

# Clamping Range of Baader Solar Filters (inner / outer)



Producing  
Solar Safety  
Films for  
25 Years

## ASTF – Baader Solar Filter for high-end Telescopes (including temperature compensated filter cell)

Item #	Filter Name	ideally suited for aperture range ~	Aperture (mm /inch)	Outer Cell Diameter	Net Weight (g / oz)	Clamping Range			
						contacting inner tube diameter		contacting outer tube diameter	
						with 10mm bolt	with 20mm bolt	with 10mm bolt	with 20mm bolt
2459310	ASTF 80	70 – 90	80 / 3,15	170	139 / 4.9	130 – 160	140 – 170	110 – 140	100 – 130
2459311	ASTF 100	90 – 110	100 / 3,94	190	150 / 5.3	150 <sup>(1)</sup> – 180 <sup>(2)</sup>	160 – 190	130 <sup>(3)</sup> – 160 <sup>(4)</sup>	120 – 150
2459312	ASTF 120	110 – 130	120 / 4,72	210	155 / 5.5	170 – 200	180 – 210	150 – 180	140 – 170
2459313	ASTF 140	130 – 150	140 / 5,51	230	173 / 6.1	190 – 220	200 – 230	170 – 200	160 – 190
2459314	ASTF 160	150 – 170	160 / 6,30	250	184 / 6.5	210 – 240	220 – 250	190 – 220	180 – 210
2459315	ASTF 180	170 – 190	180 / 7,09	270	195 / 6.9	230 – 260	240 – 270	210 – 240	200 – 230
2459316	ASTF 200	190 – 210	200 / 7,87	290	207 / 7.3	250 – 280	260 – 290	230 – 260	220 – 250
2459317	ASTF 240	230 – 250	240 / 9,45	330	230 / 8.1	290 – 320	300 – 330	270 – 300	260 – 290
2459318	ASTF 280	270 – 290	280 / 11,02	370	253 / 8.9	330 – 360	340 – 370	310 – 340	300 – 330

Mentioned dimensions are in mm unless noted otherwise.

## ASSF – Baader Solar Filter for Spotting Scopes, Telescopes and Camera-Lenses

Item #	Filter Name	ideally suited for aperture range ~	Aperture (mm /inch)	Outer Cell Diameter	Net Weight (g / oz)	Clamping Range	
						inner tube Ø	outer tube Ø
						with 13mm bolt	with 13mm bolt
2459335	ASSF 50	40 – 60	50 / 1,97	110	68 / 2.4	81 – 96	55 – 70
2459336	ASSF 65	55 – 75	65 / 2,56	125	77 / 2.7	96 – 111	70 – 85
2459337	ASSF 80	70 – 90	80 / 3,15	140	84 / 3.0	111 – 126	85 – 100
2459338	ASSF 100	90 – 110	100 / 3,94	160	93 / 3.3	131 – 146	105 – 120
2459339	ASSF 115	105 – 125	115 / 4,53	175	101 / 3.6	146 – 161	120 – 135
						with 10mm bolt	with 10mm bolt
2459340	ASSF 130	120 – 140	130 / 5,12	210	151 / 5.3	168 – 198	148 – 178
2459341	ASSF 150	140 – 160	150 / 5,91	230	167 / 5.9	188 – 218	168 – 198

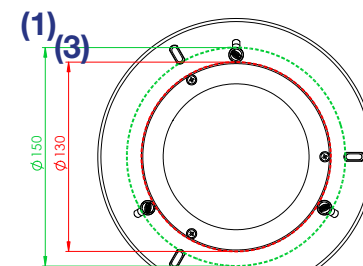
Mentioned dimensions are in mm unless noted otherwise.

## ASBF – Baader Solar Filter for Binoculars and Camera-Lenses

Item #	Filter Name	ideally suited for aperture range ~	Aperture (mm /inch)	Outer Cell Diameter	Net Weight (g / oz)	Clamping Range	
						inner tube Ø	outer tube Ø
						with 13mm bolt	with 13mm bolt
2459325	ASBF 50	40 – 60	50 / 1,97	110	68 / 2.4	81 – 96	55 – 70
2459326	ASBF 60	50 – 70	60 / 2,36	120	69 / 2.4	91 – 106	65 – 80
2459327	ASBF 70	60 – 80	70 / 2,76	130	73 / 2.6	101 – 116	75 – 90
2459328	ASBF 80	70 – 90	80 / 3,15	140	78 / 2.8	111 – 126	85 – 100
2459329	ASBF 100	90 – 110	100 / 3,94	160	87 / 3.1	131 – 146	105 – 120

Mentioned dimensions are in mm unless noted otherwise.

Align all filters with the optical aperture by adjusting the filter with the centering bolts to fit the inner or outer tube diameter.



Example: ASTF 100 with 10mm bolts

