

# 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	<b>16</b>	<b>20</b>	<b>25</b>	30	<b>32</b>	38	<b>40</b>	<b>50</b>	<b>63</b>
3.2	19	<b>20</b>	<b>25</b>	<b>32</b>	38	<b>40</b>	48	<b>50</b>	<b>63</b>	<b>80</b>
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	<b>25</b>	<b>32</b>	<b>40</b>	48	<b>50</b>	60	<b>63</b>	<b>80</b>	<b>100</b>
4.3	26	27	34	43	52	54	65	70	86	110
5	30	<b>32</b>	<b>40</b>	<b>50</b>	60	<b>63</b>	75	<b>80</b>	<b>100</b>	<b>125</b>
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	<b>40</b>	<b>50</b>	<b>63</b>	75	<b>80</b>	95	<b>100</b>	<b>125</b>	<b>160</b>
6.5	39	41	52	65	78	81	100	105	130	165
8	48	<b>50</b>	<b>63</b>	<b>80</b>	96	<b>100</b>	120	<b>125</b>	<b>160</b>	<b>200</b>
10	60	<b>63</b>	<b>80</b>	<b>100</b>	120	<b>125</b>	150	<b>160</b>	<b>200</b>	<b>250</b>
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	<b>80</b>	<b>100</b>	<b>125</b>	150	<b>160</b>	185	<b>200</b>	<b>250</b>	<b>320</b>
13	78	82	105	130	155	165	195	210	260	325
16	96	<b>100</b>	<b>125</b>	<b>160</b>	190	<b>200</b>	240	<b>250</b>	<b>320</b>	<b>400</b>
16.5	100	105	130	165	200	205	250	265	330	410
20	120	<b>125</b>	<b>160</b>	<b>200</b>	240	<b>250</b>	300	<b>320</b>	<b>400</b>	<b>500</b>
22	130	135	175	220	265	275	330	350	440	550
23	140	145	185	230	275	290	345	370	460	575
25	150	<b>160</b>	<b>200</b>	<b>250</b>	300	<b>320</b>	375	<b>400</b>	<b>500</b>	<b>630</b>
29	175	185	230	290	350	365	435	465	580	725
32	190	<b>200</b>	<b>250</b>	<b>320</b>	385	<b>400</b>	480	<b>500</b>	<b>630</b>	<b>800</b>
40	240	<b>250</b>	<b>320</b>	<b>400</b>	480	<b>500</b>	600	<b>630</b>	<b>800</b>	<b>1000</b>
45	270	285	360	450	540	560	675	720	900	1125
50	300	<b>320</b>	<b>400</b>	<b>500</b>	600	<b>630</b>	750	<b>800</b>	<b>1000</b>	<b>1250</b>
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	<b>400</b>	<b>500</b>	<b>630</b>	750	<b>800</b>	950	<b>1000</b>	<b>1250</b>	<b>1600</b>
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	<b>500</b>	<b>630</b>	<b>800</b>	960	<b>1000</b>	1200	<b>1250</b>	<b>1600</b>	<b>2000</b>
90	540	570	720	900	1100	1125	1350	1450	1800	2250
95	570	600	760	950	1150	1200	1425	1525	1900	2375
100	600	<b>630</b>	<b>800</b>	<b>1000</b>	1200	<b>1250</b>	1500	<b>1600</b>	<b>2000</b>	<b>2500</b>
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	<b>800</b>	<b>1000</b>	<b>1250</b>	1500	<b>1600</b>	1875	<b>2000</b>	<b>2500</b>	<b>3200</b>
160	960	<b>1000</b>	<b>1250</b>	<b>1600</b>	1925	<b>2000</b>	2400	<b>2500</b>	<b>3200</b>	<b>4000</b>

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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