

Telescope Eyepiece Magnification Chart



Aperture	Focal Length	Focal Ratio	Highest Useful Magnification	Eyepiece For Max Magnification
70mm (2.7 inch)	280mm	f/4	175x	2mm
70mm (2.7 inch)	350mm	f/5	175x	2mm
70mm (2.7 inch)	420mm	f/6	175x	3mm
70mm (2.7 inch)	490mm	f/7	175x	3mm
70mm (2.7 inch)	560mm	f/8	175x	4mm
70mm (2.7 inch)	630mm	f/9	175x	4mm
70mm (2.7 inch)	700mm	f/10	175x	4mm
70mm (2.7 inch)	770mm	f/11	175x	5mm
70mm (2.7 inch)	840mm	f/12	175x	5mm
70mm (2.7 inch)	910mm	f/13	175x	6mm
70mm (2.7 inch)	980mm	f/14	175x	6mm
70mm (2.7 inch)	1050mm	f/15	175x	6mm
80mm (3.2 inch)	320mm	f/4	200x	2mm
80mm (3.2 inch)	400mm	f/5	200x	2mm
80mm (3.2 inch)	480mm	f/6	200x	3mm
80mm (3.2 inch)	560mm	f/7	200x	3mm
80mm (3.2 inch)	640mm	f/8	200x	4mm
80mm (3.2 inch)	720mm	f/9	200x	4mm
80mm (3.2 inch)	800mm	f/10	200x	4mm
80mm (3.2 inch)	880mm	f/11	200x	5mm
80mm (3.2 inch)	960mm	f/12	200x	5mm
80mm (3.2 inch)	1040mm	f/13	200x	6mm
80mm (3.2 inch)	1120mm	f/14	200x	6mm
80mm (3.2 inch)	1200mm	f/15	200x	6mm
90mm (3.5 inch)	360mm	f/4	225x	2mm
90mm (3.5 inch)	450mm	f/5	225x	2mm
90mm (3.5 inch)	540mm	f/6	225x	3mm
90mm (3.5 inch)	630mm	f/7	225x	3mm
90mm (3.5 inch)	720mm	f/8	225x	4mm
90mm (3.5 inch)	810mm	f/9	225x	4mm
90mm (3.5 inch)	900mm	f/10	225x	4mm
90mm (3.5 inch)	990mm	f/11	225x	5mm
90mm (3.5 inch)	1080mm	f/12	225x	5mm
90mm (3.5 inch)	1170mm	f/13	225x	6mm
90mm (3.5 inch)	1260mm	f/14	225x	6mm
90mm (3.5 inch)	1350mm	f/15	225x	6mm
102mm (4 inch)	408mm	f/4	255x	2mm
102mm (4 inch)	510mm	f/5	255x	2mm
102mm (4 inch)	612mm	f/6	255x	3mm
102mm (4 inch)	714mm	f/7	255x	3mm
102mm (4 inch)	816mm	f/8	255x	4mm
102mm (4 inch)	918mm	f/9	255x	4mm
102mm (4 inch)	1020mm	f/10	255x	4mm
102mm (4 inch)	1122mm	f/11	255x	5mm
102mm (4 inch)	1224mm	f/12	255x	5mm
102mm (4 inch)	1326mm	f/13	255x	6mm
102mm (4 inch)	1428mm	f/14	255x	6mm
102mm (4 inch)	1530mm	f/15	255x	6mm
114mm (4.5 inch)	456mm	f/4	285x	2mm
114mm (4.5 inch)	570mm	f/5	285x	2mm
114mm (4.5 inch)	684mm	f/6	285x	3mm
114mm (4.5 inch)	798mm	f/7	285x	3mm
114mm (4.5 inch)	912mm	f/8	285x	4mm
114mm (4.5 inch)	1026mm	f/9	285x	4mm
114mm (4.5 inch)	1140mm	f/10	285x	4mm
114mm (4.5 inch)	1254mm	f/11	285x	5mm
114mm (4.5 inch)	1368mm	f/12	285x	5mm
114mm (4.5 inch)	1482mm	f/13	285x	6mm
114mm (4.5 inch)	1596mm	f/14	285x	6mm
114mm (4.5 inch)	1710mm	f/15	285x	6mm
127mm (5 inch)	508mm	f/4	317.5x	2mm
127mm (5 inch)	635mm	f/5	317.5x	2mm
127mm (5 inch)	762mm	f/6	317.5x	3mm
127mm (5 inch)	889mm	f/7	317.5x	3mm
127mm (5 inch)	1016mm	f/8	317.5x	4mm
