

INDEX OF JML LENS SYSTEMS

| STOCK # | (mm) | F/# | MAGNIFICATION | ANGLE | MTF AXIS | MTF EDGE | LIMITING |
|---------|------|------|---------------|-----------|---------------------|---------------------|------------|
| | EFL | | | HALF | RESOLUTION | RESOLUTION | RESOLUTION |
| | | | | (degrees) | (lp/mm – contrast) | (lp/mm – contrast) | |
| 29320 | 2.0 | 5.6 | 0.0X | 52.0 | 100-.60 | 100-.48 | 200 lp/mm |
| 54110 | 4.4 | 2.7 | 48.0X | 10.2 | 200-.35 | 200-.32 | 400 lp/mm |
| 67920 | 4.5 | 1.2 | 0.0X | 2.5 | 150-.86 | 150-.24 | 300 lp/mm |
| 73852 | 4.5 | 1.2 | 0.0X | 2.5 | 60-.54 | 60-.06 | 60 lp/mm |
| 29300 | 4.8 | 2.0 | 0.0X | 41.5 | 125-.70 | 125-.50 | 200 lp/mm |
| 29300 | 5.1 | 2.0 | 0.0X | 41.5 | 125-.70 | 125-.50 | 200 lp/mm |
| 63980 | 6.1 | 3.2 | 50.0X | 51.0 | 20-.30 | 20-.30 | 28 lp/mm |
| 29630 | 6.5 | 10.0 | 12.6X | 15.9 | 75-.45 | 75-.38 | 140 lp/mm |
| 50360 | 6.5 | 1.8 | 52.7X | 27.4 | 20-.92 | 20-.65 | 50 lp/mm |
| 26570 | 6.7 | 1.7 | 10.0X | 0.9 | 350-.44 | 350-.40 | 700 lp/mm |
| 50140 | 7.5 | 10.0 | 100.0X | 13.4 | 90-.36 | 90-.31 | 130 lp/mm |
| 22200 | 8.0 | 1.1 | 2.0X | 0.4 | 20-.15 | 20-.15 | 12 lp/mm |
| 69460 | 8.1 | 1.4 | 0.0X | 5.0 | 50-.40 | 50-.38 | 65 lp/mm |
| 68720 | 8.4 | 1.5 | 90.0X | 38.2 | 140-.20 | 40-.26 | 70 lp/mm |
| 26550 | 9.0 | 1.3 | 0.0X | 0.9 | 250-.64 | 250-.58 | 750 lp/mm |
| 61090 | 10.0 | 1.6 | 0.0X | 4.3 | 100-.52 | 100-.38 | 300 lp/mm |
| 26620 | 10.2 | 4.0 | 5.2X | 20.5 | 100-.60 | 100-.35 | 200 lp/mm |
| 61970 | 10.3 | 2.5 | 2.0X | 8.4 | 10-.95 | 10-.95 | 125 lp/mm |
| 61770 | 10.4 | 2.5 | 2.0X | 8.0 | 20-.80 | 20-.80 | 140 lp/mm |
| 58680 | 10.5 | 1.8 | 6.6X | 3.2 | 40-.94 | 40-.94 | 600 lp/mm |
| 62110 | 10.7 | 1.3 | 13.3X | 23.4 | 50-.68 | 30-.35 | 100 lp/mm |
| 63970 | 10.7 | 2.2 | 0.0X | 10.0 | 25-.88 | 25-.80 | 90 lp/mm |
| 26790 | 11.0 | 3.0 | 0.0X | 12.3 | 60-.72 | 60-.00 | 120 lp/mm |
| 28590 | 11.0 | 5.6 | 0.0X | 12.3 | 50-.85 | 50-.58 | 180 lp/mm |
| 68590 | 11.0 | 2.8 | 182.0X | 29.9 | 50-.66 | 50-.66 | 130 lp/mm |
| 69220 | 11.0 | 3.5 | 182.0X | 29.5 | 40-.85 | 40-.59 | 140 lp/mm |
| 63455 | 11.1 | 1.0 | 0.0X | 3.3 | 5-.32 | 5-.32 | 12 lp/mm |
| 54230 | 11.2 | 2.2 | 65.9X | 15.5 | 150-.24 | 150-.18 | 200 lp/mm |
| 51990 | 11.4 | 2.8 | 72.0X | 16.2 | 160-.53 | 160-.48 | 400 lp/mm |
| 51150 | 11.5 | 2.5 | 48.0X | 19.0 | 170-.21 | 144-.21 | 300 lp/mm |
| 52250 | 11.8 | 10.0 | 62.5X | 13.7 | 90-.35 | 90-.28 | 130 lp/mm |
| 55560 | 12.0 | 4.0 | 50.0X | 18.8 | 200-.31 | 200-.24 | 280 lp/mm |
| 56240 | 12.0 | 2.1 | 5.0X | 5.4 | 80-.72 | 80-.56 | 260 lp/mm |
| 51120 | 12.1 | 1.3 | 0.0X | 16.0 | 40-.80 | 40-.30 | 100 lp/mm |
| 64110 | 12.2 | 3.5 | 48.0X | 20.7 | 100-.72 | 100-.68 | 320 lp/mm |
| 78332 | 12.2 | 4.5 | 11.0X | 13.2 | 100-.30 | 100-.24 | 180 lp/mm |
| 50200 | 12.5 | 1.8 | 2.0X | 9.3 | 20-.86 | 20-.81 | 100 lp/mm |
| 59300 | 12.5 | 0.8 | 0.0X | 5.0 | 25-.37 | 25-.18 | 60 lp/mm |
| 62730 | 12.5 | 2.5 | 1.9X | 10.7 | 50-.62 | 50-.51 | 120 lp/mm |
| 67690 | 12.5 | 1.9 | 3.9X | 5.3 | 20-.92 | 20-.90 | 220 lp/mm |
| 67690 | 12.5 | 1.9 | 5.0X | 4.4 | 50-.70 | 50-.66 | 250 lp/mm |
| 69040 | 12.5 | 1.8 | 0.0X | 1.0 | 200-.52 | 200-.50 | 440 lp/mm |
| 72047 | 12.5 | 5.6 | 48.0X | 20.5 | 170-.30 | 144-.30 | 400 lp/mm |
| 60190 | 12.6 | 2.3 | 0.0X | 1.2 | 200-.22 | 200-.18 | 300 lp/mm |
| 61940 | 12.7 | 1.0 | 0.0X | 11.1 | 5-.78 | 3-.20 | 5 lp/mm |
| 61940 | 12.7 | 1.1 | 0.0X | 8.0 | 10-.92 | 8-.10 | 8 lp/mm |
| 23550 | 12.8 | 1.9 | 9.3X | 10.9 | 50-.50 | 50-.15 | 60 lp/mm |
| 54960 | 13.1 | 1.1 | 25.5X | 14.5 | 80-.58 | 50-.62 | 180 lp/mm |
| 25720 | 13.2 | 2.8 | 0.0X | 16.2 | 55-.70 | 55-.40 | 160 lp/mm |
| 52440 | 13.2 | 4.5 | 114.0X | 17.6 | 100-.34 | 20-.16 | 25 lp/mm |
| 66960 | 13.3 | 4.0 | 100.0X | 7.6 | 100-.55 | 100-.32 | 160 lp/mm |
| 21220 | 13.4 | 4.0 | 100.0X | 8.7 | 100-.68 | 100-.58 | 300 lp/mm |
| 29910 | 13.4 | 8.0 | 0.0X | 45.0 | 40-.70 | 40-.20 | 50 lp/mm |

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|---------|------|------|---------------|-----------|---------------------|---------------------|------------|
| | EFL | | | HALF | RESOLUTION | RESOLUTION | RESOLUTION |
| | | | | (degrees) | (lp/mm – contrast) | (lp/mm – contrast) | |
| 55810 | 13.4 | 4.0 | 45.0X | 18.6 | 160-.50 | 160-.24 | 240 lp/mm |
| 64950 | 13.4 | 2.5 | 2.0X | 11.5 | 50-.78 | 50-.62 | 240 lp/mm |
| 52365 | 13.5 | 3.5 | 9.0X | 7.5 | 60-.74 | 60-.74 | 200 lp/mm |
| 60770 | 13.6 | 1.9 | 1.0X | 11.5 | 80-.20 | 20-.10 | 20 lp/mm |
| 64130 | 13.8 | 3.5 | 42.0X | 23.4 | 100-.70 | 100-.58 | 300 lp/mm |
| 23630 | 14.0 | 2.4 | 4.3X | 17.2 | 100-.32 | 15-.10 | 15 lp/mm |
| 53150 | 14.0 | 2.5 | 21.7X | 14.3 | 60-.78 | 60-.68 | 400 lp/mm |
| 59395 | 14.1 | 4.8 | 42.0X | 20.7 | 140-.39 | 80-.12 | 80 lp/mm |
| 69350 | 14.2 | 2.2 | 48.0X | 14.5 | 140-.70 | 140-.34 | 220 lp/mm |
| 25160 | 14.4 | 7.3 | 2.8X | 35.5 | 10-.86 | 10-.58 | 20 lp/mm |
| 29710 | 14.5 | 1.8 | 20.4X | 8.3 | 50-.42 | 50-.34 | 100 lp/mm |
| 66600 | 14.5 | 0.9 | 0.0X | 1.7 | 100-.95 | 40-.17 | 50 lp/mm |
| 52230 | 14.7 | 10.0 | 50.0X | 13.7 | 90-.35 | 90-.28 | 130 lp/mm |
| 26460 | 15.0 | 2.5 | 46.3X | 16.1 | 50-.70 | 50-.53 | 120 lp/mm |
| 67510 | 15.0 | 2.0 | 19.9X | 18.5 | 20-.72 | 20-.72 | 100 lp/mm |
| 28020 | 15.1 | 4.0 | 20.2X | 15.4 | 65-.72 | 65-.50 | 120 lp/mm |
| 59010 | 15.2 | 1.8 | 6.6X | 2.2 | 40-.93 | 40-.93 | 600 lp/mm |
| 59590 | 15.3 | 1.7 | 40.0X | 0.2 | 120-.28 | 120-.28 | 220 lp/mm |
| 54160 | 15.4 | 2.5 | 45.0X | 16.7 | 180-.48 | 180-.32 | 400 lp/mm |
| 28560 | 15.5 | 4.0 | 20.3X | 15.1 | 60-.76 | 60-.71 | 330 lp/mm |
| 28580 | 15.5 | 4.0 | 20.3X | 15.1 | 100-.50 | 100-.48 | 200 lp/mm |
| 55080 | 15.5 | 2.8 | 42.0X | 18.4 | 160-.45 | 150-.20 | 240 lp/mm |
| 52360 | 15.6 | 4.1 | 7.5X | 6.4 | 60-.76 | 60-.72 | 280 lp/mm |
| 20260 | 15.8 | 2.0 | 2.8X | 2.4 | 100-.65 | 100-.68 | 600 lp/mm |
| 59680 | 16.0 | 2.8 | 0.0X | 18.9 | 300-.20 | 30-.05 | 30 lp/mm |
| 62960 | 16.0 | 2.0 | 1.0X | 10.5 | 50-.74 | 50-.56 | 160 lp/mm |
| 67880 | 16.0 | 2.8 | 25.4X | 18.3 | 20-.90 | 20-.52 | 50 lp/mm |
| 65460 | 16.4 | 1.1 | 2.8X | 8.1 | 50-.85 | 50-.58 | 160 lp/mm |
| 65465 | 16.4 | 1.1 | 2.8X | 8.1 | 50-.84 | 50-.55 | 100 lp/mm |
| 59140 | 16.5 | 2.8 | 42.0X | 29.1 | 120-.42 | 120-.22 | 180 lp/mm |
| 59160 | 16.5 | 4.3 | 50.0X | 18.2 | 100-.62 | 100-.58 | 240 lp/mm |
| 60590 | 16.5 | 2.8 | 42.0X | 29.1 | 100-.28 | 100-.22 | 180 lp/mm |
| 24100 | 17.0 | 2.8 | 0.0X | 13.2 | 55-.74 | 55-.52 | 200 lp/mm |
| 51110 | 17.0 | 3.0 | 50.0X | 10.1 | 160-.36 | 160-.27 | 400 lp/mm |
| 68630 | 17.0 | 2.8 | 119.0X | 19.5 | 50-.80 | 50-.62 | 120 lp/mm |
| 69260 | 17.0 | 3.5 | 119.0X | 20.0 | 40-.92 | 40-.65 | 100 lp/mm |
| 26500 | 17.1 | 8.0 | 0.0X | 45.0 | 25-.86 | 25-.48 | 100 lp/mm |
| 26750 | 17.1 | 8.0 | 0.0X | 45.0 | 40-.70 | 20-.20 | 35 lp/mm |
| 53900 | 17.2 | 2.8 | 48.0X | 16.1 | 140-.55 | 140-.43 | 300 lp/mm |
| 57580 | 17.3 | 4.5 | 24.0X | 19.6 | 140-.50 | 140-.44 | 260 lp/mm |
| 52660 | 17.4 | 10.0 | 100.0X | 12.4 | 90-.34 | 90-.26 | 120 lp/mm |
| 54810 | 17.4 | 2.8 | 44.2X | 15.0 | 120-.38 | 120-.31 | 200 lp/mm |
| 22150 | 17.5 | 4.0 | 25.0X | 17.5 | 50-.84 | 50-.56 | 180 lp/mm |
| 52430 | 17.5 | 6.0 | 22.0X | 17.7 | 50-.68 | 50-.48 | 120 lp/mm |
| 52445 | 17.5 | 4.0 | 22.0X | 20.8 | 40-.61 | 40-.54 | 80 lp/mm |
| 55060 | 17.5 | 2.8 | 37.0X | 18.4 | 160-.24 | 150-.26 | 240 lp/mm |
| 61300 | 17.6 | 4.7 | 2.0X | 4.7 | 100-.32 | 100-.34 | 160 lp/mm |
| 66060 | 17.6 | 3.5 | 32.0X | 21.0 | 120-.54 | 120-.44 | 260 lp/mm |
| 68400 | 17.7 | 7.3 | 3.4X | 27.0 | 38-.74 | 12-.80 | 100 lp/mm |
| 50750 | 17.8 | 2.5 | 16.0X | 18.7 | 50-.54 | 50-.25 | 80 lp/mm |
| 55320 | 17.8 | 2.5 | 16.0X | 18.7 | 80-.44 | 50-.22 | 60 lp/mm |
| 60880 | 17.9 | 4.5 | 22.0X | 17.4 | 100-.62 | 100-.51 | 240 lp/mm |
| 68400 | 18.1 | 7.3 | 3.2X | 30.2 | 20-.84 | 20-.54 | 50 lp/mm |

