

## Pentax Lens Compatibility Chart

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Pentax bayonet lenses labeled "SMC Pentax" are referred to as "K" lenses in the table below. Other Pentax bayonet lenses have the lens designation as a part of their name as in "SMC Pentax-FA."































































































































Note that "star" lenses work like their "non-star" counterparts: DA\* lenses work like DA lenses, FA\* like FA, F\* like F, A\* like A, and M\* like M.







































































Exceptions:

(1) FA and F "soft" lenses behave like M lenses in terms of metering.

(2) Retractable DA lenses (RE suffix) can neither autofocus nor be manually focused on camera bodies pre-dating the K10D/K100D Super.

Check this page out for more on the Pentax lens nomenclature: [Pentax lens series explained](#).

Camera Body	Mount	DA (SDM/DC only)	DA (other) DA L, DA XS	FA J D FA 100mm WR	F, FA D FA (non-WR)	A	AF	M, K
K1000, KM, KX, MX	K	 (M'   mf)	 (M'   mf)	 (M'   mf)	 (M   mf)	 (M   mf)	 (M   mf)	 (M   mf)
K2, K2DMD, ME Super, LX	K	 (M', Av'   mf)	 (M', Av'   mf)	 (M' Av'   mf)	 (M, Av   mf)	 (M, Av   mf)	 (M, Av   mf)	 (M, Av   mf)
ME, MV, MV1, MG	K	 (Av'   mf)	 (Av'   mf)	 (Av'   mf)	 (Av   mf)	 (Av   mf)	 (Av   mf)	 (Av   mf)
ME F	KF	 (M', Av' mf)	 (M', Av' mf)	 (M', Av' mf)	 (M, Av   mf)	 (M, Av   mf)	 (M, Av   af/mf)	 (M, Av   mf)
Super A, Super Program	KA	 (Tv, P   mf)	 (Tv, P   mf)	 (Tv, P   mf)	 (M, Av, Tv, P   mf)	 (M, Av, Tv, P   mf)	 (M, Av   mf)	 (M, Av   mf)
Program A, Program Plus	KA	 (P   mf)	 (P   mf)	 (P   mf)	 (M, Av, P   mf)	 (M, Av, P   mf)	 (M, Av   mf)	 (M, Av   mf)
A3, A3000	KA	 (P   mf)	 (P   mf)	 (P   mf)	 (Av, P   mf)	 (Av, P   mf)	 (Av   mf)	 (Av   mf)
P3, P30	KA	 (P   mf)	 (P   mf)	 (P   mf)	 (M, P   mf)	 (M, P   mf)	 (M mf)	 (M   mf)
P3n, P30n, P30t	KA	 (P   mf)	 (P   mf)	 (P   mf)	 (M, Av, P   mf)	 (M, Av, P   mf)	 (M, Av   mf)	 (M, Av   mf)
P5, P50	KA	 (P   mf)	 (P   mf)	 (P   mf)	 (M, Av, P   mf)	 (M, Av, P   mf)	 (M, Av   mf)	 (M, Av   mf)
SFX, SF1, SF7, SF10, SFXn, SF1n	KAF	 (Tv, P   mf)	 (Tv, P   af/mf)	 (Tv, P   af/mf)	 (M, Av, Tv, P   af/mf)	 (M, Av, Tv, P   mf)	 (M, Av   mf)	 (M, Av   mf)
Z-1p, PZ-1p, Z-1, PZ-1	KAF2	 (M, Av, Tv, P   mf)	 (M, Av, Tv, P   af/mf)	 (M, Av, Tv, P   af/mf)	 (M, Av, Tv, P   af/mf)	 (M, Av, Tv, P   mf)	 (M, Av   mf)	 (M, Av   mf)
Z-5p, Z-5	KAF2	 (M, Av, P   mf)	 (M, Av, P   af/mf)	 (M, Av, P   af/mf)	 (M, Av, P   af/mf)	 (M, Av, P   mf)	 (M, Av   mf)	 (M, Av   mf)
Z-10, PZ-10	KAF2	 (M, P   mf)	 (M, P   af/mf)	 (M, P   af/mf)	 (M, P   af/mf)	 (M, P   mf)	 (M mf)	 (M mf)
Z-20, PZ-20, Z-50p, Z-70, PZ-70	KAF2	 (M, Av, Tv, P   mf)	 (M, Av, Tv, P   af/mf)	 (M, Av, Tv, P   af/mf)	 (M, Av, Tv, P   af/mf)	 (M, Av, Tv, P   mf)	 (M, Av   mf)	 (M, Av   mf)
MZ-S	KAF2	 (Tv, P   mf)	 (Tv, P   af/mf)	 (Tv, P   af/mf)	 (M, Av, Tv, P   af/mf)	 (M, Av, Tv, P   mf)	 (M, Av   mf)	 (M, Av   mf)
MZ-M, ZX-M	KA2	 (Tv, P   mf)	 (Tv, P   mf)	 (Tv, P   mf)	 (M, Av, Tv, P   mf)	 (M, Av, Tv, P   mf)	 (M, Av   mf)	 (M, Av   mf)
MZ-3, MZ-5, ZX-5, MZ-5n, ZX-5n, MZ-10, ZX-10	KAF2	 (Tv, P   mf)	 (Tv, P   af/mf)	 (Tv, P   af/mf)	 (M, Av, Tv, P   af/mf)	 (M, Av, Tv, P   mf)	 (M, Av   mf)	 (M, Av   mf)

