

Magnification Table

for LEITZ Microscopes SM and LABORLUX III*

| Objective magnification | Total magnifications with Huygens and Periplanatic eyepieces | | | | | | | | | |
|-------------------------|--|-------------|-------------|-------------|------|-------------|------|-------------|-------------|-------------|
| | 6x | 6.3x | 8x | 10x | 12x | 12.5x | 15x | 16x | 20x | 25x |
| 2.5 | 15 | 16 | 20 | 25 | 30 | 32 | 38 | 40 | 50 | 63 |
| 3.2 | 19 | 20 | 25 | 32 | 38 | 40 | 48 | 50 | 63 | 80 |
| 3.5 | 21 | 22 | 28 | 35 | 42 | 44 | 53 | 56 | 70 | 88 |
| 3.8 | 23 | 24 | 30 | 38 | 46 | 48 | 57 | 60 | 76 | 95 |
| 4 | 24 | 25 | 32 | 40 | 48 | 50 | 60 | 63 | 80 | 100 |
| 4.3 | 26 | 27 | 34 | 43 | 52 | 54 | 65 | 70 | 86 | 110 |
| 5 | 30 | 32 | 40 | 50 | 60 | 63 | 75 | 80 | 100 | 125 |
| 5.6 | 34 | 35 | 45 | 56 | 67 | 70 | 84 | 90 | 110 | 140 |
| 6 | 36 | 38 | 48 | 60 | 72 | 75 | 90 | 96 | 120 | 150 |
| 6.3 | 38 | 40 | 50 | 63 | 75 | 80 | 95 | 100 | 125 | 160 |
| 6.5 | 39 | 41 | 52 | 65 | 78 | 81 | 100 | 105 | 130 | 165 |
| 8 | 48 | 50 | 63 | 80 | 96 | 100 | 120 | 125 | 160 | 200 |
| 10 | 60 | 63 | 80 | 100 | 120 | 125 | 150 | 160 | 200 | 250 |
| 11 | 66 | 70 | 88 | 110 | 130 | 140 | 165 | 175 | 220 | 275 |
| 12 | 72 | 75 | 96 | 120 | 145 | 150 | 180 | 190 | 240 | 300 |
| 12.5 | 75 | 80 | 100 | 125 | 150 | 160 | 185 | 200 | 250 | 320 |
| 13 | 78 | 82 | 105 | 130 | 155 | 165 | 195 | 210 | 260 | 325 |
| 16 | 96 | 100 | 125 | 160 | 190 | 200 | 240 | 250 | 320 | 400 |
| 16.5 | 100 | 105 | 130 | 165 | 200 | 205 | 250 | 265 | 330 | 410 |
| 20 | 120 | 125 | 160 | 200 | 240 | 250 | 300 | 320 | 400 | 500 |
| 22 | 130 | 135 | 175 | 220 | 265 | 275 | 330 | 350 | 440 | 550 |
| 23 | 140 | 145 | 185 | 230 | 275 | 290 | 345 | 370 | 460 | 575 |
| 25 | 150 | 160 | 200 | 250 | 300 | 320 | 375 | 400 | 500 | 630 |
| 29 | 175 | 185 | 230 | 290 | 350 | 365 | 435 | 465 | 580 | 725 |
| 32 | 190 | 200 | 250 | 320 | 385 | 400 | 480 | 500 | 630 | 800 |
| 40 | 240 | 250 | 320 | 400 | 480 | 500 | 600 | 630 | 800 | 1000 |
| 45 | 270 | 285 | 360 | 450 | 540 | 560 | 675 | 720 | 900 | 1125 |
| 50 | 300 | 320 | 400 | 500 | 600 | 630 | 750 | 800 | 1000 | 1250 |
| 53 | 320 | 335 | 425 | 530 | 630 | 660 | 800 | 850 | 1050 | 1325 |
| 54 | 325 | 340 | 430 | 540 | 650 | 675 | 810 | 860 | 1080 | 1350 |
| 55 | 330 | 345 | 440 | 550 | 660 | 690 | 825 | 880 | 1100 | 1375 |
| 58 | 350 | 365 | 465 | 580 | 700 | 725 | 870 | 930 | 1150 | 1450 |
| 60 | 360 | 380 | 480 | 600 | 720 | 750 | 900 | 960 | 1200 | 1500 |
| 63 | 380 | 400 | 500 | 630 | 750 | 800 | 950 | 1000 | 1250 | 1600 |
| 65 | 390 | 410 | 520 | 650 | 780 | 810 | 975 | 1050 | 1300 | 1625 |
| 68 | 410 | 430 | 550 | 680 | 820 | 850 | 1025 | 1100 | 1350 | 1700 |
| 70 | 420 | 440 | 560 | 700 | 840 | 875 | 1050 | 1125 | 1400 | 1750 |
| 75 | 450 | 475 | 600 | 750 | 900 | 940 | 1125 | 1200 | 1500 | 1875 |
| 80 | 480 | 500 | 630 | 800 | 960 | 1000 | 1200 | 1250 | 1600 | 2000 |
| 90 | 540 | 570 | 720 | 900 | 1100 | 1125 | 1350 | 1450 | 1800 | 2250 |
| 95 | 570 | 600 | 760 | 950 | 1150 | 1200 | 1425 | 1525 | 1900 | 2375 |
| 100 | 600 | 630 | 800 | 1000 | 1200 | 1250 | 1500 | 1600 | 2000 | 2500 |
| 105 | 630 | 660 | 840 | 1050 | 1250 | 1325 | 1575 | 1675 | 2100 | 2625 |
| 110 | 660 | 700 | 880 | 1100 | 1325 | 1375 | 1650 | 1750 | 2200 | 2750 |
| 114 | 685 | 720 | 910 | 1150 | 1375 | 1425 | 1700 | 1825 | 2300 | 2850 |
| 125 | 750 | 800 | 1000 | 1250 | 1500 | 1600 | 1875 | 2000 | 2500 | 3200 |
| 160 | 960 | 1000 | 1250 | 1600 | 1925 | 2000 | 2400 | 2500 | 3200 | 4000 |