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|---------|------|------|---------------|-----------|---------------------|---------------------|------------|
| | EFL | | | HALF | RESOLUTION | RESOLUTION | RESOLUTION |
| | | | | (degrees) | (lp/mm – contrast) | (lp/mm – contrast) | |
| 22060 | 18.2 | 4.5 | 6.7X | 8.5 | 100-.58 | 100-.54 | 240 lp/mm |
| 52355 | 18.3 | 5.0 | 6.0X | 5.3 | 60-.78 | 60-.72 | 250 lp/mm |
| 64490 | 18.4 | 1.0 | 5.0X | 0.5 | 100-.64 | 100-.44 | 220 lp/mm |
| 51250 | 18.6 | 3.5 | 28.0X | 24.5 | 60-.71 | 60-.23 | 100 lp/mm |
| 50980 | 18.7 | 5.6 | 51.0X | 18.4 | 160-.36 | 160-.26 | 220 lp/mm |
| 51070 | 18.9 | 13.0 | 3.3X | 2.5 | 50-.53 | 50-.53 | 95 lp/mm |
| 64150 | 18.9 | 4.5 | 30.0X | 20.9 | 100-.55 | 100-.55 | 250 lp/mm |
| 51230 | 19.0 | 3.5 | 24.0X | 18.8 | 100-.54 | 100-.54 | 260 lp/mm |
| 62605 | 19.0 | 5.6 | 48.0X | 16.5 | 210-.20 | 210-.15 | 280 lp/mm |
| 52680 | 19.1 | 3.5 | 24.0X | 19.0 | 100-.38 | 100-.30 | 200 lp/mm |
| 54630 | 19.1 | 3.5 | 48.0X | 15.1 | 240-.38 | 216-.22 | 300 lp/mm |
| 60730 | 19.1 | 5.6 | 30.0X | 20.6 | 100-.58 | 100-.30 | 160 lp/mm |
| 60730 | 19.1 | 3.5 | 48.0X | 16.5 | 210-.34 | 210-.38 | 320 lp/mm |
| 60320 | 19.2 | 2.5 | 24.0X | 17.8 | 120-.62 | 120-.25 | 220 lp/mm |
| 67600 | 19.6 | 2.8 | 17.2X | 8.2 | 150-.55 | 150-.40 | 340 lp/mm |
| 54430 | 19.7 | 2.8 | 42.0X | 14.2 | 160-.60 | 160-.26 | 240 lp/mm |
| 51090 | 19.9 | 2.8 | 36.9X | 16.0 | 120-.52 | 120-.48 | 340 lp/mm |
| 53970 | 19.9 | 2.8 | 32.0X | 15.1 | 120-.51 | 120-.52 | 300 lp/mm |
| 61000 | 19.9 | 3.1 | 12.0X | 23.2 | 200-.34 | 80-.20 | 130 lp/mm |
| 55670 | 20.0 | 3.5 | 40.0X | 18.4 | 100-.54 | 100-.52 | 260 lp/mm |
| 26210 | 20.1 | 1.3 | 0.0X | 3.0 | 200-.65 | 200-.50 | 450 lp/mm |
| 67400 | 20.1 | 1.8 | 16.4X | 8.3 | 150-.68 | 150-.50 | 500 lp/mm |
| 55040 | 20.4 | 2.8 | 31.5X | 18.5 | 142-.28 | 125-.20 | 200 lp/mm |
| 24560 | 20.6 | 7.0 | 5.8X | 7.3 | 100-.36 | 100-.30 | 200 lp/mm |
| 67300 | 20.7 | 2.8 | 16.4X | 8.3 | 150-.58 | 150-.60 | 600 lp/mm |
| 54870 | 20.9 | 3.5 | 1.0X | 10.9 | 18-.64 | 12-.64 | 25 lp/mm |
| 61580 | 21.0 | 3.1 | 12.1X | 21.5 | 40-.82 | 40-.54 | 180 lp/mm |
| 55470 | 21.2 | 3.5 | 44.0X | 25.6 | 80-.48 | 80-.22 | 120 lp/mm |
| 64170 | 21.6 | 3.5 | 25.5X | 24.2 | 100-.65 | 100-.44 | 300 lp/mm |
| 54610 | 21.7 | 3.5 | 42.0X | 15.1 | 210-.44 | 180-.28 | 300 lp/mm |
| 50560 | 21.9 | 2.3 | 42.0X | 18.3 | 100-.58 | 100-.25 | 200 lp/mm |
| 50580 | 22.0 | 2.8 | 42.0X | 18.3 | 120-.22 | 100-.15 | 200 lp/mm |
| 54480 | 22.0 | 2.8 | 1.0X | 10.8 | 14-.82 | 14-.82 | 100 lp/mm |
| 21200 | 22.1 | 2.5 | 50.0X | 10.4 | 200-.32 | 200-.22 | 320 lp/mm |
| 21220 | 22.1 | 2.5 | 100.0X | 8.7 | 100-.70 | 100-.58 | 320 lp/mm |
| 53350 | 22.2 | 5.6 | 5.0X | 11.1 | 160-.37 | 160-.36 | 260 lp/mm |
| 53380 | 22.2 | 3.5 | 24.0X | 18.9 | 130-.86 | 130-.42 | 350 lp/mm |
| 52350 | 22.5 | 6.4 | 4.5X | 4.1 | 60-.66 | 60-.66 | 220 lp/mm |
| 57540 | 22.5 | 3.1 | 36.0X | 20.3 | 120-.68 | 120-.38 | 240 lp/mm |
| 62630 | 22.8 | 2.2 | 16.3X | 7.8 | 120-.81 | 120-.78 | 600 lp/mm |
| 52210 | 23.0 | 12.0 | 31.3X | 14.1 | 72-.33 | 72-.19 | 84 lp/mm |
| 50790 | 23.2 | 2.8 | 42.0X | 15.2 | 144-.42 | 144-.42 | 220 lp/mm |
| 56530 | 23.4 | 3.5 | 16.3X | 9.1 | 100-.76 | 100-.74 | 400 lp/mm |
| 58520 | 23.4 | 2.0 | 1.0X | 11.8 | 60-.48 | 60-.32 | 140 lp/mm |
| 61870 | 23.4 | 2.0 | 1.0X | 11.7 | 60-.48 | 60-.48 | 120 lp/mm |
| 64610 | 23.4 | 5.6 | 25.2X | 26.6 | 170-.38 | 100-.30 | 140 lp/mm |
| 29760 | 23.5 | 5.8 | 1.5X | 13.4 | 43-.65 | 43-.62 | 200 lp/mm |
| 50620 | 23.5 | 2.3 | 39.0X | 18.1 | 120-.34 | 120-.18 | 200 lp/mm |
| 59465 | 23.5 | 5.6 | 25.2X | 21.4 | 70-.66 | 40-.35 | 70 lp/mm |
| 59645 | 23.5 | 4.8 | 39.0X | 18.0 | 100-.60 | 100-.44 | 180 lp/mm |
| 60750 | 23.5 | 5.6 | 25.2X | 23.3 | 140-.39 | 140-.25 | 180 lp/mm |
| 73962 | 24.0 | 2.8 | 0.0X | 42.0 | 90-.20 | 80-.20 | 110 lp/mm |
| 64460 | 24.1 | 2.8 | 9.1X | 11.3 | 150-.56 | 150-.53 | 360 lp/mm |