MZ-6, MZ-L, ZX-L, MZ-7, ZX-7	KAF	 (M, Av, Tv, P   mf)	 (M, Av, Tv, P   af/mf)	 (M, Av, Tv, P   af/mf)	 (M, Av, Tv, P   af/mf)	 (M, Av, Tv, P   mf)	 (M, Av   mf)	 (M, Av   mf)
MZ-30, ZX-30	Crippled KAF	 (M, Av, Tv, P   mf)	 (M, Av, Tv, P   af/mf)	 (M, Av, Tv, P   af/mf)	 (M, Av, Tv, P   af/mf)	 (M, Av, Tv, P   mf)	 (M", Av", Tv"   mf)	 (M", Av", Tv"   mf)
MZ-50, ZX-50	Crippled KAF	 (M, Av, Tv, P   mf)	 (M, Av, Tv, P   af/mf)	 (M, Av, Tv, P   af/mf)	 (M, Av, Tv, P   af/mf)	 (M, Av, Tv, P   mf)	 (M", Av", Tv"   mf)	 (M", Av", Tv"   mf)
MZ-60, ZX-60	Crippled KAF	 (M, Av, Tv, P   mf)	 (M, Av, Tv, P   af/mf)	 (M, Av, Tv, P   af/mf)	 (M, Av, Tv, P   af/mf)	 (M, Av, Tv, Sv, P   mf)	 (M", Av", Tv"   mf)	 (M", Av", Tv"   mf)
*ist	Crippled KAF	 (M, Av, Tv, P   mf)	 (M, Av, Tv, P   af/mf)	 (M, Av, Tv, P   af/mf)	 (M, Av, Tv, P   af/mf)	 (M, Av, Tv, P   mf)	 (M", Av"   mf)	 (M", Av"   mf)
*ist D series, K100D, K110D	Crippled KAF2	 (M, Av, Tv, P   mf)	 (M, Av, Tv, P   af/mf)	 (M, Av, Tv, P   af/mf)	 (M, Av, Tv, P   af/mf)	 (M, Av, Tv, P   mf)	 (M"', Av   mf)	 (M"', Av   mf)
K100D Super, K200D	Crippled KAF2	 (M, Av, Tv, P   af/mf)	 (M, Av, Tv, P   af/mf)	 (M, Av, Tv, P   af/mf)	 (M, Av, Tv, P   af/mf)	 (M, Av, Tv, P   mf)	 (M"', Av   mf)	 (M"', Av   mf)
K-m, K2000, K-x, K-r	Crippled KAF2	 (M, Av, Tv, Sv, P   af/mf)	 (M, Av, Tv, Sv, P   af/mf)	 (M, Av, Tv, Sv, P   af/mf)	 (M, Av, Tv, Sv, P   af/mf)	 (M, Av, Tv, Sv, P   mf)	 (M"', Av   mf)	 (M"', Av   mf)
K10D, K20D, K-7, K-5, K-3 K-30, K-50, K-S1, K-S2	Crippled KAF2	 (M, TAv, Av, Tv, Sv, P   af/mf)	 (M, TAv, Av, Tv, Sv, P   af/mf)	 (M, TAv, Av, Tv, Sv, P   af/mf)	 (M, TAv, Av, Tv, Sv, P   af/mf)	 (M, TAv, Av, Tv, Sv, P   mf)	 (M"', Av   mf)	 (M"', Av   mf)
K-01	Crippled KAF2	 (M, Av, Tv, Sv, P   af/mf)	 (M, Av, Tv, Sv, P   af/mf)	 (M, Av, Tv, Sv, P   af/mf)	 (M, Av, Tv, Sv, P   af/mf)	 (M, Av, Tv, Sv, P   mf)	 (M"', Av   mf)	 (M"', Av   mf)

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#### Legend



The lens/body combination works.



