# BORG Series 2003 Parts Catalog

NOTE: This is a supplement to the Japanese version of the Borg Series 2003 catalog, which contains detailed photographs of each product. The heading on each page of this document indicates the corresponding page of the Japanese version, e.g., "Page 1 – Helical Focusers". To obtain a copy of the Japanese version, contact Hutech Corp. Additional information for certain parts can also be found at Hutech's website, <u>http://www.hutech.com</u>.

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Information in this catalog is subject to change. For the latest information on Borg products and pricing, visit Hutech's website at <a href="http://www.hutech.com">http://www.hutech.com</a> or e-mail us at info@hutech.com.

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Section B of SD-1X (camera adapter)	13
	M57 Helical Focuser

40.00

## Page 1 – Helical Focusers

#### 4317 Helical Focuser S (Rotating)

Borg's most economical helical focuser and the only one with a rotating movement, model 4317 is useful as a supplemental visual focuser that provides fine adjustment for a coarse rack-and-pinion focuser, or eliminates the image shift common with standard SCT focusers. This focuser attaches in front via a metric M36.4 P1.0 male thread or M35.8 P0.75 female thread, but inserts directly into a 1.25" eyepiece sleeve when used with Borg adapter 7316 (which includes threads for 1.25" eyepiece filters).

Index	none
Length	38 to 52 mm
Travel	14 mm
Weight	60 g
Ā	31.7 mm (1.25") sleeve
В	M36.4 P1.0 Male

#### 7315 Helical Focuser S (Non-rotating)

The deluxe version of model 4317, this non-rotating helical focuser includes index marks on the outside of the barrel, which greatly facilitate focusing when switching between CCD camera and eyepiece. In addition to visual use, this focuser also works well for fine focusing of CCD cameras, digital still cameras and video cameras. The front attachment is a metric M36.4 P1.0 male thread, or a 1.25" eyepiece interface when used with adapter 7316 (which includes threads for 1.25" eyepiece filters). The rear attachment includes a T-thread for direct connection to SBIG CCD cameras.

Index	50 microns
Length	50 to 60 mm
Travel	10 mm travel
Weight	80 g
А	31.7 mm (1.25") sleeve, M42 P0.75 Male
В	M36.4 P1.0 Male

#### 7757 Low Profile M57 Helical Focuser S

Borg's shortest helical focuser, model 7757 works with a variety of adapters for a wide range of interface options. Its short length is useful in accommodating accessories with long focus requirements, such as diagonals and binoviewers. This model is recommended for visual use only as its short length does not permit a focus lock screw.

Index	None
Length	22 to 32 mm
Travel	10 mm
Weight	50 g
Ā	M57 P0.75 Female
В	M57 P0.75 Male

#### 7857 M57 Helical Focuser

A versatile front end interface (M57 P0.75 male) allows this focuser to be connected to a wide variety of Borg accessories, including adapters (7901, 7910, 7911 and 7912) for third-party scopes, such as Vixen and Takahashi focuser sections. The internal diameter (47 mm) is wide enough to cover 35 mm format film.

Index	100 microns
Length	49 to 65 mm
Travel	16 mm
Weight	165 g
Ā	M57 P0.75 Female, M60 P0.75 Male
В	M57 P0.75 Male

126.00

80.00

149.00

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#### Page 1 – Helical Focusers

#### 7835 **Helical Focuser M**

This focuser is provided as standard with Series 80 scopes. Borg adapter 7428 allows this focuser to be attached to an SCT.

> Index 80 microns Length 63 to 82 mm Travel 19 mm Weight 320 g M60 P0.75 Male, M57 P0.75 Female А В M68.8 P0.75Male

#### 7837 **Helical Focuser MDX**

A heavy-duty version of the 7835 focuser. It has three locking screws and operation is smoother even when supporting the attachment of heavy accessories such as cameras or binoviewers.

Index	80 microns
Length	63 to 82 mm
Travel	19 mm
Weight	320 g
Ā	M60 P0.75 Male, M57 P0.75 Female
В	M68.8 P0.75 Male

#### 8167 **Medium Format Helical Focuser**

This is the largest focuser in the Borg helical focuser family, fully covering up to a 6x9 format film frame. It is recommended for use with Series 115 and 140 scopes.