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|---------|------|------|---------------|-----------|---------------------|---------------------|------------|
| | EFL | | | HALF | RESOLUTION | RESOLUTION | RESOLUTION |
| | | | | (degrees) | (lp/mm – contrast) | (lp/mm – contrast) | |
| 58630 | 24.5 | 5.0 | 45.0X | 20.4 | 100-.60 | 100-.52 | 220 lp/mm |
| 25730 | 24.9 | 4.0 | 9.0X | 22.0 | 50-.68 | 50-.48 | 140 lp/mm |
| 59820 | 24.9 | 4.0 | 31.7X | 0.7 | 100-.70 | 100-.68 | 320 lp/mm |
| 57280 | 25.0 | 1.8 | 10.0X | 10.4 | 80-.50 | 80-.20 | 120 lp/mm |
| 59830 | 25.0 | 6.2 | 1.0X | 2.3 | 100-.59 | 100-.59 | 300 lp/mm |
| 57550 | 25.1 | 3.5 | 32.0X | 21.1 | 180-.48 | 180-.28 | 260 lp/mm |
| 70124 | 25.3 | 2.8 | 24.0X | 15.6 | 100-.55 | 100-.43 | 300 lp/mm |
| 68900 | 25.5 | 1.4 | 19.3X | 8.3 | 20-.70 | 20-.64 | 50 lp/mm |
| 22920 | 25.8 | 1.4 | 19.3X | 8.3 | 50-.45 | 50-.36 | 100 lp/mm |
| 23280 | 25.8 | 1.4 | 19.3X | 8.3 | 50-.45 | 50-.36 | 100 lp/mm |
| 54850 | 25.9 | 4.1 | 29.4X | 14.8 | 140-.48 | 140-.12 | 150 lp/mm |
| 52345 | 26.1 | 7.8 | 3.5X | 3.4 | 60-.64 | 60-.64 | 160 lp/mm |
| 20880 | 26.2 | 2.3 | 8.3X | 10.5 | 30-.40 | 30-.40 | 80 lp/mm |
| 53530 | 26.2 | 1.5 | 1.0X | 5.8 | 10-.58 | 10-.44 | 30 lp/mm |
| 55020 | 26.2 | 2.8 | 24.0X | 18.6 | 120-.22 | 108-.20 | 180 lp/mm |
| 69860 | 26.2 | 2.2 | 8.3X | 10.5 | 20-.58 | 20-.55 | 60 lp/mm |
| 24610 | 26.3 | 2.8 | 4.1X | 17.0 | 25-.60 | 25-.32 | 50 lp/mm |
| 25260 | 26.5 | 1.4 | 0.0X | 20.0 | 60-.80 | 60-.16 | 160 lp/mm |
| 29050 | 26.5 | 3.3 | 532.9X | 46.7 | 56-.40 | 56-.28 | 150 lp/mm |
| 22220 | 26.7 | 1.6 | 8.3X | 10.6 | 60-.58 | 60-.35 | 200 lp/mm |
| 22240 | 26.7 | 1.6 | 8.0X | 10.6 | 60-.65 | 60-.42 | 140 lp/mm |
| 66940 | 27.1 | 10.0 | 50.0X | 7.5 | 75-.44 | 75-.37 | 120 lp/mm |
| 23730 | 27.4 | 5.6 | 9.7X | 27.1 | 80-.52 | 80-.34 | 120 lp/mm |
| 21720 | 27.5 | 8.0 | 4.5X | 24.0 | 30-.72 | 30-.42 | 70 lp/mm |
| 25630 | 27.5 | 1.2 | 1.6X | 9.9 | 25-.80 | 25-.45 | 80 lp/mm |
| 54120 | 27.5 | 3.0 | 7.6X | 24.2 | 5-.96 | 5-.40 | 10 lp/mm |
| 58600 | 27.5 | 2.4 | 7.8X | 23.7 | 20-.33 | 20-.33 | 50 lp/mm |
| 62030 | 27.5 | 4.0 | 8.3X | 22.9 | 50-.65 | 50-.30 | 140 lp/mm |
| 69600 | 27.5 | 8.0 | 4.5X | 17.0 | 35-.62 | 35-.38 | 70 lp/mm |
| 69930 | 27.5 | 9.6 | 4.5X | 20.5 | 30-.74 | 30-.62 | 100 lp/mm |
| 59700 | 27.8 | 4.0 | 1.7X | 15.8 | 40-.80 | 40-.72 | 180 lp/mm |
| 60650 | 27.9 | 4.0 | 8.3X | 22.6 | 50-.65 | 50-.46 | 140 lp/mm |
| 67530 | 27.9 | 2.0 | 8.1X | 11.9 | 50-.64 | 50-.45 | 140 lp/mm |
| 28730 | 28.0 | 2.8 | 322.5X | 37.6 | 30-.65 | 30-.56 | 85 lp/mm |
| 55450 | 28.0 | 3.5 | 18.0X | 25.2 | 30-.90 | 30-.58 | 75 lp/mm |
| 73008 | 28.0 | 2.8 | 0.0X | 37.5 | 90-.20 | 80-.20 | 110 lp/mm |
| 52340 | 28.2 | 8.8 | 3.0X | 3.0 | 60-.56 | 60-.56 | 150 lp/mm |
| 56370 | 28.2 | 3.5 | 18.0X | 25.3 | 30-.75 | 30-.20 | 60 lp/mm |
| 61360 | 28.2 | 1.7 | 0.0X | 5.1 | 6-.58 | 6-.58 | 10 lp/mm |
| 58560 | 28.3 | 4.3 | 9.5X | 10.4 | 180-.42 | 180-.40 | 260 lp/mm |
| 51190 | 29.0 | 2.8 | 24.0X | 17.4 | 140-.55 | 140-.23 | 240 lp/mm |
| 21890 | 29.2 | 4.0 | 40.0X | 13.0 | 60-.42 | 60-.32 | 150 lp/mm |
| 58130 | 29.4 | 4.7 | 23.0X | 11.1 | 80-.69 | 80-.40 | 200 lp/mm |
| 52335 | 29.5 | 9.3 | 2.8X | 2.8 | 60-.52 | 60-.52 | 135 lp/mm |
| 21630 | 29.6 | 4.5 | 3.2X | 7.6 | 100-.50 | 100-.50 | 220 lp/mm |
| 59840 | 29.6 | 5.6 | 12.7X | 29.1 | 40-.67 | 40-.52 | 100 lp/mm |
| 62720 | 29.6 | 1.4 | 0.0X | 2.0 | 150-.50 | 150-.46 | 300 lp/mm |
| 55000 | 29.7 | 3.2 | 21.0X | 18.7 | 105-.48 | 95-.26 | 140 lp/mm |
| 58850 | 29.7 | 2.9 | 22.9X | 16.9 | 80-.74 | 80-.56 | 220 lp/mm |
| 62901 | 29.7 | 3.0 | 24.0X | 18.6 | 200-.20 | 120-.20 | 220 lp/mm |
| 58290 | 29.8 | 2.0 | 10.9X | 8.6 | 80-.36 | 80-.28 | 150 lp/mm |
| 67340 | 29.8 | 1.8 | 10.9X | 8.5 | 150-.74 | 150-.55 | 400 lp/mm |
| 60550 | 30.0 | 2.0 | 0.0X | 0.5 | 150-.48 | 150-.48 | 320 lp/mm |

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| STOCK # | (mm) | F/# | MAGNIFICATION | ANGLE | MTF AXIS | MTF EDGE | LIMITING |
|---------|------|------|---------------|-----------|---------------------|---------------------|------------|
| | EFL | | | HALF | RESOLUTION | RESOLUTION | RESOLUTION |
| | | | | (degrees) | (lp/mm – contrast) | (lp/mm – contrast) | |
| 66340 | 30.0 | 5.0 | 6.2X | 13.4 | 90-.18 | 45-.54 | 100 lp/mm |
| 66380 | 30.0 | 3.6 | 2.7X | 11.1 | 90-.78 | 45-.75 | 160 lp/mm |
| 54140 | 30.1 | 3.5 | 22.6X | 16.9 | 60-.62 | 60-.18 | 100 lp/mm |
| 67200 | 30.4 | 2.8 | 10.9X | 8.4 | 150-.60 | 150-.60 | 600 lp/mm |
| 52330 | 30.7 | 10.0 | 2.5X | 2.6 | 60-.48 | 60-.48 | 120 lp/mm |
| 52325 | 31.8 | 10.8 | 2.3X | 2.5 | 70-.60 | 70-.60 | 120 lp/mm |
| 58490 | 31.9 | 3.5 | 15.5X | 25.6 | 60-.63 | 20-.17 | 35 lp/mm |
| 55430 | 32.1 | 3.5 | 15.5X | 25.4 | 60-.58 | 60-.48 | 120 lp/mm |
| 56010 | 32.2 | 3.7 | 15.5X | 25.4 | 60-.44 | 60-.36 | 100 lp/mm |
| 62070 | 32.3 | 3.5 | 15.5X | 25.4 | 60-.62 | 60-.28 | 90 lp/mm |
| 58610 | 32.5 | 5.6 | 24.0X | 20.7 | 120-.44 | 120-.32 | 200 lp/mm |
| 58650 | 32.5 | 4.0 | 25.0X | 16.8 | 200-.38 | 200-.20 | 270 lp/mm |
| 58030 | 32.6 | 4.0 | 27.0X | 16.7 | 140-.52 | 140-.34 | 240 lp/mm |
| 57560 | 32.9 | 3.5 | 24.0X | 18.6 | 120-.56 | 120-.37 | 260 lp/mm |
| 51100 | 33.0 | 3.5 | 24.0X | 14.3 | 120-.42 | 120-.42 | 220 lp/mm |
| 53920 | 33.0 | 3.5 | 21.8X | 15.4 | 70-.38 | 70-.36 | 120 lp/mm |
| 58800 | 33.0 | 2.1 | 9.5X | 8.7 | 160-.42 | 160-.30 | 260 lp/mm |
| 21760 | 33.1 | 8.0 | 4.5X | 19.1 | 30-.80 | 30-.57 | 120 lp/mm |
| 52320 | 33.1 | 11.7 | 2.0X | 2.3 | 60-.35 | 60-.35 | 100 lp/mm |
| 54410 | 33.4 | 3.5 | 24.0X | 14.3 | 100-.62 | 100-.34 | 160 lp/mm |
| 56220 | 33.4 | 3.5 | 10.8X | 12.9 | 100-.74 | 100-.68 | 320 lp/mm |
| 67320 | 33.4 | 1.8 | 9.6X | 8.5 | 150-.68 | 150-.44 | 340 lp/mm |
| 54720 | 33.5 | 2.2 | 10.8X | 8.6 | 100-.70 | 100-.64 | 400 lp/mm |
| 54980 | 34.0 | 3.5 | 18.0X | 18.8 | 90-.42 | 80-.42 | 200 lp/mm |
| 52640 | 34.1 | 10.0 | 50.0X | 12.6 | 60-.52 | 60-.38 | 100 lp/mm |
| 67280 | 34.1 | 2.8 | 9.6X | 8.5 | 150-.62 | 150-.60 | 550 lp/mm |
| 52315 | 34.4 | 12.7 | 1.8X | 2.1 | 60-.30 | 60-.30 | 85 lp/mm |
| 22560 | 34.5 | 8.1 | 0.0X | 45.0 | 15-.75 | 15-.05 | 15 lp/mm |
| 50080 | 34.5 | 13.0 | 20.0X | 14.4 | 50-.50 | 50-.33 | 75 lp/mm |
| 57710 | 34.8 | 2.8 | 18.6X | 32.7 | 50-.38 | 50-.20 | 60 lp/mm |
| 64420 | 34.8 | 2.0 | 9.1X | 7.5 | 160-.62 | 160-.49 | 320 lp/mm |
| 53705 | 35.0 | 2.8 | 0.0X | 21.9 | 8-.20 | 5-.25 | 15 lp/mm |
| 76990 | 35.3 | 2.8 | 7.0X | 14.7 | 90-.48 | 90-.36 | 300 lp/mm |
| 64570 | 35.5 | 3.5 | 9.1X | 8.2 | 160-.60 | 160-.58 | 400 lp/mm |
| 50530 | 35.6 | 3.5 | 27.0X | 9.4 | 80-.52 | 80-.21 | 90 lp/mm |
| 52310 | 35.7 | 14.0 | 1.5X | 2.0 | 60-.22 | 60-.22 | 75 lp/mm |
| 55580 | 35.8 | 3.5 | 27.1X | 9.7 | 90-.60 | 90-.45 | 200 lp/mm |
| 64370 | 35.8 | 3.5 | 9.1X | 8.0 | 160-.60 | 160-.58 | 400 lp/mm |
| 50480 | 36.0 | 3.5 | 24.0X | 20.9 | 160-.43 | 160-.28 | 240 lp/mm |
| 50520 | 36.4 | 5.6 | 24.0X | 11.0 | 100-.51 | 100-.36 | 170 lp/mm |
| 50240 | 36.8 | 4.0 | 24.0X | 13.9 | 40-.70 | 40-.20 | 60 lp/mm |
| 24440 | 36.9 | 4.5 | 50.4X | 6.0 | 100-.46 | 100-.45 | 300 lp/mm |
| 50430 | 36.9 | 5.6 | 24.0X | 14.6 | 40-.65 | 40-.21 | 70 lp/mm |
| 60030 | 36.9 | 5.0 | 40.0X | 20.2 | 100-.60 | 100-.41 | 200 lp/mm |
| 28100 | 37.0 | 4.6 | 0.0X | 16.1 | 100-.18 | 100-.18 | 140 lp/mm |
| 54670 | 37.0 | 2.8 | 24.0X | 13.3 | 170-.28 | 150-.26 | 240 lp/mm |
| 55350 | 37.0 | 2.0 | 14.8X | 7.4 | 200-.54 | 200-.34 | 450 lp/mm |
| 57920 | 37.0 | 5.0 | 13.0X | 19.5 | 100-.48 | 100-.42 | 240 lp/mm |
| 63920 | 37.3 | 1.8 | 0.0X | 0.5 | 180-.58 | 180-.34 | 360 lp/mm |
| 64030 | 37.3 | 1.8 | 0.0X | 0.5 | 180-.57 | 180-.34 | 360 lp/mm |
| 23440 | 37.5 | 1.3 | 500.0X | 9.1 | 50-.22 | 10-.10 | 10 lp/mm |
| 54690 | 37.5 | 2.2 | 9.5X | 8.6 | 100-.74 | 100-.74 | 400 lp/mm |
| 56160 | 37.6 | 3.5 | 9.5X | 12.3 | 100-.70 | 100-.70 | 260 lp/mm |

