

Useable Fields-of-View for Zoom 70 w/Coaxial Illumination

Z70-SPE-COAX-SPECIAL.XLS

Auxiliary Lens		0.38 X TUBE		0.5 X TUBE		0.67 X TUBE		1.0 X TUBE		1.5 X TUBE		2.0 X TUBE	
		LOW	HIGH	LOW	HIGH	LOW	HIGH	LOW	HIGH	LOW	HIGH	LOW	HIGH
0.75 29-20-39 WD: 114mm	NA	0.018	0.060	0.018	0.060	0.018	0.060	0.018	0.060	0.018	0.060	0.018	0.060
	MAG	0.21	1.5	0.28	2.0	0.38	2.6	0.56	3.9	0.84	5.9	1.1	7.9
	DOF	1.7	0.15	1.7	0.15	1.7	0.15	1.7	0.15	1.7	0.15	1.7	0.15
	F. 1/4"	12.7 x 17.0	1.8 x 2.4	9.6 x 12.9	1.3 x 1.8	7.2 x 9.7	1.0 x 1.3	4.8 x 6.4	0.69 x 0.92	3.2 x 4.3	0.46 x 0.62	2.4 x 3.2	0.34 x 0.46
	O. 1/3"	15.6 x 20.8	2.4 x 3.2	12.7 x 17.0	1.8 x 2.4	9.5 x 12.7	1.3 x 1.8	6.3 x 8.5	0.91 x 1.2	4.2 x 5.6	0.61 x 0.81	3.1 x 4.2	0.45 x 0.61
V. 1/2"	15.6 x 20.8	3.2 x 4.2	15.8 x 21.1	2.4 x 3.2	12.7 x 17.0	1.8 x 2.4	8.5 x 11.3	1.2 x 1.6	5.6 x 7.5	0.81 x 1.0	4.2 x 5.6	0.61 x 0.81	
	mm 2/3"	15.6 x 20.8	4.4 x 5.8	15.8 x 21.1	3.3 x 4.4	15.8 x 21.0	2.5 x 3.3	11.7 x 15.6	1.6 x 2.2	7.8 x 10.4	1.1 x 1.4	5.8 x 7.8	0.84 x 1.1
1.0 WD: 89mm	NA	0.024	0.080	0.024	0.080	0.024	0.080	0.024	0.080	0.024	0.080	0.024	0.080
	MAG	0.29	2.0	0.38	2.6	0.50	3.5	0.75	5.2	1.1	7.9	1.5	10.5
	DOF	0.95	0.085	0.95	0.085	0.95	0.085	0.95	0.085	0.95	0.085	0.95	0.085
	F. 1/4"	9.5 x 12.7	1.3 x 1.8	7.2 x 9.7	1.0 x 1.3	5.4 x 7.2	0.78 x 1.0	3.6 x 4.8	0.52 x 0.69	2.4 x 3.2	0.34 x 0.46	1.8 x 2.4	0.26 x 0.34
	O. 1/3"	11.7 x 15.6	1.8 x 2.4	9.5 x 12.7	1.3 x 1.8	7.1 x 9.5	1.0 x 1.3	4.7 x 6.3	0.68 x 0.91	3.1 x 4.2	0.45 x 0.61	2.3 x 3.1	0.34 x 0.45
V. 1/2"	11.7 x 15.6	2.4 x 3.2	11.9 x 15.8	1.8 x 2.4	9.5 x 12.7	1.3 x 1.8	6.3 x 8.5	0.91 x 1.2	4.2 x 5.6	0.61 x 0.81	3.1 x 4.2	0.45 x 0.61	
	mm 2/3"	11.7 x 15.6	3.3 x 4.4	11.9 x 15.8	2.5 x 3.3	11.8 x 15.8	1.8 x 2.5	8.7 x 11.7	1.2 x 1.6	5.8 x 7.8	0.84 x 1.1	4.3 x 5.8	0.63 x 0.84
1.5 29-20-40 WD: 52mm	NA	0.036	0.12	0.036	0.12	0.036	0.12	0.036	0.12	0.036	0.12	0.036	0.12
	MAG	0.43	3.0	0.56	3.9	0.75	5.2	1.1	7.8	1.7	11.8	2.3	15.7
	DOF	0.42	0.038	0.42	0.038	0.42	0.038	0.42	0.038	0.42	0.038	0.42	0.038
	F. 1/4"	6.3 x 8.5	0.91 x 1.2	4.8 x 6.4	0.69 x 0.92	3.6 x 4.8	0.53 x 0.69	2.4 x 3.2	0.34 x 0.46	1.6 x 2.1	0.23 x 0.30	1.2 x 1.6	0.17 x 0.23
	O. 1/3"	7.8 x 10.4	1.2 x 1.6	6.3 x 8.5	0.91 x 1.2	4.7 x 6.3	0.68 x 0.91	3.2 x 4.2	0.45 x 0.61	2.1 x 2.8	0.30 x 0.40	1.5 x 2.1	0.22 x 0.30
V. 1/2"	7.8 x 10.4	1.6 x 2.1	7.9 x 10.5	1.2 x 1.6	6.3 x 8.5	0.91 x 1.2	4.2 x 5.6	0.61 x 0.81	2.8 x 3.7	0.40 x 0.54	2.1 x 2.8	0.30 x 0.40	
	mm 2/3"	7.8 x 10.4	2.2 x 2.9	7.9 x 10.5	1.6 x 2.2	7.9 x 10.5	1.2 x 1.6	5.8 x 7.8	0.84 x 1.1	3.9 x 5.2	2.9 x 3.9	2.1 x 2.9	0.42 x 0.56
2.0 29-20-41 WD: 32mm	NA	0.048	0.16	0.048	0.16	0.048	0.16	0.048	0.16	0.048	0.16	0.048	0.16
	MAG	0.57	4.0	0.75	5.2	1.0	7.0	1.5	10.5	2.3	15.7	3.0	20.9
	DOF	0.24	0.021	0.24	0.021	0.24	0.021	0.24	0.021	0.24	0.021	0.24	0.021
	F. 1/4"	4.7 x 6.3	0.68 x 0.91	3.6 x 4.8	0.52 x 0.69	2.7 x 3.6	0.39 x 0.52	1.8 x 2.4	0.26 x 0.34	1.2 x 1.6	0.17 x 0.23	0.90 x 1.2	0.13 x 0.17
	O. 1/3"	5.8 x 7.8	0.90 x 1.2	4.7 x 6.3	0.68 x 0.91	3.5 x 4.7	0.51 x 0.68	2.3 x 3.1	0.34 x 0.45	1.5 x 2.1	0.22 x 0.30	1.1 x 1.5	0.17 x 0.22
V. 1/2"	5.8 x 7.8	1.2 x 1.6	5.9 x 7.9	0.91 x 1.2	4.7 x 6.3	0.68 x 0.91	3.1 x 4.2	0.45 x 0.61	2.1 x 2.8	0.30 x 0.40	1.5 x 2.1	0.22 x 0.30	
	mm 2/3"	5.8 x 7.8	1.6 x 2.2	5.9 x 7.9	1.2 x 1.6	5.9 x 7.9	0.94 x 1.2	4.3 x 5.8	0.63 x 0.84	2.9 x 3.9	2.1 x 2.9	0.31 x 0.42	

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

03/15/2000

NOTE: SHADED AREAS REPRESENT CONDITIONS WHERE ZOOM RANGE IS LIMITED DUE 50% TO VIGNETTING.