

Zoom 125 SPECIFICATIONS *

Zoom Objective		0.38X TUBE		0.5X TUBE		0.67X TUBE		1.0X TUBE		1.5X TUBE		2.0X TUBE	
		LOW	HIGH	LOW	HIGH	LOW	HIGH	LOW	HIGH	LOW	HIGH	LOW	HIGH
0.18X 29-20-09 w/o spac WD: 460mm	NA	0.0035	0.018	0.0035	0.018	0.0035	0.018	0.0035	0.018	0.0035	0.018	0.0035	0.018
	MAG	0.035	0.44	0.047	0.58	0.063	0.78	0.094	1.2	0.14	1.8	0.19	2.3
	DOF	45.9	1.7	45.9	1.7	45.9	1.7	45.9	1.7	45.9	1.7	45.9	1.7
	F. 1/4"	77.3 x 103.3	6.2 x 8.3	58.0 x 77.5	4.6 x 6.2	43.5 x 58.1	3.5 x 4.7	29.0 x 38.7	2.3 x 3.1	19.3 x 25.8	1.5 x 2.0	14.5 x 19.3	1.1 x 1.5
O. 1/3"			76.4 x 101.9	6.1 x 8.2	57.3 x 76.4	4.6 x 6.1	38.2 x 50.9	3.0 x 4.1	25.4 x 33.9	2.0 x 2.7	19.1 x 25.4	1.5 x 2.0	
V. 1/2"					76.4 x 101.9	6.1 x 8.2	50.9 x 67.9	4.1 x 5.5	33.9 x 45.3	2.7 x 3.6	25.4 x 33.9	2.0 x 2.7	
mm 2/3"							70.1 x 93.4	5.6 x 7.5	46.7 x 62.3	3.7 x 5.0	35.0 x 46.7	2.8 x 3.7	
0.25X 29-20-09 WD: 305mm	NA	0.0048	0.025	0.0048	0.025	0.0048	0.025	0.0048	0.025	0.0048	0.025	0.0048	0.025
	MAG	0.049	0.61	0.065	0.81	0.087	1.1	0.13	1.6	0.20	2.4	0.26	3.2
	DOF	23.8	0.88	23.8	0.88	23.8	0.88	23.8	0.88	23.8	0.88	23.8	0.88
	F. 1/4"	55.6 x 74.4	4.5 x 6.0	41.7 x 55.8	3.3 x 4.5	31.3 x 41.8	2.5 x 3.3	20.8 x 27.9	1.6 x 2.2	13.9 x 18.6	1.1 x 1.5	10.4 x 13.9	0.84 x 1.1
O. 1/3"			55.0 x 73.4	4.4 x 5.9	41.3 x 55.0	3.3 x 4.4	27.5 x 36.7	2.2 x 2.9	18.3 x 24.4	1.4 x 1.9	13.7 x 18.3	1.1 x 1.4	
V. 1/2"					55.0 x 73.4	4.4 x 5.9	36.7 x 48.9	2.9 x 3.9	24.4 x 32.6	1.9 x 2.6	18.3 x 24.4	1.4 x 1.9	
mm 2/3"							50.4 x 67.3	4.0 x 5.4	33.6 x 44.8	2.7 x 3.6	25.2 x 33.6	2.0 x 2.7	
0.5X 29-20-38 WD: 177mm	NA	0.010	0.050	0.010	0.050	0.010	0.050	0.010	0.050	0.010	0.050	0.010	0.050
	MAG	0.098	1.2	0.13	1.6	0.17	2.2	0.26	3.2	0.39	4.9	0.52	6.5
	DOF	5.9	0.22	5.9	0.22	5.9	0.22	5.9	0.22	5.9	0.22	5.9	0.22
	F. 1/4"	27.8 x 37.2	2.2 x 3.0	20.8 x 27.9	1.6 x 2.2	15.6 x 20.9	1.2 x 1.6	10.4 x 13.9	0.84 x 1.1	6.9 x 9.3	0.56 x 0.75	5.2 x 6.9	0.42 x 0.56
O. 1/3"			27.5 x 36.7	2.2 x 2.9	20.6 x 27.5	1.6 x 2.2	13.7 x 18.3	1.1 x 1.4	9.1 x 12.2	0.74 x 0.98	6.8 x 9.1	0.55 x 0.74	
V. 1/2"					27.5 x 36.7	2.2 x 2.9	18.3 x 24.4	1.4 x 1.9	12.2 x 16.3	0.98 x 1.3	9.1 x 12.2	0.74 x 0.98	
mm 2/3"							25.2 x 33.6	2.0 x 2.7	16.8 x 22.4	1.3 x 1.8	12.6 x 16.8	1.0 x 1.3	
0.75X 29-20-39 WD: 113mm	NA	0.014	0.075	0.014	0.075	0.014	0.075	0.014	0.075	0.014	0.075	0.014	0.075
	MAG	0.15	1.8	0.20	2.4	0.26	3.2	0.39	4.9	0.59	7.3	0.78	9.7
	DOF	2.6	0.098	2.6	0.098	2.6	0.098	2.6	0.098	2.6	0.098	2.6	0.098
	F. 1/4"	18.5 x 24.8	1.5 x 2.0	13.9 x 18.6	1.1 x 1.5	10.4 x 13.9	0.84 x 1.1	6.9 x 9.3	0.56 x 0.75	4.6 x 6.1	0.37 x 0.50	3.4 x 4.6	0.28 x 0.37