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| STOCK # | (mm) | F/# | MAGNIFICATION | ANGLE | MTF AXIS | MTF EDGE | LIMITING |
|---------|------|-----|---------------|-----------|---------------------|---------------------|------------|
| | EFL | | | HALF | RESOLUTION | RESOLUTION | RESOLUTION |
| | | | | (degrees) | (lp/mm – contrast) | (lp/mm – contrast) | |
| 56470 | 37.6 | 3.5 | 9.5X | 8.6 | 100-.70 | 100-.67 | 360 lp/mm |
| 63130 | 37.9 | 5.6 | 1.4X | 18.0 | 40-.69 | 40-.51 | 120 lp/mm |
| 50250 | 38.0 | 2.3 | 21.4X | 13.4 | 50-.37 | 50-.14 | 70 lp/mm |
| 67800 | 38.0 | 4.5 | 1.2X | 10.0 | 50-.65 | 50-.63 | 170 lp/mm |
| 52030 | 38.1 | 5.0 | 7.2X | 8.7 | 60-.63 | 60-.50 | 150 lp/mm |
| 64400 | 38.8 | 2.0 | 8.0X | 7.6 | 140-.65 | 140-.49 | 320 lp/mm |
| 21650 | 39.0 | 5.6 | 23.2X | 12.9 | 75-.34 | 75-.22 | 160 lp/mm |
| 59580 | 39.0 | 4.0 | 23.2X | 12.8 | 100-.46 | 100-.24 | 180 lp/mm |
| 59800 | 39.0 | 4.0 | 23.2X | 12.4 | 50-.50 | 50-.36 | 100 lp/mm |
| 59760 | 39.4 | 4.0 | 12.7X | 11.5 | 40-.82 | 40-.72 | 200 lp/mm |
| 59380 | 39.9 | 4.4 | 19.3X | 20.9 | 80-.60 | 80-.20 | 110 lp/mm |
| 63610 | 40.0 | 8.0 | 1.7X | 1.5 | 40-.47 | 40-.24 | 70 lp/mm |
| 64550 | 40.1 | 3.5 | 8.0X | 8.3 | 140-.62 | 140-.61 | 400 lp/mm |
| 60290 | 40.2 | 2.3 | 1.0X | 8.3 | 50-.45 | 50-.18 | 80 lp/mm |
| 20840 | 40.8 | 5.6 | 8.9X | 24.4 | 60-.68 | 60-.48 | 130 lp/mm |
| 20860 | 40.8 | 5.6 | 8.9X | 24.3 | 60-.68 | 60-.46 | 120 lp/mm |
| 54830 | 40.8 | 6.5 | 18.4X | 14.9 | 140-.26 | 120-.10 | 120 lp/mm |
| 56700 | 41.0 | 2.3 | 1.0X | 9.8 | 120-.45 | 120-.37 | 240 lp/mm |
| 66540 | 41.0 | 8.0 | 13.4X | 21.2 | 70-.58 | 70-.50 | 150 lp/mm |
| 58270 | 41.2 | 4.0 | 20.0X | 14.9 | 30-.74 | 30-.32 | 90 lp/mm |
| 27260 | 42.0 | 2.8 | 0.0X | 27.2 | 56-.35 | 56-.35 | 80 lp/mm |
| 59890 | 42.0 | 0.8 | 0.0X | 7.0 | 50-.74 | 50-.28 | 110 lp/mm |
| 62300 | 42.0 | 5.6 | 18.0X | 14.9 | 120-.65 | 120-.52 | 280 lp/mm |
| 52380 | 42.3 | 4.4 | 18.0X | 17.2 | 70-.36 | 70-.27 | 150 lp/mm |
| 60620 | 42.7 | 4.0 | 9.8X | 13.2 | 60-.62 | 60-.46 | 160 lp/mm |
| 65520 | 42.7 | 7.5 | 50.0X | 10.1 | 40-.50 | 40-.25 | 65 lp/mm |
| 26080 | 42.8 | 2.8 | 0.0X | 21.0 | 56-.72 | 56-.30 | 110 lp/mm |
| 58010 | 42.8 | 3.1 | 14.0X | 25.4 | 60-.24 | 60-.28 | 80 lp/mm |
| 58430 | 42.8 | 4.0 | 18.0X | 14.9 | 100-.60 | 100-.49 | 240 lp/mm |
| 62290 | 42.9 | 4.5 | 3.6X | 5.2 | 40-.73 | 40-.62 | 150 lp/mm |
| 66000 | 43.6 | 3.4 | 36.0X | 11.9 | 100-.50 | 100-.30 | 260 lp/mm |
| 52025 | 43.7 | 5.8 | 6.0X | 7.4 | 60-.67 | 60-.61 | 220 lp/mm |
| 66920 | 44.3 | 4.0 | 31.3X | 7.3 | 100-.50 | 100-.38 | 200 lp/mm |
| 59575 | 44.5 | 7.0 | 26.7X | 5.9 | 80-.57 | 80-.28 | 110 lp/mm |
| 60380 | 44.5 | 5.6 | 11.6X | 7.9 | 40-.80 | 40-.73 | 180 lp/mm |
| 56550 | 44.6 | 2.8 | 12.0X | 8.4 | 140-.42 | 140-.35 | 360 lp/mm |
| 57910 | 45.1 | 1.5 | 142.0X | 5.1 | 10-.72 | 10-.30 | 40 lp/mm |
| 52700 | 45.5 | 5.6 | 24.0X | 14.0 | 120-.45 | 120-.42 | 240 lp/mm |
| 60850 | 45.5 | 5.6 | 8.9X | 13.6 | 100-.52 | 100-.36 | 170 lp/mm |
| 63830 | 45.5 | 4.0 | 1.4X | 0.3 | 20-.24 | 16-.24 | 60 lp/mm |
| 60800 | 45.9 | 1.9 | 10.6X | 16.9 | 80-.28 | 50-.20 | 100 lp/mm |
| 24960 | 46.6 | 5.0 | 3.3X | 3.0 | 50-.70 | 50-.70 | 200 lp/mm |
| 59320 | 48.6 | 4.0 | 9.8X | 11.8 | 40-.72 | 40-.68 | 180 lp/mm |
| 67720 | 49.5 | 5.1 | 3.4X | 19.1 | 40-.80 | 40-.65 | 150 lp/mm |
| 22830 | 49.7 | 5.6 | 9.1X | 19.9 | 100-.38 | 100-.12 | 120 lp/mm |
| 22850 | 49.7 | 7.5 | 10.9X | 17.6 | 30-.85 | 30-.76 | 140 lp/mm |
| 22850 | 49.7 | 5.6 | 9.1X | 17.9 | 30-.85 | 30-.55 | 120 lp/mm |
| 22850 | 49.7 | 7.5 | 10.8X | 17.6 | 30-.82 | 30-.78 | 160 lp/mm |
| 22870 | 49.7 | 5.6 | 9.1X | 17.9 | 30-.88 | 30-.68 | 140 lp/mm |
| 64790 | 49.7 | 5.6 | 9.1X | 16.5 | 60-.65 | 60-.54 | 180 lp/mm |
| 67580 | 49.7 | 5.6 | 9.1X | 17.1 | 40-.78 | 40-.62 | 140 lp/mm |
| 53180 | 49.8 | 5.6 | 14.5X | 17.9 | 80-.56 | 80-.50 | 240 lp/mm |
| 70597 | 49.8 | 5.6 | 18.0X | 15.0 | 30-.70 | 30-.24 | 60 lp/mm |

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| STOCK # | (mm) | F/# | MAGNIFICATION | ANGLE | MTF AXIS | MTF EDGE | LIMITING |
|---------|------|-----|---------------|-----------|---------------------|---------------------|------------|
| | EFL | | | HALF | RESOLUTION | RESOLUTION | RESOLUTION |
| | | | | (degrees) | (lp/mm – contrast) | (lp/mm – contrast) | |
| 54940 | 49.9 | 2.8 | 6.0X | 20.8 | 20-.55 | 20-.30 | 40 lp/mm |
| 57880 | 49.9 | 4.0 | 9.6X | 11.5 | 40-.58 | 40-.58 | 120 lp/mm |
| 59060 | 49.9 | 5.6 | 12.7X | 15.0 | 66-.62 | 66-.54 | 180 lp/mm |
| 69060 | 49.9 | 5.0 | 0.0X | 2.0 | 50-.74 | 50-.62 | 120 lp/mm |
| 22520 | 50.0 | 5.0 | 0.0X | 0.5 | 100-.40 | 100-.40 | 180 lp/mm |
| 52300 | 50.0 | 2.8 | 6.0X | 21.4 | 8-.20 | 5-.25 | 15 lp/mm |
| 54280 | 50.0 | 4.0 | 18.0X | 15.1 | 100-.30 | 100-.30 | 140 lp/mm |
| 57660 | 50.0 | 1.0 | 0.0X | 8.5 | 30-.90 | 30-.36 | 60 lp/mm |
| 63660 | 50.0 | 1.7 | 0.0X | 4.3 | 50-.70 | 50-.64 | 150 lp/mm |
| 71701 | 50.0 | 4.5 | 10.0X | 23.4 | 90-.20 | 80-.20 | 110 lp/mm |
| 71704 | 50.0 | 3.5 | 10.0X | 23.4 | 90-.15 | 85-.15 | 100 lp/mm |
| 72051 | 50.0 | 2.8 | 10.0X | 23.4 | 120-.20 | 120-.20 | 160 lp/mm |
| 73021 | 50.0 | 5.6 | 0.0X | 21.4 | 85-.60 | 85-.55 | 240 lp/mm |
| 56720 | 50.1 | 4.5 | 5.0X | 19.0 | 25-.80 | 25-.34 | 40 lp/mm |
| 65760 | 50.2 | 2.8 | 0.0X | 9.1 | 25-.32 | 25-.22 | 35 lp/mm |
| 22300 | 50.3 | 1.3 | 363.0X | 6.9 | 25-.32 | 25-.25 | 50 lp/mm |
| 65420 | 50.7 | 5.6 | 3.3X | 19.1 | 45-.60 | 45-.38 | 120 lp/mm |
| 23660 | 51.0 | 3.0 | 22.1X | 1.6 | 100-.68 | 100-.00 | 320 lp/mm |
| 29730 | 51.0 | 6.0 | 0.3X | 6.4 | 150-.42 | 150-.42 | 300 lp/mm |
| 51800 | 51.0 | 2.0 | 6.1X | 6.4 | 20-.33 | 20-.13 | 40 lp/mm |
| 56140 | 51.0 | 5.5 | 4.8X | 11.3 | 60-.64 | 60-.60 | 240 lp/mm |
| 59350 | 51.0 | 4.0 | 14.9X | 20.7 | 40-.74 | 40-.63 | 160 lp/mm |
| 64240 | 51.0 | 5.6 | 12.0X | 29.7 | 100-.48 | 100-.24 | 150 lp/mm |
| 51720 | 51.2 | 7.3 | 3.6X | 5.8 | 60-.62 | 60-.61 | 170 lp/mm |
| 52020 | 51.2 | 7.0 | 4.8X | 6.1 | 60-.60 | 60-.59 | 170 lp/mm |
| 56930 | 51.4 | 5.6 | 13.9X | 16.4 | 80-.62 | 80-.38 | 160 lp/mm |
| 22260 | 51.5 | 2.8 | 4.4X | 9.9 | 40-.70 | 40-.65 | 200 lp/mm |
| 22260 | 51.5 | 2.8 | 4.4X | 9.9 | 50-.50 | 50-.58 | 220 lp/mm |
| 27200 | 51.5 | 3.2 | 9.0X | 14.6 | 100-.50 | 100-.40 | 240 lp/mm |
| 56930 | 51.5 | 5.6 | 14.0X | 16.4 | 80-.52 | 80-.36 | 200 lp/mm |
| 54560 | 51.7 | 3.5 | 10.2X | 10.6 | 40-.80 | 40-.80 | 160 lp/mm |
| 62220 | 51.8 | 5.6 | 7.5X | 13.8 | 100-.52 | 100-.46 | 200 lp/mm |
| 65200 | 51.8 | 3.0 | 1.0X | 7.0 | 50-.56 | 50-.50 | 180 lp/mm |
| 12630 | 52.5 | 1.0 | 4.0X | 5.3 | 24-.90 | 24-.45 | 80 lp/mm |
| 20550 | 53.2 | 5.0 | 3.5X | 18.9 | 50-.75 | 50-.28 | 90 lp/mm |
| 24170 | 53.2 | 4.0 | 2.8X | 16.9 | 50-.50 | 50-.50 | 90 lp/mm |
| 67960 | 53.2 | 4.0 | 2.9X | 16.3 | 40-.82 | 40-.65 | 140 lp/mm |
| 58250 | 53.5 | 4.0 | 1.3X | 15.3 | 40-.29 | 40-.31 | 100 lp/mm |
| 67060 | 53.6 | 2.8 | 5.4X | 9.1 | 150-.45 | 150-.45 | 400 lp/mm |
| 59030 | 54.2 | 3.9 | 1.3X | 14.2 | 35-.54 | 35-.35 | 60 lp/mm |
| 63810 | 54.5 | 6.8 | 63.3X | 23.8 | 20-.86 | 20-.54 | 120 lp/mm |
| 56050 | 55.1 | 1.3 | 2.0X | 18.1 | 30-.35 | 15-.22 | 24 lp/mm |
| 62700 | 55.4 | 2.8 | 20.0X | 20.5 | 80-.44 | 80-.12 | 100 lp/mm |
| 56660 | 55.5 | 2.8 | 1.4X | 31.3 | 10-.45 | 4-.05 | 4 lp/mm |
| 66900 | 55.5 | 4.0 | 25.0X | 7.3 | 100-.64 | 100-.26 | 160 lp/mm |
| 21250 | 55.7 | 4.2 | 7.9X | 17.0 | 24-.86 | 24-.54 | 65 lp/mm |
| 22510 | 55.7 | 7.5 | 7.9X | 19.3 | 24-.82 | 24-.75 | 120 lp/mm |
| 24480 | 55.7 | 6.8 | 7.9X | 21.5 | 25-.86 | 25-.75 | 120 lp/mm |
| 63630 | 56.5 | 3.5 | 5.6X | 12.9 | 100-.73 | 100-.60 | 260 lp/mm |
| 65090 | 56.6 | 1.2 | 4.0X | 18.0 | 20-.62 | 20-.38 | 60 lp/mm |
| 54080 | 57.0 | 3.5 | 10.0X | 13.3 | 50-.20 | 50-.20 | 60 lp/mm |
| 55120 | 57.3 | 1.9 | 1.0X | 27.6 | 30-.18 | 9-.12 | 10 lp/mm |
| 53800 | 57.5 | 1.9 | 1.0X | 26.8 | 15-.34 | 15-.24 | 30 lp/mm |

