

CF125HA

Working Distance [mm]	Optical Magnification	Extension Ring [mm]	Field of View [mm]											
			1°		1/1.2°		2/3°		1/1.5°		1/2°			
			H	V	H	V	H	V	H	V	H	V		
1000	0.013x	-	1023.1	768.3	858.2	642.7	703.9	526.9	568.7	425.8	510.8	382.5		
950	0.013x	-	973.1	730.7	818.2	611.3	669.5	501.1	540.8	404.9	485.8	363.7		
900	0.014x	-	923.1	693.1	774.2	579.8	635.0	475.2	513.0	384.0	460.7	345.0		
850	0.015x	-	873.1	655.5	732.2	548.3	600.5	449.4	485.1	363.1	435.7	326.2		
800	0.016x	-	823.0	617.8	690.2	516.8	566.0	423.6	457.2	342.3	410.7	307.5		
750	0.017x	-	773.0	580.2	648.2	485.3	531.6	397.8	429.4	321.4	385.6	288.7		
700	0.018x	-	723.0	542.6	606.2	453.8	497.1	372.0	401.5	300.5	360.6	270.0		
650	0.019x	-	673.0	505.0	564.2	422.3	462.6	346.1	373.6	278.7	335.6	251.2		
600	0.021x	-	623.0	467.4	522.2	390.8	428.1	320.3	345.8	258.8	310.5	232.5		
550	0.023x	-	573.0	429.7	480.2	359.3	393.6	294.5	317.9	237.9	285.5	213.7		
500	0.025x	-	522.9	392.1	438.2	327.9	359.1	268.7	290.0	217.0	260.5	195.0		
450	0.027x	-	472.9	354.5	396.1	296.4	324.7	242.8	262.1	196.2	235.4	176.2		
400	0.031x	-	422.9	316.8	354.1	264.9	290.2	217.0	234.3	175.3	210.4	157.5		
350	0.035x	-	372.8	279.2	312.1	233.4	255.7	191.2	206.4	154.4	185.3	138.7		
300	0.040x	-	322.8	241.5	270.1	201.8	221.2	165.3	178.5	135.3	160.3	119.9		
250	0.048x	-	272.7	203.9	228.0	170.3	186.6	139.5	150.6	112.6	135.2	101.2		
200	0.058x	-	222.6	166.2	185.9	138.8	152.1	113.6	122.7	91.7	110.1	82.4		
150	0.076x	-	172.3	128.4	143.8	107.2	117.5	87.7	94.7	70.8	85.0	63.6		
100	0.108x	-	122.0	80.6	101.5	75.5	82.8	61.8	66.7	49.8	59.9	44.7		

CF16HA

Working Distance [mm]	Optical Magnification	Extension Ring [mm]	Field of View [mm]											
			1°		1/1.2°		2/3°		1/1.5°		1/2°			
			H	V	H	V	H	V	H	V	H	V		
1000	0.016x	-	805.1	605.3	675.6	506.9	554.9	416.0	448.8	336.5	403.4	302.4		
950	0.017x	-	766.1	575.9	642.8	482.3	527.9	395.8	427.0	320.1	383.8	287.7		
900	0.018x	-	727.1	546.5	610.0	457.7	501.0	375.6	405.2	303.7	364.2	273.0		
850	0.019x	-	688.0	517.1	577.2	433.0	474.0	355.3	383.4	287.4	344.5	258.3		
800	0.020x	-	649.0	487.7	544.4	408.4	447.0	335.1	361.6	271.0	324.9	243.6		
750	0.021x	-	610.0	458.3	511.7	383.7	420.1	314.9	339.7	254.6	305.3	228.8		
700	0.022x	-	570.9	428.9	478.9	359.1	393.1	294.6	317.9	238.3	285.7	214.1		
650	0.024x	-	531.9	399.5	446.1	334.5	366.2	274.4	296.1	221.9	266.1	199.4		
600	0.026x	-	492.9	370.1	413.3	309.8	339.2	254.2	274.3	205.5	246.5	184.7		
550	0.028x	-	453.8	340.7	380.4	285.2	312.2	233.9	252.4	189.2	226.8	170.0		
500	0.031x	-	414.8	311.3	347.6	260.5	285.3	213.7	230.6	172.2	207.2	155.3		
450	0.034x	-	375.7	281.9	314.8	235.9	258.3	193.5	208.8	158.4	187.6	140.6		
400	0.038x	-	336.7	252.4	282.0	211.2	231.3	173.2	186.9	140.0	168.0	125.8		
350	0.043x	-	297.6	223.0	249.2	186.6	204.3	153.0	165.1	123.7	148.3	111.1		
300	0.050x	-	258.5	193.6	216.3	161.9	177.3	132.7	143.2	107.3	128.7	96.4		
250	0.059x	-	219.4	164.1	183.5	137.2	150.3	112.4	121.4	90.9	109.0	81.6		
200	0.072x	-	180.2	134.6	150.5	112.5	123.2	92.2	99.5	74.5	89.3	66.9		
150	0.092x	-	140.9	105.0	117.6	87.7	96.1	71.8	77.6	58.0	69.6	52.1		
100	0.129x	-	101.5	75.3	84.4	62.8	68.9	51.4	55.5	41.5	49.8	37.3		