O. 1/3"			18.3 x 24.4	1.4 x 1.9	13.7 x 18.3	1.1 x 1.4	9.1 x 12.2	0.74 x 0.98	6.1 x 8.1	0.49 x 0.65	4.5 x 6.1	0.37 x 0.49	
V. 1/2"					18.3 x 24.4	1.4 x 1.9	12.2 x 16.3	0.98 x 1.3	8.1 x 10.8	0.65 x 0.87	6.1 x 8.1	0.49 x 0.65	
mm 2/3"							16.8 x 22.4	1.3 x 1.8	11.2 x 14.9	0.90 x 1.2	8.4 x 11.2	0.68 x 0.90	
1.0X No Lens WD: 89mm	NA	0.019	0.10	0.019	0.10	0.019	0.10	0.019	0.10	0.019	0.10	0.019	0.10
	MAG	0.20	2.4	0.26	3.2	0.35	4.3	0.52	6.5	0.78	9.7	1.0	12.9
	DOF	1.4	0.055	1.4	0.055	1.4	0.055	1.4	0.055	1.4	0.055	1.4	0.055
	F. 1/4"	13.9 x 18.6	1.1 x 1.5	10.4 x 13.9	0.84 x 1.1	7.8 x 10.4	0.63 x 0.84	5.2 x 6.9	0.42 x 0.56	3.4 x 4.6	0.28 x 0.37	2.6 x 3.4	0.21 x 0.28
O. 1/3"			13.7 x 18.3	1.1 x 1.4	10.3 x 13.7	0.83 x 1.1	6.8 x 9.1	0.55 x 0.74	4.5 x 6.1	0.37 x 0.49	3.4 x 4.5	0.27 x 0.37	
V. 1/2"					13.7 x 18.3	1.1 x 1.4	9.1 x 12.2	0.74 x 0.98	6.1 x 8.1	0.49 x 0.65	4.5 x 6.1	0.37 x 0.49	
mm 2/3"							12.6 x 16.8	1.0 x 1.3	8.4 x 11.2	0.68 x 0.90	6.3 x 8.4	0.51 x 0.68	
1.5X 29-20-40 WD: 52mm	NA	0.029	0.15	0.029	0.15	0.029	0.15	0.029	0.15	0.029	0.15	0.029	0.15
	MAG	0.29	3.6	0.39	4.9	0.52	6.5	0.78	9.7	1.2	14.6	1.6	19.4
	DOF	0.66	0.024	0.66	0.024	0.66	0.024	0.66	0.024	0.66	0.024	0.66	0.024
	F. 1/4"	9.2 x 12.4	0.75 x 1.0	6.9 x 9.3	0.56 x 0.75	5.2 x 6.9	0.42 x 0.56	3.4 x 4.6	0.28 x 0.37	2.3 x 3.1	0.18 x 0.25	1.7 x 2.3	0.14 x 0.18
O. 1/3"			9.1 x 12.2	0.74 x 0.98	6.8 x 9.1	0.55 x 0.74	4.5 x 6.1	0.37 x 0.49	3.0 x 4.0	0.24 x 0.33	2.2 x 3.0	0.18 x 0.24	
V. 1/2"					9.1 x 12.2	0.74 x 0.98	6.1 x 8.1	0.49 x 0.65	4.0 x 5.4	0.33 x 0.44	3.0 x 4.0	0.24 x 0.33	
mm 2/3"							8.4 x 11.2	0.68 x 0.90	5.6 x 7.4	0.45 x 0.60	4.2 x 5.6	0.34 x 0.45	
2.0X 29-20-41 WD: 31mm	NA	0.038	0.20	0.038	0.20	0.038	0.20	0.038	0.20	0.038	0.20	0.038	0.20
	MAG	0.39	4.9	0.52	6.5	0.70	8.6	1.0	12.9	1.6	19.4	2.1	25.9
	DOF	0.37	0.013	0.37	0.013	0.37	0.013	0.37	0.013	0.37	0.013	0.37	0.013
	F. 1/4"	6.9 x 9.3	0.56 x 0.75	5.2 x 6.9	0.42 x 0.56	3.9 x 5.2	0.31 x 0.42	2.6 x 3.4	0.21 x 0.28	1.7 x 2.3	0.14 x 0.18	1.3 x 1.7	0.10 x 0.14
O. 1/3"			6.8 x 9.1	0.55 x 0.74	5.1 x 6.8	0.41 x 0.55	3.4 x 4.5	0.27 x 0.37	2.2 x 3.0	0.18 x 0.24	1.7 x 2.2	0.13 x 0.18	
V. 1/2"					6.8 x 9.1	0.55 x 0.74	4.5 x 6.1	0.37 x 0.49	3.0 x 4.0	0.24 x 0.33	2.2 x 3.0	0.18 x 0.24	
mm 2/3"							6.3 x 8.4	0.51 x 0.68	4.2 x 5.6	0.34 x 0.45	3.1 x 4.2	0.25 x 0.34	

* REFER TO SUPPLEMENTARY CHARTS FOR PERFORMANCE WITH CO-AX & MITUTOYO OBJECTIVES

NOTE: SHADED AREAS REPRESENT CONDITIONS WHERE ZOOM RANGE IS LIMITED DUE TO VIGNETTING.