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| STOCK # | (mm) | F/# | MAGNIFICATION | ANGLE | MTF AXIS | MTF EDGE | LIMITING |
|---------|------|------|---------------|-----------|---------------------|---------------------|------------|
| | EFL | | | HALF | RESOLUTION | RESOLUTION | RESOLUTION |
| | | | | (degrees) | (lp/mm – contrast) | (lp/mm – contrast) | |
| 55980 | 57.8 | 16.0 | 1.2X | 25.7 | 5-.82 | 5-.10 | 7 lp/mm |
| 55980 | 57.8 | 16.0 | 1.7X | 28.4 | 30-.58 | 6-.10 | 6 lp/mm |
| 60970 | 58.3 | 8.0 | 1.2X | 26.9 | 20-.67 | 10-.17 | 20 lp/mm |
| 69580 | 58.4 | 2.0 | 1.5X | 14.8 | 26-.32 | 16-.24 | 30 lp/mm |
| 57300 | 58.8 | 3.9 | 1.3X | 13.8 | 20-.88 | 20-.82 | 120 lp/mm |
| 71735 | 59.0 | 3.5 | 10.0X | 17.9 | 20-.66 | 10-.26 | 35 lp/mm |
| 63780 | 59.2 | 2.0 | 4.4X | 8.2 | 75-.82 | 75-.57 | 230 lp/mm |
| 56090 | 59.4 | 1.9 | 1.4X | 24.1 | 15-.31 | 15-.17 | 18 lp/mm |
| 55390 | 59.6 | 1.2 | 2.0X | 21.7 | 30-.22 | 15-.31 | 21 lp/mm |
| 56670 | 60.5 | 2.8 | 1.0X | 32.2 | 10-.10 | 10-.07 | 10 lp/mm |
| 20980 | 60.8 | 6.2 | 1.5X | 19.8 | 35-.86 | 35-.74 | 120 lp/mm |
| 52015 | 61.0 | 9.0 | 3.6X | 4.8 | 72-.41 | 72-.41 | 140 lp/mm |
| 53810 | 61.0 | 1.9 | 1.1X | 26.2 | 15-.28 | 15-.20 | 20 lp/mm |
| 63230 | 61.1 | 2.2 | 5.6X | 8.4 | 100-.72 | 100-.72 | 320 lp/mm |
| 22380 | 61.2 | 6.2 | 1.4X | 18.7 | 36-.70 | 36-.55 | 110 lp/mm |
| 58820 | 61.3 | 2.4 | 5.5X | 9.3 | 160-.52 | 160-.33 | 260 lp/mm |
| 59360 | 61.8 | 5.6 | 11.7X | 21.0 | 30-.78 | 30-.48 | 90 lp/mm |
| 52950 | 62.0 | 3.4 | 9.0X | 4.0 | 60-.57 | 60-.36 | 140 lp/mm |
| 55480 | 62.1 | 2.0 | 1.0X | 20.4 | 3-.32 | 3-.18 | 7 lp/mm |
| 63020 | 62.3 | 9.0 | 7.2X | 34.4 | 8-.87 | 8-.67 | 32 lp/mm |
| 55690 | 62.7 | 2.8 | 8.0X | 8.6 | 140-.29 | 140-.32 | 240 lp/mm |
| 56920 | 63.4 | 4.0 | 1.0X | 19.5 | 7-.70 | 7-.18 | 12 lp/mm |
| 21660 | 63.6 | 0.9 | 2.8X | 11.1 | 18-.78 | 18-.28 | 24 lp/mm |
| 21690 | 63.6 | 0.9 | 2.8X | 10.7 | 18-.80 | 18-.28 | 26 lp/mm |
| 65890 | 64.0 | 7.0 | 16.0X | 21.9 | 100-.43 | 80-.20 | 100 lp/mm |
| 25750 | 64.9 | 2.8 | 0.0X | 18.0 | 56-.70 | 56-.38 | 100 lp/mm |
| 25750 | 64.9 | 2.8 | 0.0X | 18.4 | 56-.70 | 56-.35 | 120 lp/mm |
| 29170 | 64.9 | 2.8 | 0.0X | 20.5 | 56-.74 | 56-.35 | 120 lp/mm |
| 56330 | 65.0 | 8.0 | 0.0X | 45.0 | 15-.86 | 15-.15 | 20 lp/mm |
| 58960 | 65.1 | 8.0 | 0.0X | 52.5 | 20-.81 | 20-.14 | 30 lp/mm |
| 52760 | 65.6 | 15.3 | 1.3X | 0.4 | 14-.52 | 14-.52 | 45 lp/mm |
| 62590 | 65.8 | 4.5 | 5.4X | 3.9 | 40-.68 | 40-.53 | 140 lp/mm |
| 50730 | 66.1 | 4.5 | 11.8X | 10.3 | 20-.65 | 20-.63 | 70 lp/mm |
| 52770 | 66.2 | 21.0 | 1.1X | 0.5 | 18-.46 | 18-.46 | 40 lp/mm |
| 69880 | 66.7 | 1.2 | 2.8X | 11.3 | 10-.92 | 10-.50 | 30 lp/mm |
| 52010 | 67.0 | 10.3 | 3.0X | 4.2 | 60-.40 | 60-.40 | 100 lp/mm |
| 57350 | 67.0 | 3.5 | 20.0X | 11.3 | 20-.45 | 20-.21 | 50 lp/mm |
| 66270 | 67.2 | 4.0 | 4.6X | 12.0 | 90-.44 | 90-.34 | 220 lp/mm |
| 60510 | 67.6 | 5.6 | 10.5X | 15.1 | 120-.42 | 120-.24 | 180 lp/mm |
| 61200 | 67.8 | 1.6 | 7.7X | 7.3 | 80-.72 | 40-.68 | 120 lp/mm |
| 25389 | 68.3 | 4.0 | 9.0X | 15.9 | 25-.60 | 20-.78 | 200 lp/mm |
| 25390 | 68.3 | 4.0 | 8.9X | 15.9 | 35-.84 | 35-.70 | 160 lp/mm |
| 26670 | 68.3 | 4.0 | 14.1X | 21.4 | 50-.34 | 50-.32 | 80 lp/mm |
| 52780 | 68.5 | 16.8 | 1.0X | 0.5 | 20-.52 | 20-.52 | 50 lp/mm |
| 66880 | 68.5 | 4.0 | 20.0X | 7.4 | 100-.45 | 100-.38 | 200 lp/mm |
| 25370 | 69.2 | 5.4 | 8.9X | 15.7 | 36-.50 | 36-.50 | 120 lp/mm |
| 21160 | 69.3 | 4.0 | 20.0X | 7.3 | 100-.64 | 100-.42 | 220 lp/mm |
| 55710 | 69.8 | 2.8 | 7.0X | 8.7 | 140-.32 | 140-.32 | 240 lp/mm |
| 55650 | 70.0 | 6.6 | 14.5X | 16.0 | 50-.70 | 50-.33 | 150 lp/mm |
| 76222 | 70.0 | 5.6 | 0.0X | 18.0 | 50-.75 | 50-.42 | 160 lp/mm |
| 58360 | 71.0 | 2.8 | 7.0X | 8.0 | 140-.56 | 140-.51 | 260 lp/mm |
| 23170 | 71.2 | 2.4 | 1.8X | 1.9 | 25-.42 | 25-.35 | 45 lp/mm |
| 52940 | 71.3 | 3.9 | 7.5X | 3.4 | 70-.48 | 70-.39 | 200 lp/mm |

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| STOCK # | (mm) | F/# | MAGNIFICATION | ANGLE | MTF AXIS | MTF EDGE | LIMITING |
|---------|------|------|---------------|-----------|---------------------|---------------------|------------|
| | EFL | | | HALF | RESOLUTION | RESOLUTION | RESOLUTION |
| | | | | (degrees) | (lp/mm – contrast) | (lp/mm – contrast) | |
| 66130 | 71.7 | 4.0 | 1.6X | 9.2 | 50-.78 | 50-.55 | 150 lp/mm |
| 54950 | 72.1 | 8.0 | 5.3X | 5.3 | 100-.38 | 100-.32 | 160 lp/mm |
| 53000 | 73.2 | 6.3 | 9.4X | 17.3 | 30-.57 | 30-.49 | 65 lp/mm |
| 56740 | 74.6 | 4.5 | 5.0X | 24.1 | 15-.72 | 15-.25 | 25 lp/mm |
| 52040 | 74.9 | 12.2 | 2.4X | 3.6 | 48-.40 | 48-.40 | 85 lp/mm |
| 57230 | 74.9 | 4.5 | 12.2X | 18.1 | 30-.42 | 30-.42 | 90 lp/mm |
| 57530 | 74.9 | 5.0 | 12.2X | 18.1 | 50-.59 | 50-.34 | 90 lp/mm |
| 54070 | 75.0 | 2.5 | 0.0X | 11.1 | 20-.44 | 20-.54 | 40 lp/mm |
| 66350 | 75.0 | 4.0 | 1.6X | 8.9 | 50-.92 | 50-.82 | 200 lp/mm |
| 71705 | 75.0 | 3.5 | 8.0X | 28.3 | 80-.25 | 75-.20 | 130 lp/mm |
| 71759 | 75.0 | 4.5 | 8.0X | 28.3 | 100-.38 | 100-.32 | 160 lp/mm |
| 27500 | 75.8 | 5.5 | 4.5X | 11.2 | 60-.45 | 60-.48 | 200 lp/mm |
| 65540 | 76.9 | 5.0 | 25.0X | 15.8 | 30-.58 | 30-.60 | 85 lp/mm |
| 24190 | 79.5 | 7.0 | 4.9X | 21.6 | 15-.82 | 15-.70 | 60 lp/mm |
| 25140 | 79.5 | 5.6 | 4.9X | 24.0 | 56-.0 | 56-.00 | 56 lp/mm |
| 21860 | 80.0 | 2.8 | 0.0X | 10.0 | 20-.52 | 20-.24 | 30 lp/mm |
| 25190 | 80.0 | 4.0 | 3.5X | 11.3 | 80-.42 | 50-.30 | 100 lp/mm |
| 73035 | 80.0 | 4.5 | 8.0X | 28.3 | 80-.30 | 75-.25 | 130 lp/mm |
| 73975 | 80.0 | 4.0 | 8.0X | 28.3 | 80-.35 | 75-.30 | 160 lp/mm |
| 73817 | 80.1 | 4.0 | 3.4X | 13.0 | 40-.65 | 40-.30 | 140 lp/mm |
| 67980 | 80.2 | 4.0 | 9.0X | 10.8 | 100-.50 | 100-.38 | 200 lp/mm |
| 50000 | 80.3 | 13.0 | 20.0X | 13.3 | 20-.67 | 20-.56 | 35 lp/mm |
| 59490 | 80.7 | 3.5 | 4.8X | 15.2 | 40-.72 | 40-.59 | 180 lp/mm |
| 66290 | 81.1 | 4.0 | 1.0X | 4.8 | 50-.50 | 50-.38 | 125 lp/mm |
| 52035 | 83.0 | 14.5 | 1.8X | 3.0 | 54-.19 | 54-.19 | 65 lp/mm |
| 67360 | 83.4 | 11.0 | 1.9X | 25.6 | 14-.90 | 14-.78 | 150 lp/mm |
| 25330 | 83.5 | 4.0 | 14.6X | 14.0 | 70-.62 | 70-.55 | 200 lp/mm |
| 53670 | 84.0 | 3.0 | 0.0X | 3.0 | 50-.42 | 50-.20 | 80 lp/mm |
| 51000 | 84.2 | 16.0 | 1.2X | 15.5 | 25-.46 | 25-.40 | 45 lp/mm |
| 25530 | 84.3 | 4.0 | 28.9X | 13.9 | 72-.75 | 72-.54 | 150 lp/mm |
| 25600 | 84.3 | 5.6 | 20.0X | 15.2 | 75-.36 | 75-.32 | 110 lp/mm |
| 52930 | 84.3 | 4.8 | 6.0X | 2.9 | 60-.64 | 60-.58 | 220 lp/mm |
| 25800 | 84.9 | 2.8 | 0.0X | 14.3 | 56-.70 | 56-.55 | 140 lp/mm |
| 68910 | 85.0 | 6.7 | 4.5X | 18.1 | 25-.72 | 25-.72 | 125 lp/mm |
| 20960 | 85.8 | 6.2 | 4.3X | 19.1 | 35-.68 | 35-.64 | 120 lp/mm |
| 22360 | 85.8 | 6.2 | 5.0X | 19.2 | 36-.74 | 36-.72 | 160 lp/mm |
| 52270 | 86.7 | 1.7 | 3.5X | 7.5 | 20-.56 | 20-.56 | 70 lp/mm |
| 20520 | 87.2 | 3.1 | 0.0X | 27.5 | 8-.94 | 8-.60 | 50 lp/mm |
| 68780 | 87.8 | 6.2 | 4.7X | 18.5 | 20-.84 | 20-.54 | 120 lp/mm |
| 68790 | 87.8 | 6.2 | 4.7X | 18.5 | 20-.84 | 20-.54 | 120 lp/mm |
| 22660 | 88.0 | 5.8 | 4.7X | 20.7 | 80-.32 | 60-.20 | 100 lp/mm |
| 25210 | 88.1 | 5.8 | 4.8X | 18.6 | 45-.62 | 45-.60 | 120 lp/mm |
| 68130 | 88.5 | 8.0 | 4.5X | 17.5 | 30-.75 | 30-.72 | 120 lp/mm |
| 62165 | 88.6 | 4.7 | 8.0X | 12.2 | 20-.65 | 20-.45 | 50 lp/mm |
| 23150 | 88.9 | 2.3 | 2.8X | 0.5 | 50-.20 | 50-.18 | 100 lp/mm |
| 66250 | 88.9 | 5.0 | 2.7X | 8.0 | 40-.80 | 40-.75 | 200 lp/mm |
| 22320 | 89.4 | 5.8 | 4.7X | 18.3 | 25-.75 | 25-.75 | 120 lp/mm |
| 56750 | 89.7 | 4.5 | 5.0X | 20.5 | 25-.54 | 25-.28 | 50 lp/mm |
| 29960 | 89.9 | 3.5 | 0.0X | 13.5 | 127-.55 | 127-.34 | 300 lp/mm |
| 64710 | 89.9 | 1.0 | 0.0X | 8.2 | 20-.90 | 20-.70 | 120 lp/mm |
| 20130 | 90.0 | 4.5 | 0.0X | 5.0 | 100-.40 | 100-.35 | 220 lp/mm |
| 54250 | 90.0 | 3.0 | 24.0X | 16.6 | 80-.26 | 80-.26 | 200 lp/mm |
| 58870 | 90.0 | 8.0 | 10.5X | 12.4 | 20-.86 | 20-.82 | 160 lp/mm |