Round values

The figures in heavy type indicate the standard magnifications.

* The table is also valid for old-type LEITZ microscopes with straight monocular tubes.

Magnification Table

for LEITZ ORTHOLUX, DIALUX and all microscopes with BINOCULAR BODY

| Objective magnification | Total magnifications with Huygens and Periplanatic eyepieces | | | | | | | | | |
|-------------------------|--|------|------|------|------|-------|------|------|------|------|
| | 6x | 6.3x | 8x | 10x | 12x | 12.5x | 15x | 16x | 20x | 25x |
| 2.5 | 19 | 20 | 25 | 32 | 38 | 40 | 48 | 50 | 63 | 80 |
| 3.2 | 24 | 25 | 32 | 40 | 48 | 50 | 60 | 63 | 80 | 100 |
| 3.5 | 26 | 28 | 35 | 44 | 53 | 55 | 66 | 70 | 88 | 110 |
| 3.8 | 29 | 30 | 38 | 48 | 58 | 60 | 70 | 76 | 95 | 120 |
| 4 | 30 | 32 | 40 | 50 | 60 | 63 | 75 | 80 | 100 | 125 |
| 4.3 | 32 | 34 | 43 | 54 | 65 | 70 | 80 | 86 | 110 | 135 |
| 5 | 38 | 40 | 50 | 63 | 75 | 80 | 95 | 100 | 125 | 160 |
| 5.6 | 42 | 45 | 56 | 70 | 84 | 90 | 105 | 110 | 140 | 175 |
| 6 | 45 | 48 | 60 | 75 | 90 | 95 | 115 | 120 | 150 | 190 |
| 6.3 | 48 | 50 | 63 | 80 | 95 | 100 | 120 | 125 | 160 | 200 |
| 6.5 | 50 | 52 | 65 | 82 | 100 | 105 | 125 | 130 | 165 | 205 |
| 8 | 60 | 63 | 80 | 100 | 120 | 125 | 150 | 160 | 200 | 250 |
| 10 | 75 | 80 | 100 | 125 | 150 | 160 | 190 | 200 | 250 | 320 |
| 11 | 83 | 88 | 110 | 140 | 165 | 175 | 205 | 220 | 275 | 350 |
| 12 | 90 | 95 | 120 | 150 | 180 | 190 | 225 | 240 | 300 | 375 |
| 12.5 | 95 | 100 | 125 | 160 | 190 | 200 | 235 | 250 | 320 | 400 |
| 13 | 100 | 105 | 130 | 165 | 195 | 210 | 245 | 260 | 325 | 405 |
| 16 | 120 | 125 | 160 | 200 | 240 | 250 | 300 | 320 | 400 | 500 |
| 16.5 | 125 | 130 | 165 | 205 | 250 | 260 | 310 | 330 | 415 | 515 |
| 20 | 150 | 160 | 200 | 250 | 300 | 320 | 375 | 400 | 500 | 630 |
| 22 | 165 | 175 | 220 | 275 | 330 | 350 | 415 | 440 | 550 | 700 |
| 23 | 175 | 185 | 230 | 290 | 345 | 365 | 430 | 460 | 575 | 725 |