	•
Index	80 microns
Length	115 to 146 mm
Travel	31 mm
Weight	830 a

Veight 830 g
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- А M89 P1.0 Male
- В M95 P1.0 Female

263.00

189.00

363.00

126.00

## Page 2 – M42 Helical Focuser System

Borg's M42 helical focusers let you use an M42 screw-mount lens as a macro lens with a 35mm SLR camera body. With additional parts, you can also use Nikkor EL and Leica L-mount lenses. Complete systems are detailed in the chart at the end of this document.

#### Focusers

These focusers are for an M42 screw-mount lens and a Pentax screw-mount camera body. For use with other lenses/camera bodies, additional parts are required (see chart).

#### 7841 M42 Helical Focuser L

Long travel (27-47mm) makes this focuser great for extreme closeups, or for long focal length lenses such as Leica L (requires adapter 7844).

Length	27-47 mm
Travel	20 mm
Weight	110 g
A	M42 P1.0 Female
В	M42 P1.0 Male

	В	M42 P1.0 Male	
7842	M42 Helical Focuser		91.00
	Same as focuser 7841 but shorter travel.		
	Length Travel Weight A B	15-25 mm 10 mm 80 g M42 P1.0 Female M42 P1.0 Male	
Adapter	S		
7843	M42P1 to M49.8 AD		29.00
	Connects 7841/78	42 to Borg camera mounts 5001-5009 (page 3).	
	Light path A B	1.5 mm M49.8 P0.75 Male M42 P1.0 Female	
7844	M42P1 to M39 AD		29.00
	Connects Leica L- 7841/7842.	mount lenses or EL Nikkor enlarger lens to	
	Light path A B	1.5 mm M39 P1.0 Female, M42 P1.0 Male M42 P1.0 Male	
7526	M42 to C-Mount AD		29.00
	Connects a C-mou or a Borg telescop	int camera to an M42 lens via focuser 7841/7842 e.	
	Light path A B	6 mm C mount Male M42 P1.0 Female	
7527	C-Mount to M42 AD		32.00
		a C-mount lens (normally used with a video 42P1 camera body.	
	Light path	7 mm	
	A	C mount Female	

- A C mount Female
- B M42 P1.0 Male

<u>e 2 – M4</u>	2 Helical Focuser Syste	m BOF	<u> RG Parts Catalog – Series 20</u>
7848	M42P1 to M34.5 AD		33.00
		ed Nikkor EL 50/4 lens to focuser 7841/7842 larger lens can be used as a high-resolution	
	A B	M34.5 P0.75 Male M42 P1.0 Male	
7849	M34.5 to M40.5 AD		17.00
		ed Nikkor EL lens (such as 40/4, 50/2.8, or 6 342. Should be used with adapter 7848 (M42	
	A B	M34.5 P0.75 Female M40.5 P0.75 Male	
7850	M39 to 31.7 AD		34.00
	Allows you to atta such as 4317 and		users
	A	M39 P0.75 Female	
7054		1.25" (31.7mm) sleeve	20.00
7851	M36.4 to M42P1 AD	d of eyepiece focusers 4317 and 7315 to M4	<b>39.00</b>
	male thread.		211.0
	А	M36.4 P1 Female	
	В	M42 P1.0 Male	
7852	M42P1 to M39 AD-II		32.00
	Allows Leica L-mo	ount camera body to be attached to M42 lens M42 P1.0 Female	es.
	B	M39 P1.0 Male	
Extens	ion Tubes		
7845	M42 Extension Tube	SS	29.00
	Short extension tu	be for M42 helical focuser 7841/7842.	
	Length	10 mm	
	A B	M42 P1.0 Female M42 P1.0 Male	
7846	M42 Extension Tube		34.00
/040		tube for M42 helical focuser 7841/7842.	54.00
	Length A	20 mm M42 P1.0 Female	
	В	M42 P1.0 Male	
7847	M42 Extension Tube	Μ	40.00
	Long extension tu	be for M42 helical focuser 7841/7842.	
	Length	40 mm	
	A	M42 P1.0 Female	
	В	M42 P1.0 Male	