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| STOCK # | (mm) | F/# | MAGNIFICATION | ANGLE | MTF AXIS | MTF EDGE | LIMITING |
|---------|-------|------|---------------|-----------|---------------------|---------------------|------------|
| | EFL | | | HALF | RESOLUTION | RESOLUTION | RESOLUTION |
| | | | | (degrees) | (lp/mm – contrast) | (lp/mm – contrast) | |
| 63560 | 90.0 | 3.0 | 24.0X | 16.4 | 120-.30 | 100-.20 | 160 lp/mm |
| 71440 | 90.0 | 4.5 | 8.0X | 24.2 | 80-.30 | 75-.25 | 130 lp/mm |
| 72219 | 90.0 | 4.5 | 8.0X | 24.2 | 80-.40 | 75-.35 | 160 lp/mm |
| 52045 | 91.0 | 16.9 | 1.4X | 2.5 | 40-.21 | 40-.21 | 50 lp/mm |
| 50770 | 92.3 | 10.0 | 2.4X | 11.9 | 50-.54 | 50-.48 | 110 lp/mm |
| 55510 | 94.0 | 2.0 | 3.4X | 11.1 | 50-.22 | 50-.30 | 80 lp/mm |
| 57600 | 94.0 | 2.8 | 3.4X | 11.3 | 30-.63 | 30-.54 | 200 lp/mm |
| 50710 | 94.1 | 8.0 | 2.4X | 9.9 | 50-.57 | 50-.41 | 85 lp/mm |
| 51320 | 94.2 | 2.3 | 3.5X | 7.1 | 50-.57 | 50-.50 | 140 lp/mm |
| 20770 | 99.0 | 2.0 | 39.0X | 8.1 | 35-.58 | 35-.46 | 160 lp/mm |
| 21000 | 99.0 | 2.0 | 38.9X | 8.1 | 100-.42 | 100-.22 | 240 lp/mm |
| 59240 | 99.3 | 2.8 | 2.3X | 10.0 | 80-.38 | 80-.26 | 160 lp/mm |
| 57200 | 99.4 | 4.1 | 2.1X | 7.5 | 120-.22 | 120-.20 | 200 lp/mm |
| 52820 | 100.7 | 12.9 | 1.5X | 0.8 | 30-.54 | 30-.52 | 70 lp/mm |
| 60920 | 100.8 | 1.4 | 4.6X | 2.7 | 80-.62 | 40-.60 | 140 lp/mm |
| 24890 | 100.9 | 5.6 | 4.9X | 16.6 | 60-.62 | 60-.58 | 200 lp/mm |
| 60360 | 101.3 | 2.8 | 0.0X | 12.2 | 30-.28 | 30-.10 | 30 lp/mm |
| 52800 | 101.9 | 14.4 | 1.3X | 0.7 | 24-.52 | 24-.50 | 60 lp/mm |
| 52810 | 102.1 | 13.6 | 1.4X | 0.7 | 24-.56 | 24-.54 | 65 lp/mm |
| 58380 | 102.2 | 2.8 | 4.0X | 9.0 | 140-.35 | 140-.24 | 220 lp/mm |
| 52790 | 102.7 | 15.2 | 1.1X | 0.6 | 20-.56 | 20-.54 | 55 lp/mm |
| 58190 | 102.8 | 7.0 | 4.4X | 15.2 | 20-.80 | 20-.68 | 120 lp/mm |
| 52910 | 102.9 | 6.1 | 4.5X | 2.2 | 60-.64 | 60-.60 | 210 lp/mm |
| 65500 | 104.1 | 31.4 | 20.0X | 10.4 | 20-.42 | 20-.20 | 25 lp/mm |
| 65400 | 104.2 | 5.6 | 1.0X | 20.3 | 15-.78 | 15-.40 | 30 lp/mm |
| 56310 | 104.6 | 2.8 | 4.0X | 9.3 | 80-.32 | 80-.31 | 160 lp/mm |
| 56770 | 104.9 | 4.5 | 5.0X | 17.7 | 20-.62 | 20-.36 | 40 lp/mm |
| 54010 | 105.0 | 4.5 | 2.0X | 7.2 | 30-.64 | 30-.34 | 60 lp/mm |
| 54367 | 105.0 | 5.0 | 15.9X | 11.0 | 50-.55 | 50-.19 | 70 lp/mm |
| 56390 | 105.0 | 4.5 | 7.0X | 23.2 | 70-.35 | 65-.30 | 140 lp/mm |
| 58900 | 105.0 | 4.5 | 8.4X | 25.7 | 10-.44 | 10-.14 | 14 lp/mm |
| 71706 | 105.0 | 4.5 | 7.0X | 23.2 | 80-.40 | 75-.35 | 160 lp/mm |
| 55900 | 106.2 | 5.6 | 3.3X | 9.8 | 120-.38 | 120-.36 | 220 lp/mm |
| 61610 | 106.2 | 5.0 | 35.0X | 24.9 | 20-.70 | 20-.28 | 50 lp/mm |
| 62770 | 106.3 | 5.0 | 35.0X | 25.0 | 50-.43 | 10-.12 | 15 lp/mm |
| 20150 | 106.5 | 2.0 | 2.8X | 1.3 | 100-.72 | 100-.72 | 400 lp/mm |
| 61690 | 107.2 | 5.6 | 2.0X | 25.2 | 30-.48 | 30-.32 | 60 lp/mm |
| 61320 | 109.2 | 5.0 | 0.0X | 14.6 | 50-.56 | 50-.27 | 80 lp/mm |
| 66230 | 109.4 | 5.6 | 1.4X | 5.1 | 40-.72 | 40-.66 | 140 lp/mm |
| 20410 | 109.6 | 5.6 | 0.9X | 10.2 | 55-.55 | 55-.48 | 120 lp/mm |
| 22020 | 109.9 | 5.5 | 0.9X | 10.1 | 55-.46 | 55-.45 | 110 lp/mm |
| 21320 | 110.1 | 5.6 | 0.9X | 10.2 | 55-.56 | 55-.50 | 130 lp/mm |
| 21340 | 110.1 | 5.6 | 0.9X | 11.3 | 50-.60 | 50-.42 | 120 lp/mm |
| 51530 | 110.1 | 4.0 | 8.0X | 2.3 | 100-.45 | 100-.37 | 220 lp/mm |
| 50690 | 110.2 | 16.0 | 1.2X | 11.4 | 40-.21 | 40-.17 | 45 lp/mm |
| 61860 | 110.2 | 16.0 | 1.3X | 16.3 | 12-.71 | 12-.59 | 30 lp/mm |
| 51870 | 110.4 | 5.6 | 1.0X | 27.4 | 10-.58 | 10-.21 | 16 lp/mm |
| 63250 | 110.5 | 8.0 | 1.0X | 18.4 | 20-.36 | 20-.34 | 44 lp/mm |
| 63400 | 110.9 | 11.0 | 1.3X | 16.3 | 12-.76 | 12-.71 | 60 lp/mm |
| 50180 | 111.0 | 4.5 | 1.0X | 27.8 | 10-.45 | 10-.24 | 20 lp/mm |
| 51700 | 111.3 | 5.6 | 1.0X | 27.2 | 10-.62 | 10-.18 | 14 lp/mm |
| 55930 | 111.4 | 4.5 | 1.0X | 28.5 | 10-.42 | 10-.32 | 13 lp/mm |
| 51900 | 111.7 | 4.5 | 1.0X | 27.0 | 10-.63 | 10-.41 | 22 lp/mm |