The lens/body combination works with limitations in metering.



Not Recommended. The image formed by the lens does not cover the full 24x36 frame resulting in vignetting (dark corners). Exceptions: Some users report that the DA 40mm does cover the full frame and that some DA zooms at least at some focal lengths also cover the full frame.



Not Recommended. While the lens does fit the body, the lens will always stop down to its smallest aperture during exposure (for example f/22), which limits practical shooting. DA lenses will furthermore produce vignetting as explained above.



Although the lens fits the body, it cannot be used: The shutter will not fire.

#### Exposure Modes-

M Manual exposure, you set shutter speed and aperture. Camera's exposure meter will indicate when the setting is correct.

M' Crippled manual exposure, you set shutter speed, lens will always stop down to its smallest aperture during exposure. Camera's exposure meter will indicate when the setting is correct.

M" Manual exposure without light meter.

M''' Manual exposure with stop down metering. You set the aperture on the lens, press the green button/AE-L button which stops down the lens and sets the shutter speed as per the metered value.

Av Automatic exposure, you set the aperture, the camera sets the shutter speed

Av' Automatic exposure, the camera sets the shutter speed, the lens is always at its smallest aperture.

Av'' Automatic exposure, the camera sets the shutter speed, the lens is always at its widest aperture.

Sv Automatic exposure, you set the ISO, the camera sets the shutter and aperture, only on the K10D

TAv Automatic Exposure, you set the shutter speed and aperture while the camera automatically sets ISO, only on the K10D

Tv Automatic exposure, you set the shutter speed, the camera sets the aperture

Tv'' Correct exposure may not be obtained, since the lens is always set at its widest aperture.

P Automatic exposure, the camera sets shutter speed and aperture. On some bodies more than one program line or a number of "Picture Modes" can be selected.

## Focus types-

af: Autofocus

mf: Manual focus

## Mounts-

K: The original Pentax bayonet mount. Allows for manual and Av exposure modes (if the camera body supports this). The lens communicates to the body how many stops the aperture ring is stopped down.

KF: K mount with electrical contacts for the smc Pentax-AF 35-70mm f/2.8 autofocus lens. The autofocus motor is built into the lens. This mount was soon discontinued. Next generation autofocus lenses (F, FA D FA, FA J, DA, DA L) do not provide autofocus with this mount.

KA: This mount allows for all exposure modes (P, Av, Tv and M). These modes are available to the extent the camera/lens combination supports it. This is like a K mount with electrical contacts, so that the camera can detect the largest aperture and the range of apertures of the lens.

KAF: Provides autofocus and supports all exposure modes (P, Av, Tv and M) to the extent the camera/lens combination supports it. It is like a KA mount with a drive shaft for autofocus and with an additional electrical contact allowing the camera to read detailed information from the lens (focal length, actual f/stop, and more).

Crippled KAF: This is a KAF mount without the coupler which indicates how far the lens is stopped down.

KAF2: Provides autofocus and all exposure modes (P, Av, Tv and M) to the extent the camera/lens combination supports it. Provides power zoom and MTF program mode which sets priority on optimum sharpness of the lens. It's like a KAF mount with two extra electrical contacts for the power zoom. The power zoom contacts also power the focus motor built into DA lenses with SDM or DC autofocus capability.

Crippled KAF2: This is a KAF2 mount without the coupler which indicates how far the lens is stopped down. The \*ist, \*istD series, and the K100D and K110D mounts additionally lack the power zoom contacts.

KAF3: This is a crippled KAF2 mount without the autofocus drive shaft. Lenses with the KAF3 mount will only autofocus on camera bodies with support for SDM and DC autofocus.

Note that not all bodies with KAF2 mounts support all of the functions of a power zoom. Most bodies support just zooming and lens retraction, but not the advanced functions like zoom clipping, etc.

Regarding cameras with scene exposure modes: These modes are supported wherever support for P mode is indicated.