



SA - ED - SD Series Giant Binoculars

Specs.:	SA 70-45	SA 70-90	SD 70-45	SD 70-90	SA 82-45	SA 82-90
Clear Aperture:	70mm	70mm	70mm	70mm	82mm	82mm
Focal length:	400mm	400mm	400mm	400mm	470mm	470mm
Front lens type:	Semi-Apo	Semi-Apo	SD Apo	SD Apo	Semi-Apo	Semi-Apo
Coatings:	Broadband FMC	Broadband FMC	Broadband FMC	Broadband FMC	Broadband FMC	Broadband FMC
Viewing angle:	45°	90°	45°	90°	45°	90°
Pupil distance:	56-74mm	56-74mm	56-74mm	56-74mm	54-76mm	54-76mm
Focusing:	Individual focus	Individual focus	Individual focus	Individual focus	Individual focus	Individual focus
Eyepiece diameter:	1¼" (31.7mm)	1¼" (31.7mm)	1¼" (31.7mm)	1¼" (31.7mm)	1¼" (31.7mm)	1¼" (31.7mm)
F.O.V. max.:	4.0°	4.0°	4.0°	4.0°	3.42°	3.42°
Body material:	Magnesium	Magnesium	Magnesium	Magnesium	Magnesium	Magnesium
Nitrogen filled:	yes	yes	yes	yes	yes	yes
Retractable dew cap:	yes	yes	yes	yes	yes	yes
Tripod connector:	¼-20" & 3/8"	¼-20" & 3/8"	¼-20" & 3/8"	¼-20" & 3/8"	¼-20" & 3/8"	¼-20" & 3/8"
Dimensions:	385x213x116	390x215x190mm	375x210x120mm	390x215x190mm	440x220x120mm	458x223x180mm
Body weight:	3.560g	4.000g	4.500g	4.230g	4.270g	4.720g



SA - ED - SD Series Giant Binoculars

Specs.:	SD 82-45	SD 82-90	SA 100-45	SA 100-90	ED 100-45	ED 100-90	SD 100-45
Clear Aperture:	82mm	82mm	100mm	100mm	100mm	100mm	100mm
Focal length:	470mm	470mm	550mm	550mm	550mm	550mm	550mm
Front lens type:	SD Apo	SD Apo	Semi-Apo	Semi-Apo	ED Apo	ED Apo	SD Apo
Coatings:	Broadband FMC	Broadband FMC	Broadband FMC	Broadband FMC	Broadband FMC	Broadband FMC	Broadband FMC
Viewing angle:	45°	90°	45°	90°	45°	90°	90°
Pupil distance:	54-76mm	54-76mm	54-75mm	54-75mm	54-75mm	54-75mm	54-75mm
Focusing:	Individual focus	Individual focus	Individual focus	Individual focus	Individual focus	Individual focus	Individual focus
Eyepiece diameter:	1¼" (31.7mm)	1¼" (31.7mm)	1¼" (31.7mm)	1¼" (31.7mm)	1¼" (31.7mm)	1¼" (31.7mm)	1¼" (31.7mm)
F.O.V. max.:	3.42°	3.42°	2.93°	2.93°	2.93°	2.93°	2.93°
Body material:	Magnesium	Magnesium	Magnesium	Magnesium	Al-Mg alloy	Al-Mg alloy	Al-Mg alloy
Nitrogen filled:	yes	yes	yes	yes	yes	yes	yes
Retractable dew cap:	yes	yes	yes	yes	yes	yes	yes
Tripod connector:	¼-20" & 3/8"	¼-20" & 3/8"	¼-20" & 3/8"	¼-20" & 3/8"	¼-20" & 3/8"	¼-20" & 3/8"	¼-20" & 3/8"
Dimensions:	458x223x116mm	470x225x180mm	520x270x160mm	560x270x200mm	520x270x160mm	560x270x200mm	520x270x160mm
Body weight:	4.000g	4.800g	6.790g	7.600g	7.020g	8.050g	7.280g



SA - ED - SD Series Giant Binoculars

Specs.:	SD 100-90	SA 120-45	SA 120-90	SD 120-45	SD 120-90	ED 150-45	SD 150-90
Clear Aperture:	100mm	120mm	120mm	120mm	120mm	150mm	150mm
Focal length:	550mm	660mm	660mm	660mm	660mm	840mm	840mm
Front lens type:	SD Apo	Semi-Apo	Semi-Apo	SD Apo	SD Apo	ED Apo	SD Apo
Coatings:	Broadband FMC	Broadband FMC	Broadband FMC	Broadband FMC	Broadband FMC	Broadband FMC	Broadband FMC
Viewing angle:	90°	45°	90°	45°	90°	45°	90°
Pupil distance:	54-75mm	54-75mm	54-75mm	54-75mm	54-75mm	61-75mm	61-75mm
Focusing:	Individual focus	Individual focus	Individual focus	Individual focus	Individual focus	Individual focus	Individual focus
Eyepiece diameter:	1¼" (31.7mm)	1¼" (31.7mm)	1¼" (31.7mm)	1¼" (31.7mm)	1¼" (31.7mm)	2" (50.8mm)	2" (50.8mm)
F.O.V. max.:	2.93°	2.44°	2.44°	2.44°	2.44°	2.74°	2.74°
Body material:	Al-Mg alloy	Al-Mg alloy	Al-Mg alloy	Al-Mg alloy	Al-Mg alloy	Al-Mg alloy	Al-Mg alloy
Nitrogen filled:	yes	yes	yes	yes	yes	yes	yes
Retractable dew cap:	yes	yes	yes	yes	yes	yes	yes
Tripod connector:	¼-20" & 3/8"	¼-20" & 3/8"	¼-20" & 3/8"	¼-20" & 3/8"	¼-20" & 3/8"	¼-20" & 3/8"	¼-20" & 3/8"
Dimensions:	560x270x200mm	650x285x150mm	685x285x210mm	650x285x150mm	685x285x210mm	804x371x197mm	840x372x280mm
Body weight:	8.050g	8.440g	9.330g	9.000g	9.600g	18.700g	21.800g