CF25HA

Working Distance [mm]	Optical Magnification	Extension Ring [mm]	Field of View [mm]											
			1°		1/1.2°		2/3°		1/1.5°		1/2°			
			H	V	H	V	H	V	H	V	H	V		
1000	0.023x	-	551.0	413.0	461.4	345.6	378.4	283.4	305.9	229.2	274.8	205.9		
950	0.025x	-	524.3	392.9	439.0	328.8	360.0	269.7	291.0	218.0	261.5	195.9		
900	0.026x	-	497.5	372.9	416.6	312.0	341.7	255.9	278.1	206.9	243.1	185.9		
850	0.027x	-	470.8	352.8	394.2	295.2	323.3	242.1	261.3	195.7	234.7	175.9		
800	0.029x	-	444.1	332.8	371.8	279.4	304.9	228.3	246.4	184.5	221.4	165.9		
750	0.031x	-	417.4	312.7	349.4	261.6	286.5	214.6	231.5	173.5	208.0	155.9		
700	0.033x	-	390.6	292.6	327.0	244.8	268.1	200.8	216.7	162.3	194.7	145.9		
650	0.035x	-	363.9	272.6	304.6	228.0	249.7	187.0	201.8	151.2	181.3	135.8		
600	0.038x	-	337.2	252.5	282.2	211.2	231.3	173.2	186.9	140.0	167.9	125.8		
550	0.042x	-	310.4	232.5	259.8	194.4	213.0	159.4	172.1	128.9	154.6	115.8		
500	0.045x	-	283.7	212.4	237.4	177.7	194.6	145.7	157.2	117.7	141.2	105.8		
450	0.050x	-	257.0	192.3	215.0	160.9	176.2	131.9	142.3	106.6	127.9	95.8		
400	0.056x	-	230.2	172.3	192.6	144.1	157.8	118.1	127.5	95.5	114.5	85.8		
350	0.063x	-	203.5	152.2	170.2	127.3	139.4	104.3	112.6	84.3	101.1	75.8		
300	0.073x	-	176.8	132.1	147.8	110.5	121.0	90.6	97.7	73.2	87.8	65.8		
250	0.086x	-	150.0	112.1	125.3	93.7	102.6	76.8	82.9	62.0	74.4	55.7		
200	0.105x	-	123.3	92.0	102.9	76.9	84.2	63.0	68.0	50.9	61.1	45.7		
150	0.135x	-	96.5	71.9	80.5	60.1	65.9	49.2	53.1	39.8	47.7	35.7		
100	0.187x	-	69.8	51.9	58.1	43.3	47.5	35.4	38.3	28.6	34.3	25.7		