127mm (5 inch)	1143mm	f/9	317.5x	4mm
127mm (5 inch)	1270mm	f/10	317.5x	4mm
127mm (5 inch)	1397mm	f/11	317.5x	5mm
127mm (5 inch)	1524mm	f/12	317.5x	5mm
127mm (5 inch)	1651mm	f/13	317.5x	6mm
127mm (5 inch)	1778mm	f/14	317.5x	6mm
127mm (5 inch)	1905mm	f/15	317.5x	6mm
130mm (5.1 inch)	520mm	f/4	325x	2mm
130mm (5.1 inch)	650mm	f/5	325x	2mm
130mm (5.1 inch)	780mm	f/6	325x	3mm
130mm (5.1 inch)	910mm	f/7	325x	3mm
130mm (5.1 inch)	1040mm	f/8	325x	4mm
130mm (5.1 inch)	1170mm	f/9	325x	4mm
130mm (5.1 inch)	1300mm	f/10	325x	4mm
130mm (5.1 inch)	1430mm	f/11	325x	5mm
130mm (5.1 inch)	1560mm	f/12	325x	5mm
130mm (5.1 inch)	1690mm	f/13	325x	6mm
130mm (5.1 inch)	1820mm	f/14	325x	6mm
130mm (5.1 inch)	1950mm	f/15	325x	6mm
150mm (6 inch)	600mm	f/4	375x	2mm
150mm (6 inch)	750mm	f/5	375x	2mm
150mm (6 inch)	900mm	f/6	375x	3mm
150mm (6 inch)	1050mm	f/7	375x	3mm
150mm (6 inch)	1200mm	f/8	375x	4mm
150mm (6 inch)	1350mm	f/9	375x	4mm
150mm (6 inch)	1500mm	f/10	375x	4mm
150mm (6 inch)	1650mm	f/11	375x	5mm
150mm (6 inch)	1800mm	f/12	375x	5mm
150mm (6 inch)	1950mm	f/13	375x	6mm
150mm (6 inch)	2100mm	f/14	375x	6mm
150mm (6 inch)	2250mm	f/15	375x	6mm
203mm (8 inch)	812mm	f/4	507.5x	2mm
203mm (8 inch)	1015mm	f/5	507.5x	2mm
203mm (8 inch)	1218mm	f/6	507.5x	3mm
203mm (8 inch)	1421mm	f/7	507.5x	3mm
203mm (8 inch)	1624mm	f/8	507.5x	4mm
203mm (8 inch)	1827mm	f/9	507.5x	4mm
203mm (8 inch)	2030mm	f/10	507.5x	4mm
203mm (8 inch)	2233mm	f/11	507.5x	5mm
203mm (8 inch)	2436mm	f/12	507.5x	5mm
203mm (8 inch)	2639mm	f/13	507.5x	6mm
203mm (8 inch)	2842mm	f/14	507.5x	6mm
203mm (8 inch)	3045mm	f/15	507.5x	6mm
254mm (10 inch)	1016mm	f/4	635x	2mm
254mm (10 inch)	1270mm	f/5	635x	2mm
254mm (10 inch)	1524mm	f/6	635x	3mm
254mm (10 inch)	1778mm	f/7	635x	3mm
254mm (10 inch)	2032mm	f/8	635x	4mm
254mm (10 inch)	2286mm	f/9	635x	4mm
254mm (10 inch)	2540mm	f/10	635x	4mm
254mm (10 inch)	2794mm	f/11	635x	5mm
254mm (10 inch)	3048mm	f/12	635x	5mm
254mm (10 inch)	3302mm	f/13	635x	6mm
254mm (10 inch)	3556mm	f/14	635x	6mm
254mm (10 inch)	3810mm	f/15	635x	6mm
305mm (12 inch)	1220mm	f/4	762.5x	2mm
305mm (12 inch)	1525mm	f/5	762.5x	2mm
305mm (12 inch)	1830mm	f/6	762.5x	3mm
305mm (12 inch)	2135mm	f/7	762.5x	3mm
305mm (12 inch)	2440mm	f/8	762.5x	4mm
305mm (12 inch)	2745mm	f/9	762.5x	4mm
305mm (12 inch)	3050mm	f/10	762.5x	4mm
305mm (12 inch)	3355mm	f/11	762.5x	5mm
305mm (12 inch)	3660mm	f/12	762.5x	5mm
305mm (12 inch)	3965mm	f/13	762.5x	6mm
305mm (12 inch)	4270mm	f/14	762.5x	6mm
305mm (12 inch)	4575mm	f/15	762.5x	6mm