| 25 | 190 | 200 | 250 | 320 | 375 | 400 | 470 | 500 | 630 | 800 |
| 29 | 220 | 230 | 290 | 360 | 435 | 460 | 550 | 580 | 725 | 900 |
| 32 | 240 | 250 | 320 | 400 | 480 | 500 | 600 | 630 | 800 | 1000 |
| 40 | 300 | 320 | 400 | 500 | 600 | 630 | 750 | 800 | 1000 | 1250 |
| 45 | 340 | 360 | 450 | 560 | 675 | 700 | 850 | 900 | 1125 | 1400 |
| 50 | 375 | 400 | 500 | 630 | 750 | 800 | 950 | 1000 | 1250 | 1600 |
| 53 | 400 | 425 | 530 | 660 | 800 | 850 | 1000 | 1050 | 1325 | 1650 |
| 54 | 405 | 430 | 540 | 675 | 810 | 860 | 1025 | 1075 | 1350 | 1700 |
| 55 | 410 | 440 | 550 | 690 | 825 | 880 | 1050 | 1100 | 1375 | 1725 |
| 58 | 435 | 460 | 580 | 725 | 870 | 910 | 1100 | 1150 | 1450 | 1825 |
| 60 | 450 | 480 | 600 | 750 | 900 | 950 | 1125 | 1200 | 1500 | 1875 |
| 63 | 475 | 500 | 630 | 800 | 950 | 1000 | 1175 | 1250 | 1600 | 2000 |
| 65 | 490 | 520 | 650 | 815 | 975 | 1025 | 1225 | 1300 | 1625 | 2050 |
| 68 | 510 | 540 | 680 | 850 | 1025 | 1075 | 1275 | 1350 | 1700 | 2125 |
| 70 | 525 | 550 | 700 | 875 | 1050 | 1100 | 1300 | 1400 | 1750 | 2200 |
| 75 | 560 | 600 | 750 | 950 | 1125 | 1175 | 1400 | 1500 | 1875 | 2350 |
| 80 | 600 | 630 | 800 | 1000 | 1200 | 1250 | 1500 | 1600 | 2000 | 2500 |
| 90 | 675 | 720 | 900 | 1125 | 1350 | 1400 | 1700 | 1800 | 2250 | 2800 |
| 95 | 715 | 750 | 950 | 1200 | 1425 | 1500 | 1775 | 1900 | 2375 | 2950 |
| 100 | 750 | 800 | 1000 | 1250 | 1500 | 1600 | 1875 | 2000 | 2500 | 3200 |
| 105 | 790 | 840 | 1050 | 1325 | 1575 | 1650 | 1975 | 2100 | 2625 | 3300 |
| 110 | 825 | 880 | 1100 | 1375 | 1650 | 1725 | 2075 | 2200 | 2750 | 3450 |
| 114 | 860 | 910 | 1150 | 1425 | 1700 | 1800 | 2150 | 2275 | 2850 | 3600 |
| 125 | 950 | 1000 | 1250 | 1600 | 1875 | 2000 | 2350 | 2500 | 3200 | 4000 |
| 160 | 1200 | 1250 | 1600 | 2000 | 2400 | 2500 | 3000 | 3200 | 4000 | 5000 |

Round values

The figures in heavy type indicate the standard magnifications.

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