CF35HA

Working Distance [mm]	Optical Magnification	Extension Ring [mm]	Field of View [mm]											
			1°		1/1.2°		2/3°		1/1.5°		1/2°			
			H	V	H	V	H	V	H	V	H	V		
1000	0.035x	-	362.6	271.8	303.6	227.6	249.2	186.8	201.6	151.2	181.2	135.9		
950	0.037x	-	344.7	258.4	288.6	216.4	236.9	177.6	191.6	143.7	172.2	129.2		
900	0.039x	-	326.9	245.0	273.6	205.2	226.6	168.4	181.7	136.2	163.3	122.4		
850	0.041x	-	309.0	231.6	258.7	193.9	212.3	159.2	171.7	129.8	154.3	115.7		
800	0.044x	-	291.1	218.2	243.7	182.7	200.0	149.9	161.8	121.3	145.4	109.0		
750	0.047x	-	273.3	204.8	228.7	171.4	187.7	140.7	151.8	113.8	138.4	102.3		
700	0.050x	-	255.4	191.4	213.7	160.2	175.4	131.5	141.8	106.4	127.5	95.6		
650	0.054x	-	237.5	177.9	198.8	149.0	163.1	122.2	131.9	98.9	118.5	88.9		
600	0.058x	-	219.6	164.5	183.8	137.7	150.8	113.0	121.9	91.4	109.6	82.2		
550	0.064x	-	201.8	151.1	168.8	126.5	138.5	103.8	112.0	83.9	100.6	75.4		
500	0.070x	-	183.9	137.7	153.8	115.2	126.2	94.6	102.0	76.5	91.7	68.7		
450	0.077x	-	166.0	124.3	138.8	104.0	113.9	85.3	92.1	69.0	82.7	62.0		
400	0.087x	-	148.1	110.8	123.9	92.7	101.6	76.1	82.1	61.5	73.8	55.3		
350	0.099x	-	130.2	97.4	108.9	81.5	89.2	66.9	72.1	54.1	64.8	48.6		
300	0.115x	-	112.3	84.0	93.9	70.3	76.9	57.6	62.2	46.6	55.9	41.9		
250	0.137x	-	84.4	70.5	78.9	59.0	64.6	48.4	52.2	39.1	46.9	35.2		
200	0.169x	-	76.5	57.1	63.8	47.7	52.3	39.2	42.3	31.7	38.0	28.4		
150	0.221x	2	58.5	43.6	48.8	36.5	40.0	29.9	32.3	24.2	29.0	21.7		
100	0.321x	10	40.5	30.2	33.7	25.2	27.6	20.7	22.3	16.7	20.0	15.0		

CF50HA

Working Distance [mm]	Optical Magnification	Extension Ring [mm]	Field of View [mm]											
			1°		1/1.2°		2/3°		1/1.5°		1/2°			
			H	V	H	V	H	V	H	V	H	V		
1500	0.034x	-	371.4	278.7	311.2	233.4	255.5	191.6	206.7	155.1	185.8	139.4		
1450	0.036x	-	359.1	269.4	300.8	225.7	247.0	185.3	199.9	149.9	179.7	134.8		
1400	0.037x	-	346.8	260.2	290.5	217.9	238.5	178.9	193.0	144.7	173.5	130.1		
1350	0.038x	-	334.4	250.9	280.1	210.1	230.0	172.5	186.1	138.6	167.3	125.5		
1300	0.040x	-	322.1	241.6	269.8	202.4	221.5	166.1	179.2	134.4	161.1	120.8		
1250	0.041x	-	309.7	232.4	259.5	194.6	213.0	159.8	172.3	129.3	154.9	116.2		
1200	0.043x	-	297.4	223.1	249.1	186.8	204.5	153.4	165.5	124.1	148.7	111.6		
1150	0.045x	-	285.1	213.8	238.8	179.1	196.0	147.0	158.6	118.9	142.6	106.9		
1100	0.047x	-	272.7	204.6	228.4	171.3	187.5	140.6	151.7	113.8	136			