

MAGNIFICATION CHART

| | | OBJECTIVE LENS | | | | | | | | | | | | | | | | | | | |
|-------------------|--------------------|----------------|-------|-------|-------|---------------|-------|-------|-------|---------------|-------|-------|-------|---------------|-------|-------|-------|---------------|-------|-------|-------|
| | | 175 | | | | 200 | | | | 250 | | | | 300 | | | | 400 | | | |
| eyepiece | position of button | magnification | | field | | magnification | | field | | magnification | | field | | magnification | | field | | magnification | | field | |
| | | f 135 | f170 | f 135 | f170 | f 135 | f170 | f 135 | f170 | f 135 | f170 | f 135 | f170 | f 135 | f170 | f 135 | f170 | f 135 | f170 | f 135 | f170 |
| 10x/18mm | 1 (0.6x) | 4.63 | 5.83 | 38.89 | 30.88 | 4.05 | 5.10 | 44.44 | 35.29 | 3.24 | 4.08 | 55.56 | 44.12 | 2.70 | 3.40 | 66.67 | 52.94 | 2.03 | 2.55 | 88.89 | 70.59 |
| | 2 (1x) | 7.71 | 9.71 | 23.33 | 18.53 | 6.75 | 8.50 | 26.67 | 21.18 | 5.40 | 6.80 | 33.33 | 26.47 | 4.50 | 5.67 | 40.00 | 31.76 | 3.38 | 4.25 | 53.33 | 42.35 |
| | 3 (1.6x) | 12.86 | 16.19 | 14.00 | 11.12 | 11.25 | 14.17 | 16.00 | 12.71 | 9.00 | 11.33 | 20.00 | 15.88 | 7.50 | 9.44 | 24.00 | 19.06 | 5.63 | 7.08 | 32.00 | 25.41 |
| 12.5x/18 | 1 (0.6x) | 5.79 | 7.29 | 38.89 | 30.88 | 5.06 | 6.38 | 44.44 | 35.29 | 4.05 | 5.10 | 55.56 | 44.12 | 3.38 | 4.25 | 66.67 | 52.94 | 2.53 | 3.19 | 88.89 | 70.59 |
| | 2 (1x) | 9.64 | 12.14 | 23.33 | 18.53 | 8.44 | 10.63 | 26.67 | 21.18 | 6.75 | 8.50 | 33.33 | 26.47 | 5.63 | 7.08 | 40.00 | 31.76 | 4.22 | 5.31 | 53.33 | 42.35 |
| | 3 (1.6x) | 16.07 | 20.24 | 14.00 | 11.12 | 14.06 | 17.71 | 16.00 | 12.71 | 11.25 | 14.17 | 20.00 | 15.88 | 9.38 | 11.81 | 24.00 | 19.06 | 7.03 | 8.85 | 32.00 | 25.41 |
| 16x/16 | 1 (0.6x) | 7.41 | 9.33 | 34.57 | 27.45 | 6.48 | 8.16 | 39.51 | 31.37 | 5.18 | 6.53 | 49.38 | 39.22 | 4.32 | 5.44 | 59.26 | 47.06 | 3.24 | 4.08 | 79.01 | 62.75 |
| | 2 (1x) | 12.34 | 15.54 | 20.74 | 16.47 | 10.80 | 13.60 | 23.70 | 18.82 | 8.64 | 10.88 | 29.63 | 23.53 | 7.20 | 9.07 | 35.56 | 28.24 | 5.40 | 6.80 | 47.41 | 37.65 |
| | 3 (1.6x) | 20.57 | 25.90 | 12.44 | 9.88 | 18.00 | 22.67 | 14.22 | 11.29 | 14.40 | 18.13 | 17.78 | 14.12 | 12.00 | 15.11 | 21.33 | 16.94 | 9.00 | 11.33 | 28.44 | 22.59 |
| 20x/12 | 1 (0.6x) | 9.26 | 11.66 | 25.93 | 20.59 | 8.10 | 10.20 | 29.63 | 23.53 | 6.48 | 8.16 | 37.04 | 29.41 | 5.40 | 6.80 | 44.44 | 35.29 | 4.05 | 5.10 | 59.26 | 47.06 |
| | 2 (1x) | 15.43 | 19.43 | 15.56 | 12.35 | 13.50 | 17.00 | 17.78 | 14.12 | 10.80 | 13.60 | 22.22 | 17.65 | 9.00 | 11.33 | 26.67 | 21.18 | 6.75 | 8.50 | 35.56 | 28.24 |
| | 3 (1.6x) | 25.71 | 32.38 | 9.33 | 7.41 | 22.50 | 28.33 | 10.67 | 8.47 | 18.00 | 22.67 | 13.33 | 10.59 | 15.00 | 18.89 | 16.00 | 12.71 | 11.25 | 14.17 | 21.33 | 16.94 |
| illuminated field | | 59 | | | | 68 | | | | 85 | | | | 101 | | | | 136 | | | |