

FFD as of 10/2018

FFD for Canon, Nikon F & Z, Sony and Leica. Lens possibilities for DSLR use on Arca-Swiss Universalis, MF2, Monolith, or Fline.

This info is to let you understand the lens compatibility for DSLR use on view cameras such as the Arca-Swiss Universalis and MF Two DSLR.

Minimum NET FFD REQUIRED FOR SOME CAMERAS:

Nikon F 46.5mm from lens mount (flange) to sensor

Nikon Z 16mm from lens mount (flange) to sensor

Canon EF and EFS 44mm from lens mount (flange) to sensor

Leica M 27.8mm from lens mount (flange) to sensor

Sony A7 series 19.6mm from lens mount (flange) to sensor

Pentax K series. 45.5mm from lens mount (flange) to sensor

Hasselblad 500 and 2000 series 74.9mm from lens mount (flange) to sensor

Hasselblad H 61.63mm from lens mount (flange) to sensor

Fuji GFX MF camera 26.7 from lens mount to to sensor.

Contax 645 64mm from lens mount (flange) to sensor

Mamiya 645 63.30 from lens mount (flange) to sensor

Pentax 645 70.87mm from lens mount (flange) to sensor

Leica S 53mm from lens mount to sensor

You need to know the flange focal distance for the lens,(FFD), less the flange distance to end of rear group.

Compare and subtract this from body/mirror box/lens mount depth of body, shown above, of lens at infinity.

The net number calculated for your lens, must be greater than the Net FFD, listed above, for your camera.

Some examples:

23mm Rodenstock Apo-Digaron S FFD: Will not Work

28mm Rodenstock Apo-Digaron S FFD: Will not Work

28mm 5.6 L Schneider Super digital FFD: 35.2 Flange to end of lens 20.5 yielding 14.70 Will not work!

28mm 2.8 Schneider Apo-Digital L FFD: 67.7 Flange to lens end 18.4 yielding 49.30 OK for Sony and Canon EF & R, and Nikon Z

**Gets physically so close to Nikon F it is not really useable at infinity with movements.

Note: Lots of lateral chromatic aberrations when moved, unfortunately...

32mm Rodenstock Apo-Digaron W FFD: 69.2mm. Flange to lens end 46.9mm yielding 22.3mm OK for Sony* & Nikon Z, Canon R

35mm Rodenstock HR-Digaron S F4.0 only FFD: 34.8mm. Flange to lens end 10.5mm yielding 24.3mm OK for Sony* & Nikon Z, Canon R

35mm Rodenstock Apo-Sironar Digital F4.5 FFD: 43.2mm. Flange to lens end 24.7mm yielding 18.5mm OK for Nikon Z

35mm Schneider Apo-Digital XL FFD: 39.4mm. Flange to lens end 17.4mm yielding 22mm OK for Sony* & Nikon Z, Canon R

40mm Rodenstock Apo-Digaron W FFD: 69.5mm. Flange to lens end 44.4mm yielding 25.1mm OK for Sony * & Nikon Z, Canon R

43mm Schneider Apo-Digital XL FFD: 48.9mm. Flange to lens end 21.9mm yielding 27mm OK for Sony A7, Canon R, Nikon F & Z, Leica M

45mm Rodenstock Apo -Sironar Digital FFD: 55.5 Flange to lens end 30mm yielding 25.5 OK for Sony A7, Leica M & Nikon Z

47mm Schneider Apo-Digitar XL FFD: 52.3. Flange to lens end 22mm yielding 30.3mm OK for Sony A7, Leica M, Fuji GFX & Nikon Z

50mm Apo-Digaron W FFD:76mm. Flange to lens end 44.3mm yielding 31.7mm OK for Sony A7, Leica M, Nikon Z and Fuji GFX

55mm Apo-Sironar Digital FFD: 67.6. Flange to lens end 32mm yielding 35.6 OK for Sony, Leica M, Nikon Z & Fuji GFX

60mm 5.6 Schneider Apo-Digitar FFD: 67.3 Flange to lens end 40.9mm yielding 26.4mm OK for Sony & Nikon Z

60mm 4.0 Schneider Apo-Digitar N FFD: 52.9 Flange to lens end 12.8mm yielding 40.1mm OK for Sony, Nikon Z & Fuji GFX

60mm 4.0 Rodenstock Apo-Digaron S FFD: 64.3 Flange to lens end 24mm yielding 40.3mm OK for Sony, Leica M, Nikon Z or GFX

70mm Rodenstock Apo-Digaron FFD: 72.7mm. Flange to lens end 23.6mm yielding 49.1mm OK for Sony, Nikon Z & Fuji GFX.

72mm Schneider Apo-Digitar FFD: 68.4mm. Flange to lens end 9.8mm yielding 58.6mm OK for Sony, Nikon F & Z, Canon, Leica M and Fuji GFX, Leica S

90mm Rodenstock HR SW FFD: 109.4 Flange to Lens end 42.7 yielding 66.7 OK for Leica S, Fuji GFX, and all FF mirrorless bodies

Longer LF(Large Format) and MF (Medium Format)digital lenses should have no problems.

* These focal length and particular design, lenses will work on small view cameras designed for mounting the above mentioned brands to work with DSLRs.

But please be careful, as you will be moving the glass surfaces very close to the metal of the mounts, especially when focus is at infinity. Be gentle...

Pentax 6x7, Hasselblad 500 or V series lenses CF with Manual aperture control will work.

Pentax 645 Lenses with manual aperture rings, are also an option for some small view cameras.