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| STOCK # | (mm) | F/# | MAGNIFICATION | ANGLE | MTF AXIS | MTF EDGE | LIMITING |
|---------|-------|------|---------------|-----------|---------------------|---------------------|------------|
| | EFL | | | HALF | RESOLUTION | RESOLUTION | RESOLUTION |
| | | | | (degrees) | (lp/mm – contrast) | (lp/mm – contrast) | |
| 61520 | 112.0 | 8.0 | 1.0X | 18.1 | 15-.70 | 15-.68 | 45 lp/mm |
| 21800 | 113.4 | 8.0 | 0.0X | 3.6 | 50-.44 | 50-.36 | 180 lp/mm |
| 57330 | 114.2 | 4.0 | 2.2X | 7.6 | 120-.28 | 120-.28 | 220 lp/mm |
| 59620 | 114.2 | 5.6 | 2.0X | 17.5 | 40-.60 | 40-.48 | 120 lp/mm |
| 20930 | 114.9 | 5.6 | 1.4X | 12.6 | 40-.72 | 40-.58 | 130 lp/mm |
| 54650 | 115.0 | 10.3 | 3.0X | 19.8 | 20-.79 | 20-.48 | 60 lp/mm |
| 68550 | 115.0 | 5.0 | 1.4X | 12.6 | 40-.72 | 40-.58 | 130 lp/mm |
| 52900 | 115.1 | 7.1 | 3.8X | 1.9 | 80-.45 | 80-.42 | 180 lp/mm |
| 23990 | 115.4 | 5.9 | 1.2X | 14.9 | 50-.57 | 50-.55 | 140 lp/mm |
| 24350 | 115.4 | 5.9 | 1.2X | 14.9 | 50-.57 | 50-.55 | 140 lp/mm |
| 23990 | 115.7 | 5.5 | 4.3X | 14.6 | 50-.76 | 50-.78 | 150 lp/mm |
| 27090 | 119.6 | 2.8 | 0.0X | 10.2 | 66-.46 | 66-.40 | 135 lp/mm |
| 61730 | 122.5 | 5.6 | 1.3X | 3.7 | 100-.22 | 100-.22 | 160 lp/mm |
| 59970 | 122.8 | 5.6 | 2.0X | 16.0 | 40-.70 | 40-.54 | 120 lp/mm |
| 53740 | 123.2 | 10.3 | 2.5X | 17.0 | 20-.72 | 20-.72 | 85 lp/mm |
| 69530 | 123.2 | 4.0 | 4.7X | 12.7 | 55-.62 | 55-.55 | 140 lp/mm |
| 54320 | 124.7 | 4.4 | 13.0X | 10.5 | 30-.66 | 30-.18 | 70 lp/mm |
| 54320 | 125.0 | 4.4 | 13.0X | 10.7 | 30-.68 | 30-.22 | 70 lp/mm |
| 58840 | 125.6 | 16.0 | 1.6X | 10.8 | 25-.32 | 25-.32 | 30 lp/mm |
| 66860 | 125.9 | 10.0 | 10.0X | 8.0 | 75-.40 | 75-.22 | 110 lp/mm |
| 50270 | 126.2 | 2.8 | 0.0X | 9.2 | 40-.21 | 40-.11 | 45 lp/mm |
| 56780 | 126.6 | 5.6 | 5.0X | 18.2 | 20-.65 | 20-.48 | 60 lp/mm |
| 56590 | 126.8 | 11.0 | 1.0X | 1.5 | 36-.30 | 36-.30 | 70 lp/mm |
| 53540 | 127.0 | 3.2 | 28.0X | 21.4 | 10-.74 | 10-.35 | 25 lp/mm |
| 61630 | 127.0 | 3.5 | 28.0X | 21.1 | 10-.76 | 10-.32 | 25 lp/mm |
| 26960 | 127.1 | 2.8 | 0.0X | 7.5 | 56-.18 | 40-.15 | 60 lp/mm |
| 62190 | 128.0 | 4.4 | 5.0X | 31.0 | 20-.48 | 20-.44 | 80 lp/mm |
| 68260 | 128.0 | 10.0 | 10.0X | 7.9 | 75-.44 | 75-.22 | 118 lp/mm |
| 51590 | 129.6 | 6.0 | 6.7X | 1.9 | 100-.24 | 100-.24 | 200 lp/mm |
| 21140 | 129.8 | 4.0 | 10.0X | 9.0 | 100-.42 | 100-.26 | 200 lp/mm |
| 52890 | 131.3 | 8.6 | 3.0X | 1.6 | 60-.45 | 60-.42 | 140 lp/mm |
| 64670 | 131.9 | 5.6 | 1.1X | 16.8 | 20-.67 | 20-.53 | 50 lp/mm |
| 66570 | 131.9 | 8.0 | 0.9X | 16.8 | 20-.65 | 20-.60 | 60 lp/mm |
| 67900 | 131.9 | 8.0 | 1.0X | 15.9 | 20-.68 | 20-.60 | 70 lp/mm |
| 52860 | 134.1 | 10.1 | 2.3X | 1.2 | 45-.54 | 45-.52 | 120 lp/mm |
| 27810 | 135.0 | 2.8 | 0.0X | 9.1 | 56-.55 | 56-.38 | 150 lp/mm |
| 53720 | 135.0 | 12.0 | 1.6X | 20.7 | 20-.53 | 20-.59 | 55 lp/mm |
| 60950 | 135.0 | 28.0 | 1.6X | 20.7 | 25-.54 | 25-.52 | 56 lp/mm |
| 71530 | 135.0 | 4.5 | 5.0X | 31.0 | 20-.35 | 20-.30 | 70 lp/mm |
| 71702 | 135.0 | 4.5 | 5.0X | 31.0 | 20-.48 | 20-.44 | 80 lp/mm |
| 90160 | 135.0 | 11.0 | 6.9X | 7.6 | 60-.50 | 60-.38 | 120 lp/mm |
| 60410 | 135.2 | 5.6 | 1.0X | 16.7 | 14-.66 | 14-.61 | 50 lp/mm |
| 50340 | 135.6 | 5.0 | 1.0X | 23.3 | 8-.76 | 8-.38 | 16 lp/mm |
| 51020 | 135.8 | 5.6 | 1.0X | 23.3 | 8-.56 | 8-.40 | 12 lp/mm |
| 65030 | 135.8 | 4.5 | 8.3X | 1.5 | 90-.30 | 90-.30 | 250 lp/mm |
| 60710 | 136.4 | 11.0 | 2.0X | 18.3 | 24-.58 | 24-.58 | 70 lp/mm |
| 60670 | 136.5 | 11.0 | 2.0X | 18.2 | 24-.76 | 24-.52 | 80 lp/mm |
| 54540 | 136.7 | 4.5 | 1.0X | 24.6 | 7-.58 | 7-.22 | 12 lp/mm |
| 53270 | 137.6 | 4.5 | 1.0X | 29.2 | 6-.90 | 6-.52 | 12 lp/mm |
| 53580 | 138.0 | 4.5 | 1.0X | 24.8 | 12-.62 | 12-.18 | 20 lp/mm |
| 60630 | 138.0 | 12.0 | 1.0X | 24.8 | 20-.40 | 20-.24 | 40 lp/mm |
| 58170 | 139.1 | 10.9 | 2.5X | 13.9 | 20-.75 | 20-.66 | 85 lp/mm |
| 56790 | 139.6 | 5.0 | 5.0X | 16.6 | 20-.70 | 20-.38 | 36 lp/mm |

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| STOCK # | (mm) | F/# | MAGNIFICATION | ANGLE | MTF AXIS | MTF EDGE | LIMITING |
|---------|-------|------|---------------|-----------|---------------------|---------------------|------------|
| | EFL | | | HALF | RESOLUTION | RESOLUTION | RESOLUTION |
| | | | | (degrees) | (lp/mm – contrast) | (lp/mm – contrast) | |
| 56510 | 139.7 | 6.3 | 1.0X | 45.0 | 10-.39 | 10-.10 | 10 lp/mm |
| 53590 | 139.8 | 4.5 | 1.0X | 24.5 | 10-.48 | 10-.30 | 20 lp/mm |
| 55950 | 141.0 | 4.0 | 2.2X | 7.1 | 120-.32 | 120-.28 | 240 lp/mm |
| 52840 | 143.1 | 11.4 | 1.8X | 1.0 | 40-.50 | 40-.48 | 90 lp/mm |
| 65260 | 144.5 | 19.3 | 1.0X | 21.0 | 6-.85 | 6-.75 | 30 lp/mm |
| 50020 | 145.5 | 16.0 | 10.0X | 14.6 | 20-.70 | 20-.10 | 20 lp/mm |
| 50040 | 145.8 | 16.0 | 10.0X | 14.6 | 20-.73 | 15-.18 | 20 lp/mm |
| 64060 | 146.5 | 6.5 | 31.3X | 4.7 | 20-.85 | 20-.62 | 75 lp/mm |
| 23500 | 146.6 | 1.9 | 1.0X | 10.0 | 7-.18 | 7-.10 | 7 lp/mm |
| 56190 | 149.6 | 5.0 | 1.0X | 27.1 | 10-.44 | 10-.40 | 18 lp/mm |
| 53200 | 149.7 | 5.0 | 1.0X | 27.5 | 10-.38 | 10-.18 | 12 lp/mm |
| 55790 | 149.8 | 4.0 | 1.0X | 27.7 | 8-.56 | 8-.24 | 14 lp/mm |
| 60430 | 149.8 | 5.6 | 1.0X | 14.1 | 14-.64 | 14-.61 | 50 lp/mm |
| 71710 | 150.0 | 4.5 | 5.0X | 28.0 | 20-.48 | 20-.44 | 80 lp/mm |
| 50260 | 150.2 | 4.5 | 1.0X | 28.0 | 10-.72 | 10-.63 | 20 lp/mm |
| 55600 | 150.5 | 6.3 | 1.3X | 21.3 | 8-.78 | 8-.60 | 20 lp/mm |
| 59660 | 151.7 | 5.6 | 2.0X | 16.7 | 40-.68 | 40-.48 | 110 lp/mm |
| 58540 | 152.5 | 16.0 | 1.0X | 34.6 | 10-.64 | 10-.58 | 25 lp/mm |
| 20460 | 153.0 | 6.4 | 8.1X | 37.3 | 3-.75 | 3-.17 | 4 lp/mm |
| 73058 | 154.6 | 9.3 | 1.2X | 19.4 | 4-.42 | 4-.31 | 20 lp/mm |
| 54380 | 154.9 | 5.1 | 1.0X | 5.9 | 8-.64 | 8-.40 | 15 lp/mm |
| 55830 | 156.4 | 13.5 | 1.8X | 7.0 | 20-.68 | 20-.59 | 60 lp/mm |
| 58180 | 157.5 | 13.7 | 1.8X | 10.5 | 20-.68 | 20-.65 | 80 lp/mm |
| 57450 | 158.3 | 4.0 | 1.0X | 26.5 | 8-.58 | 8-.30 | 14 lp/mm |
| 51510 | 158.9 | 5.7 | 5.3X | 1.5 | 120-.22 | 120-.22 | 200 lp/mm |
| 55830 | 160.0 | 13.8 | 1.7X | 6.6 | 20-.65 | 20-.60 | 60 lp/mm |
| 56640 | 160.8 | 5.0 | 1.5X | 20.8 | 16-.26 | 16-.31 | 24 lp/mm |
| 54790 | 162.2 | 5.0 | 1.5X | 20.8 | 10-.58 | 10-.32 | 24 lp/mm |
| 20680 | 163.2 | 6.8 | 8.1X | 26.4 | 3-.78 | 3-.70 | 8 lp/mm |
| 56810 | 164.2 | 5.0 | 5.0X | 22.3 | 14-.55 | 14-.30 | 24 lp/mm |
| 57940 | 164.2 | 4.5 | 5.0X | 18.1 | 20-.34 | 20-.14 | 35 lp/mm |
| 21480 | 164.8 | 11.0 | 1.0X | 41.5 | 10-.82 | 10-.05 | 10 lp/mm |
| 52180 | 165.0 | 8.0 | 1.0X | 40.7 | 10-.55 | 10-.10 | 10 lp/mm |
| 61650 | 165.0 | 4.5 | 4.0X | 11.5 | 10-.80 | 10-.60 | 25 lp/mm |
| 64810 | 165.1 | 11.0 | 1.0X | 46.1 | 10-.80 | 4-.17 | 8 lp/mm |
| 61650 | 165.4 | 4.5 | 15.0X | 12.8 | 20-.67 | 20-.16 | 35 lp/mm |
| 53310 | 165.6 | 4.5 | 1.0X | 28.1 | 5-.36 | 5-.12 | 7 lp/mm |
| 53330 | 165.8 | 4.5 | 1.0X | 31.1 | 5-.72 | 5-.12 | 6 lp/mm |
| 54030 | 165.8 | 4.5 | 1.0X | 31.1 | 5-.72 | 5-.12 | 6 lp/mm |
| 55830 | 168.0 | 14.4 | 1.3X | 5.8 | 20-.52 | 20-.32 | 40 lp/mm |
| 60530 | 169.7 | 5.6 | 1.0X | 13.5 | 35-.48 | 35-.49 | 100 lp/mm |
| 27130 | 170.0 | 2.8 | 0.0X | 7.2 | 56-.44 | 56-.34 | 100 lp/mm |
| 62520 | 170.4 | 5.6 | 1.0X | 13.5 | 35-.64 | 35-.38 | 80 lp/mm |
| 51490 | 176.5 | 6.3 | 4.7X | 1.3 | 120-.24 | 120-.24 | 200 lp/mm |
| 59100 | 177.6 | 6.1 | 1.6X | 27.0 | 8-.85 | 8-.32 | 30 lp/mm |
| 66750 | 179.0 | 11.0 | 1.0X | 28.9 | 5-.88 | 5-.07 | 5 lp/mm |
| 54520 | 179.9 | 4.5 | 1.0X | 23.7 | 10-.58 | 10-.38 | 24 lp/mm |
| 22890 | 180.1 | 8.8 | 0.0X | 9.1 | 20-.65 | 10-.30 | 18 lp/mm |
| 53880 | 184.1 | 12.0 | 1.9X | 15.4 | 20-.67 | 20-.64 | 70 lp/mm |
| 63210 | 186.2 | 6.9 | 4.2X | 1.9 | 45-.56 | 45-.45 | 70 lp/mm |
| 56820 | 189.6 | 5.6 | 5.0X | 19.6 | 20-.48 | 20-.37 | 30 lp/mm |
| 61670 | 190.0 | 4.5 | 5.0X | 12.5 | 10-.80 | 10-.37 | 12 lp/mm |
| 61670 | 190.7 | 4.5 | 15.0X | 13.9 | 20-.32 | 20-.15 | 20 lp/mm |

