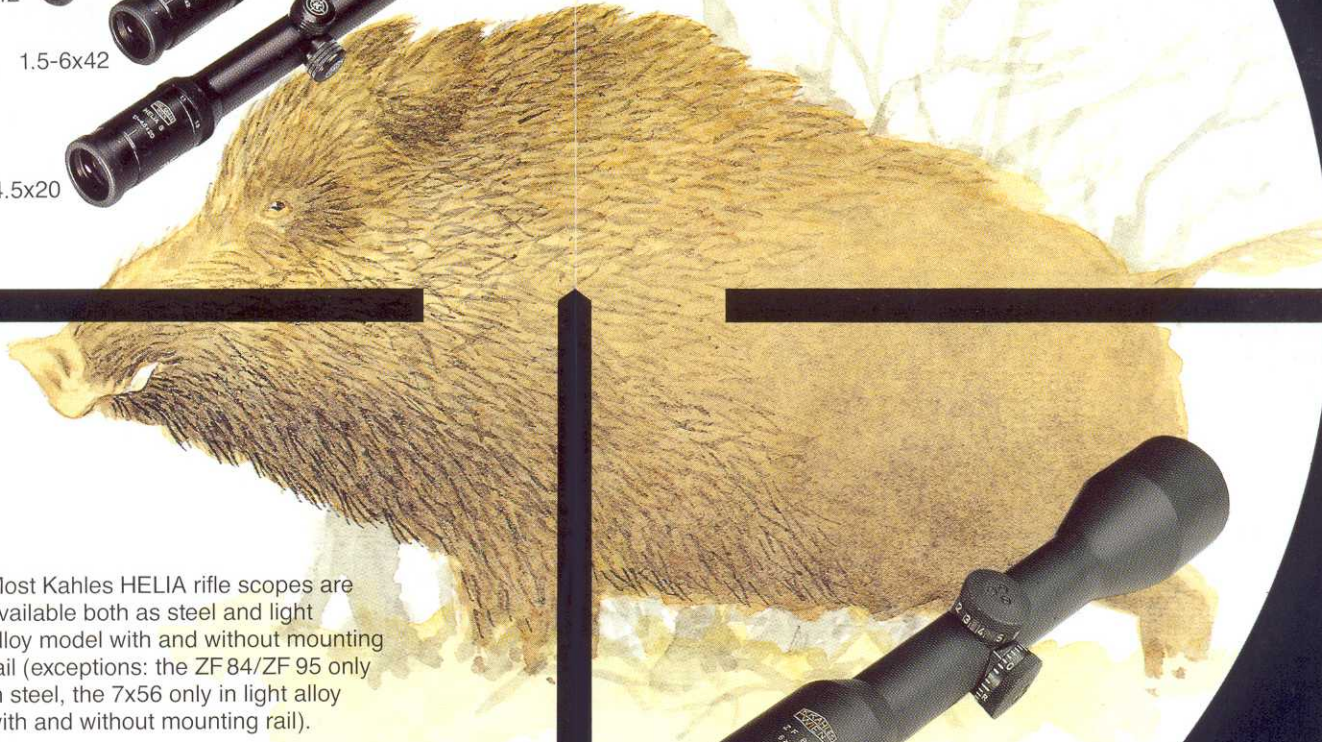
3-12x56

2.2-9x42

1.5-6x42

1.1-4.5x20

Special seals make the Kahles HELIA scopes waterproof and protect the inner lens surfaces from fogging up. The rubber eye shield on the eyepiece reduces the risk of injuries.



Most Kahles HELIA rifle scopes are available both as steel and light alloy model with and without mounting rail (exceptions: the ZF 84/ZF 95 only in steel, the 7x56 only in light alloy with and without mounting rail).

ZF 95 with centered reticle.
ZF 84 without centered reticle.



ZF 84 / ZF 95