

## Pentax Camera Body and Lens Compatibility Chart

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Pentax bayonet lenses labeled "smc Pentax" are called "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"

Remember that FA\* works like FA, F\* works like F, A\* works like A, and M\* works like M.

Exceptions: FA and F "soft" lenses behave like M lenses.

The DA limited 40mm pancake lens works on bodies that support FA-J lenses because it is optically identical to the M pancake.

Camera Body		Lens compatibility					
Name	Mount	DA	FA J	F, FA, D FA	A	AF	M, K
K1000, KM, KX, MX	K	No	NR	Yes	Yes	Yes	Yes
			M'	M	M	M	M
K2, ME Super, LX	K	No	NR	Yes	Yes	Yes	Yes
			M', Av'	M, Av	M, Av	M, Av	M, Av
ME, MV, MV1, MG	K	No	NR	Yes	Yes	Yes	Yes
			Av'	Av	Av	Av	Av
ME F	KF	No	NR	Yes	Yes	Yes	Yes
			M'	M, Av	M, Av	M, Av, af	M, Av
Super A, Super Program	KA	No	Yes	Yes	Yes	Yes	Yes
			Tv, P	M, Av, Tv, P	M, Av, Tv, P	M, Av	M, Av
Program A, Program Plus	KA	No	Yes	Yes	Yes	Yes	Yes
			P	M, Av, P	M, Av, P	M, Av	M, Av
A3, A3000	KA	No	Yes	Yes	Yes	Yes	Yes
			P	Av, P	Av, P	Av	Av
P3, P30	KA	No	Yes	Yes	Yes	Yes	Yes
			P	M, P	M, P	M	M
P3n, P30n, P30t	KA	No	Yes	Yes	Yes	Yes	Yes
			P	M, Av, P	M, Av, P	M, Av	M, Av
P5, P50	KA	No	Yes	Yes	Yes	Yes	Yes
			P	M, Av, P	M, Av, P	M, Av	M, Av
SFX, SF1, SF7, SF10, SFXn, SF1n	KAF	No	Yes	Yes	Yes	Yes	Yes
			Tv, P	M, Av, Tv, P	M, Av, Tv, P	M, Av	M, Av
Z-1p/PZ-1p, Z-1/PZ-1	KAF2	No	Yes	Yes	Yes	Yes	Yes
			M, Av, Tv, P	M, Av, Tv, P	M, Av, Tv, P	M, Av	M, Av
Z-5p, Z-5	KAF2	No	Yes	Yes	Yes	Yes	Yes
			M, Av, P	M, Av, P	M, Av, P	M, Av	M, Av
Z-10/PZ-10	KAF2	No	Yes	Yes	Yes	Yes	Yes
			M, P	M, P	M, P	M	M

Z-20/PZ-20, Z-50p, Z-70/PZ-70	KAF2	No	Yes	Yes	Yes	Yes	Yes
			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	No	Yes	Yes	Yes	Yes	Yes
			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	No	Yes	Yes	Yes	Yes	Yes
			Tv, P mf	M, Av, Tv, P mf	M, Av, Tv, P mf	M, Av mf	M, Av mf
MZ-5/ZX-5, MZ-5n/ZX-5n MZ-10/ZX-10	KAF2	No	Yes	Yes	Yes	Yes	Yes
			Tv, P af, mf	M, Av, Tv, P af, mf	M, Av, Tv, P mf	M, Av mf	M, Av mf
MZ-6/ZX-L, MZ-7/ZX-7	KAF	No	Yes	Yes	Yes	Yes	Yes
			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 MZ-50/ZX-50	crippled KAF	No	Yes	Yes	Yes	No	No
			M, Av, Tv, P af, mf	M, Av, Tv, P af, mf	M, Av, Tv, P mf		
MZ-60/ZX-60	crippled KAF	No	Yes	Yes	No	No	No
			M, Av, Tv, P af, mf	M, Av, Tv, P af, mf			
*ist	crippled KAF	No	Yes	Yes	Yes	Yes	Yes
			M, Av, Tv, P af, mf	M, Av, Tv, P af, mf	M, Av, Tv, P mf	Av", M"	Av", M"
*ist D series K100D, K110D	crippled KAF2	Yes	Yes	Yes	Yes	Yes	Yes
			M, Av, Tv, P af, mf	M, Av, Tv, P af, mf	M, Av, Tv, P af, mf	M, Av, Tv, P mf	Av, M mf
K10D	crippled KAF2	Yes	Yes	Yes	Yes	Yes	Yes
			M, Av, Sv, Tv, TVa, P af, mf	M, Av, Sv, Tv, TVa, P af, mf	M, Av, Sv, Tv, TVa, P af, mf	M, Av, Sv, Tv, TVa, P mf	Av, M mf

### Legend-

- Yes                    The lens/body combination works
- NR                    Not Recommended. While the lens does fit the body, the lens will always be set at its smallest aperture (for example f/32) and is therefore useless for practical picture taking.
- No                    Although the lens fits the body it will neither work nor be useable.
- Regarding a DA lens attached to a film body: The lens will function like an FA J lens, but the image formed by the lens does not cover the full 24 x 36 frame. Exception: Tests show that the DA 40mm Limited covers the full 24 x 36 frame and hence can be used as an FA J lens on a film camera.
- Regarding K, M, and AF lenses on certain MZ/ZX bodies: The shutter will not fire.
- 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 is always at its smallest aperture. Camera's exposure meter will indicate when the setting is correct.
- M"                    Manual exposure without light meter.
- 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 largest aperture.

Sv	Automatic exposure, you set the ISO, the camera sets the shutter and aperture.
TAv	TAv Automatic Exposure, you set the shutter speed and aperture while the camera automatically sets ISO.
Tv	Automatic exposure, you set the shutter speed, the camera sets the aperture
P	Automatic exposure, the camera sets shutter speed and aperture. On some bodies more than one program line or "Picture Mode" can be selected.

**Focus modes:**

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) doesn't provide autofocus with this mount.
KA	This mount allows for all exposure modes P, Av, Tv and M (to the extent the camera body 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 all exposure modes P, Av, Tv and M (to the extent the camera body 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 (its focal length, actual f/stop, and more).
crippled KAF	Provides autofocus and all exposure modes P, Av, Tv and M (to the extent the camera body supports it). This is a "crippled" KAF mount; it lacks the coupler which tells how far the lens is stopped down.
KAF2	Provides autofocus and all exposure modes P, Av, Tv and M (to the extent the camera body supports it). Provides power zoom and program mode which sets priority on optimum sharpness of the lens. Is like a KAF mount with two extra electrical contacts for the power zoom.
crippled KAF2	Provides autofocus and all exposure modes P, Av, Tv and M (to the extent the camera body supports it). It also supports program mode which sets priority on optimum sharpness of the lens. This is a "crippled" KAF2 mount; it lacks the coupler which tells how far the lens is stopped down. The *ist, *istD series, and the K100D and K110D also lack the power zoom contacts.
KA2	No autofocus but all exposure modes P, Av, Tv and M (to the extent the camera body supports it). It is a KAF mount without the autofocus drive shaft.

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