

**Useable Fields-of-View for Zoom 125 w/Coaxial Illumination \***

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													
<b>0.5X</b>	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													
<b>29-20-38</b>	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													
<b>WD: 178mm</b>	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"	25.1	x	33.5	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"	25.1	x	33.5	2.9	x	3.9	25.1	x	33.5	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"	25.1	x	33.5	3.9	x	5.2	25.1	x	33.5	2.9	x	3.9	25.1	x	33.5	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"	25.1	x	33.5	5.4	x	7.2	25.1	x	33.5	4.0	x	5.4	25.1	x	33.5	3.0	x	4.0	25.1	x	33.5	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
<b>0.75X</b>	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													
<b>29-20-39</b>	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													
<b>WD: 114mm</b>	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"	16.7	x	22.3	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	6.2	0.37	x	0.50	3.4	x	4.6	0.28	x	0.37
	O, 1/3"	16.7	x	22.3	1.9	x	2.6	16.7	x	22.3	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"	16.7	x	22.3	2.6	x	3.5	16.7	x	22.3	1.9	x	2.6	16.7	x	22.3	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"	16.7	x	22.3	3.6	x	4.8	16.7	x	22.3	2.7	x	3.6	16.7	x	22.3	2.0	x	2.7	16.7	x	22.3	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
<b>1.0X</b>	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													
<b>No Lens</b>	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													
<b>WD: 89mm</b>	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"	12.5	x	16.7	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"	12.5	x	16.7	1.4	x	1.9	12.5	x	16.7	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"	12.5	x	16.7	1.9	x	2.6	12.5	x	16.7	1.4	x	1.9	12.5	x	16.7	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"	12.5	x	16.7	2.7	x	3.6	12.5	x	16.7	2.0	x	2.7	12.5	x	16.7	1.5	x	2.0	12.5	x	16.7	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
<b>1.5X</b>	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													
<b>29-20-40</b>	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													
<b>WD: 52mm</b>	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"	8.3	x	11.1	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"	8.3	x	11.1	0.98	x	1.3	8.3	x	11.1	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"	8.3	x	11.1	1.3	x	1.7	8.3	x	11.1	0.98	x	1.3	8.3	x	11.1	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"	8.3	x	11.1	1.8	x	2.4	8.3	x	11.1	1.3	x	1.8	8.3	x	11.1	1.0	x	1.3	8.3	x	11.1	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
<b>2.0X</b>	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													
<b>29-20-41</b>	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													
<b>WD: 32mm</b>	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"	6.2	x	8.3	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"	6.2	x	8.3	0.74	x	0.98	6.2	x	8.3	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"	6.2	x	8.3	0.98	x	1.3	6.2	x	8.3	0.74	x	0.98	6.2	x	8.3	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"	6.2	x	8.3	1.3	x	1.8	6.2	x	8.3	1.0	x	1.3	6.2	x	8.3	0.76	x	1.0	6.2	x	8.3	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.