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| STOCK # | (mm) | F/# | MAGNIFICATION | ANGLE | MTF AXIS | MTF EDGE | LIMITING |
|---------|-------|------|---------------|-----------|---------------------|---------------------|------------|
| | EFL | | | HALF | RESOLUTION | RESOLUTION | RESOLUTION |
| | | | | (degrees) | (lp/mm – contrast) | (lp/mm – contrast) | |
| 53470 | 194.2 | 6.7 | 1.5X | 16.0 | 12-.58 | 12-.35 | 30 lp/mm |
| 51450 | 194.8 | 7.2 | 4.0X | 1.1 | 100-.20 | 100-.20 | 160 lp/mm |
| 53460 | 197.3 | 6.7 | 1.4X | 16.5 | 12-.70 | 12-.48 | 28 lp/mm |
| 59120 | 198.1 | 5.6 | 1.3X | 24.9 | 8-.78 | 8-.40 | 24 lp/mm |
| 53440 | 199.2 | 6.7 | 1.4X | 16.9 | 10-.64 | 10-.62 | 24 lp/mm |
| 53420 | 200.7 | 6.7 | 1.3X | 17.3 | 10-.64 | 10-.40 | 22 lp/mm |
| 53870 | 201.0 | 18.0 | 1.2X | 14.7 | 20-.53 | 20-.45 | 38 lp/mm |
| 53610 | 202.5 | 6.7 | 1.0X | 19.3 | 10-.60 | 10-.48 | 30 lp/mm |
| 53400 | 203.1 | 6.7 | 1.0X | 19.2 | 10-.48 | 10-.52 | 18 lp/mm |
| 57640 | 204.6 | 5.0 | 1.0X | 14.9 | 10-.40 | 10-.35 | 30 lp/mm |
| 52120 | 209.5 | 11.0 | 1.0X | 43.2 | 10-.22 | 10-.12 | 12 lp/mm |
| 55410 | 209.5 | 11.0 | 1.0X | 31.2 | 10-.28 | 10-.28 | 20 lp/mm |
| 55410 | 209.5 | 11.0 | 1.0X | 34.7 | 10-.62 | 10-.32 | 14 lp/mm |
| 59990 | 209.6 | 8.0 | 1.0X | 21.6 | 10-.49 | 10-.27 | 25 lp/mm |
| 51560 | 209.9 | 16.0 | 1.0X | 34.6 | 10-.70 | 10-.70 | 24 lp/mm |
| 51560 | 209.9 | 11.0 | 1.0X | 34.6 | 10-.58 | 10-.40 | 24 lp/mm |
| 51970 | 209.9 | 22.0 | 1.0X | 33.2 | 12-.56 | 12-.35 | 20 lp/mm |
| 65220 | 210.1 | 9.0 | 5.6X | 16.0 | 50-.44 | 50-.42 | 140 lp/mm |
| 59200 | 214.0 | 8.0 | 1.0X | 19.6 | 10-.56 | 10-.52 | 30 lp/mm |
| 56830 | 215.6 | 6.5 | 5.0X | 17.5 | 20-.68 | 20-.40 | 70 lp/mm |
| 51370 | 216.1 | 8.3 | 3.3X | 1.0 | 100-.24 | 100-.24 | 140 lp/mm |
| 76765 | 216.3 | 4.0 | 15.0X | 19.9 | 10-.72 | 6-.36 | 16 lp/mm |
| 58120 | 229.4 | 5.0 | 1.0X | 18.1 | 8-.62 | 8-.60 | 26 lp/mm |
| 62540 | 231.1 | 6.3 | 3.9X | 14.8 | 40-.79 | 40-.48 | 140 lp/mm |
| 51850 | 237.7 | 10.0 | 1.0X | 34.2 | 10-.59 | 10-.22 | 20 lp/mm |
| 59260 | 239.5 | 9.0 | 1.0X | 29.8 | 10-.70 | 10-.38 | 24 lp/mm |
| 58320 | 240.7 | 3.8 | 10.0X | 6.0 | 6-.67 | 6-.22 | 9 lp/mm |
| 59510 | 240.7 | 9.0 | 1.0X | 29.7 | 10-.68 | 10-.20 | 16 lp/mm |
| 52160 | 240.8 | 3.2 | 1.0X | 22.1 | 3-.65 | 2-.06 | 2 lp/mm |
| 55840 | 241.3 | 4.5 | 1.0X | 13.4 | 8-.62 | 8-.38 | 20 lp/mm |
| 55850 | 241.3 | 4.5 | 1.0X | 13.6 | 10-.79 | 10-.58 | 30 lp/mm |
| 52980 | 243.3 | 5.0 | 1.0X | 21.5 | 10-.45 | 10-.37 | 20 lp/mm |
| 63190 | 250.0 | 6.8 | 2.1X | 2.2 | 27-.62 | 27-.62 | 70 lp/mm |
| 57990 | 253.0 | 11.0 | 1.0X | 32.8 | 12-.38 | 8-.30 | 12 lp/mm |
| 56850 | 254.1 | 5.0 | 5.0X | 19.7 | 14-.48 | 14-.30 | 26 lp/mm |
| 56570 | 254.2 | 10.0 | 1.0X | 38.0 | 10-.32 | 10-.30 | 20 lp/mm |
| 69650 | 255.4 | 6.9 | 8.7X | 20.7 | 6-.25 | 6-.30 | 8 lp/mm |
| 51380 | 260.1 | 11.1 | 2.2X | 0.7 | 50-.42 | 50-.42 | 90 lp/mm |
| 60480 | 261.0 | 11.0 | 1.0X | 31.9 | 8-.25 | 8-.27 | 20 lp/mm |
| 55880 | 266.7 | 12.0 | 1.0X | 36.7 | 10-.44 | 10-.42 | 20 lp/mm |
| 51420 | 270.0 | 11.6 | 2.0X | 0.7 | 50-.35 | 50-.35 | 80 lp/mm |
| 68010 | 270.4 | 5.3 | 5.3X | 22.1 | 6-.42 | 6-.25 | 7 lp/mm |
| 63170 | 271.0 | 10.2 | 1.0X | 2.0 | 14-.80 | 14-.80 | 70 lp/mm |
| 55300 | 273.0 | 10.0 | 1.0X | 36.0 | 10-.35 | 10-.35 | 20 lp/mm |
| 52420 | 273.4 | 10.0 | 1.0X | 36.0 | 10-.30 | 10-.25 | 18 lp/mm |
| 51410 | 275.0 | 12.4 | 1.9X | 0.7 | 50-.32 | 50-.32 | 75 lp/mm |
| 56610 | 276.8 | 5.6 | 2.4X | 15.9 | 40-.32 | 40-.28 | 80 lp/mm |
| 51430 | 278.7 | 14.1 | 1.5X | 0.5 | 40-.23 | 40-.20 | 56 lp/mm |
| 51400 | 279.9 | 12.9 | 1.8X | 0.6 | 50-.32 | 50-.32 | 75 lp/mm |
| 51460 | 286.0 | 16.2 | 1.2X | 0.4 | 30-.32 | 30-.30 | 48 lp/mm |
| 51440 | 286.3 | 15.4 | 1.3X | 0.5 | 30-.30 | 30-.26 | 48 lp/mm |
| 55630 | 300.0 | 8.0 | 1.0X | 13.1 | 12-.64 | 12-.61 | 50 lp/mm |
| 69300 | 300.1 | 11.0 | 4.8X | 25.9 | 6-.36 | 6-.18 | 9 lp/mm |

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| STOCK # | (mm) | F/# | MAGNIFICATION | ANGLE | MTF AXIS | MTF EDGE | LIMITING |
|---------|--------|------|---------------|-----------|---------------------|---------------------|------------|
| | EFL | | | HALF | RESOLUTION | RESOLUTION | RESOLUTION |
| | | | | (degrees) | (lp/mm – contrast) | (lp/mm – contrast) | |
| 58760 | 300.5 | 6.3 | 10.0X | 28.1 | 5-.52 | 5-.10 | 5 lp/mm |
| 20500 | 301.3 | 10.0 | 0.0X | 0.5 | 50-.50 | 50-.50 | 120 lp/mm |
| 53340 | 301.8 | 11.0 | 1.0X | 25.2 | 10-.59 | 10-.61 | 30 lp/mm |
| 56860 | 301.9 | 6.3 | 5.0X | 16.7 | 14-.61 | 14-.21 | 24 lp/mm |
| 52560 | 303.3 | 6.8 | 1.0X | 24.5 | 10-.50 | 10-.29 | 20 lp/mm |
| 52060 | 304.8 | 10.0 | 1.0X | 33.1 | 10-.58 | 10-.12 | 10 lp/mm |
| 55540 | 304.8 | 10.0 | 1.0X | 33.0 | 10-.42 | 10-.28 | 20 lp/mm |
| 62940 | 305.0 | 11.0 | 1.0X | 24.5 | 12-.60 | 12-.34 | 28 lp/mm |
| 54090 | 305.1 | 9.0 | 1.0X | 24.2 | 14-.48 | 14-.42 | 30 lp/mm |
| 57360 | 305.1 | 6.8 | 1.0X | 27.2 | 10-.34 | 10-.24 | 15 lp/mm |
| 62200 | 305.1 | 9.0 | 1.0X | 24.2 | 10-.42 | 10-.32 | 24 lp/mm |
| 54760 | 306.8 | 5.6 | 1.7X | 14.2 | 25-.33 | 25-.27 | 70 lp/mm |
| 54500 | 307.1 | 5.6 | 1.6X | 14.3 | 25-.50 | 25-.41 | 70 lp/mm |
| 53130 | 308.2 | 5.6 | 1.8X | 13.8 | 25-.65 | 25-.45 | 75 lp/mm |
| 53030 | 309.7 | 6.8 | 1.0X | 26.9 | 12-.50 | 12-.20 | 24 lp/mm |
| 54660 | 319.8 | 6.3 | 13.4X | 26.2 | 2-.90 | 2-.17 | 3 lp/mm |
| 53360 | 328.3 | 5.8 | 1.4X | 10.6 | 30-.42 | 30-.42 | 70 lp/mm |
| 64010 | 350.1 | 5.0 | 1.0X | 17.9 | 10-.36 | 10-.16 | 14 lp/mm |
| 59780 | 355.4 | 10.0 | 1.0X | 23.4 | 12-.46 | 12-.16 | 18 lp/mm |
| 54590 | 372.0 | 11.0 | 1.0X | 21.3 | 12-.42 | 8-.12 | 11 lp/mm |
| 57810 | 372.0 | 11.0 | 1.0X | 20.3 | 12-.46 | 12-.44 | 30 lp/mm |
| 56880 | 374.4 | 7.5 | 5.0X | 19.9 | 14-.74 | 14-.38 | 26 lp/mm |
| 51750 | 376.5 | 16.0 | 1.0X | 20.2 | 12-.70 | 12-.62 | 40 lp/mm |
| 51750 | 376.5 | 9.0 | 1.0X | 20.2 | 10-.76 | 10-.53 | 40 lp/mm |
| 68690 | 400.0 | 5.6 | 8.0X | 19.5 | 12-.70 | 12-.40 | 40 lp/mm |
| 51580 | 410.9 | 16.0 | 1.0X | 14.8 | 10-.55 | 10-.44 | 28 lp/mm |
| 55990 | 456.5 | 10.0 | 1.0X | 23.5 | 10-.50 | 10-.50 | 30 lp/mm |
| 28140 | 482.8 | 3.6 | 1.0X | 0.4 | 80-.54 | 80-.48 | 200 lp/mm |
| 28140 | 504.5 | 2.7 | 1.0X | 0.4 | 120-.35 | 120-.28 | 200 lp/mm |
| 61890 | 540.0 | 16.0 | 1.0X | 22.0 | 12-.67 | 12-.40 | 30 lp/mm |
| 55380 | 1529.2 | 10.0 | 11.0X | 6.1 | 5-.34 | 5-.34 | 7 lp/mm |
| 55490 | 1574.9 | 11.0 | 36.0X | 9.4 | 3-.66 | 3-.13 | 4 lp/mm |
| 55940 | 1574.9 | 11.0 | 13.7X | 9.1 | 3-.61 | 3-.10 | 3 lp/mm |
| 53510 | 1703.3 | 12.0 | 16.5X | 5.7 | 10-.69 | 10-.70 | 35 lp/mm |