## Page 3 – Camera Mounts

7000		amera Mounts 5001-5009 to Borg telescopes. Mount Holder 5000 when mounted behind turret	14.00
	A B	M49.8 P0.74 Male M57 P0.75 Male, M47 P0.75 Female	
7267	Multi 6x7 Camera Mo	Multi 6x7 Camera Mount	
		a Pentax 6x7 body with most Borg telescopes. ating function. The front end can also be reversed.	
	A B	M70 P0.75 Female M60 P0.75 Male, M57 P0.75 Female, M60 P0.75 Female (reversed)	
8567	Pentax 6x7 Camera M	lount	147.00
	Used to attach a Pe 8167. Has internal	entax 6x7 body to medium-format Helical Focuser thread for M70 adapters such as 8267 and 8645.	
	A B	Pentax 6x7 bayonet, M70 P0.75 Female M95 taper, M89 P1 Female	
8569	-Discontinued-		
8645	Mamiya 645 Camera I	Mount	77.00
		h a Mamiya 645 camera body to a Borg used with camera mount 7267 or 8567.	
	A B	M70 P0.75 Male Mamiya bayonet, M60 P0.75 Female	
5001-500	9* 35mm SLR Camera M	lount	23.00
	Wider internal diam	neter than standard T-ring minimizes vignetting.	
	* <u>Item No.</u> 5001 5002 5003 5004 5005 5006 5007 5008 5009	<u>Camera Type</u> Pentax S Pentax K Nikon Canon FD Canon EOS Minolta MD Minolta Alpha Olympus Yashica & Contax	

## Pages 4-5 – Digital Camera/Scope Systems

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7410	<ul> <li>SD-1X 1.25" Eyepiece Projection Adapter</li> <li>This versatile adapter lets you attach a digital still camera, digital SLR camera, digital video camera, or film-based SLR camera to a Borg scope. It consists of two sections: the "A" section that holds the eyepiece, and the "B" section that connects to the camera (via an adapter ring, 7401-7408). Special features include: <ul> <li>Two-piece construction allows easy switching between visual observing and imaging</li> <li>Rotating design allows adjustment of camera orientation</li> <li>Adjustable overall length (18mm total travel) lets you vary</li> </ul> </li> </ul>	89.00
	<ul> <li>the eyepiece-camera distance during afocal (eyepiece projection) imaging, and provides enlarging capability when using an SLR (without a camera lens).</li> <li>Supports a wide range of telescopes and cameras (using optional Borg accessories)</li> </ul>	
	<ul> <li>Can hold long eyepieces with optional extension tube</li> <li>Length: 66 to 84mm</li> <li>Outer diam.: 65mm</li> <li>Inner diam.: 53mm</li> <li>Weight: 220g</li> </ul>	
74101	Section A of SD-1X (eyepiece holder) With multiple 74101s, you can quickly switch a camera from one telescope to another.	32.00
74102	Section B of SD-1X (camera adapter) With multiple 74102s, you can quickly switch between multiple cameras on one telescope.	64.00
7395	SD-2X 2" Eyepiece Projection Adapter 2" version of the SD-1X adapter. Length: 87 to 111 mm Outer diam.: 85 mm Inner diam.: 72 mm Weight: 440g	179.00
73951	Section A of SD-2X (eyepiece holder) With multiple 73951s, you can quickly switch a camera from one telescopes to another	50.00
73952	Section B of SD-2X (camera adapter) With multiple 73952s, you can quickly switch between multiple cameras on one telescope.	134.00
7398	Extension Tube for SD-2X Allows you to use SD-2X with eyepieces that have a wide "head."	27.00
Adapter	Rings for Digital Camera/Video	
7401	M57 to M28AD Adapter Nikon Coolpix800, 900, 910, 990, 4500 Coolpix 880 with Nikon UR-E2 Coolpix 885 with Nikon UR-E4 Coolpix 5000 with Nikon UR-E6	20.00
7402	M57 to M30AD Adapter Sony PC1/2/3/5 Sony TRV-8K/10	21.00

7403	M57 to M37AD Adapter Sony DSC-S50/S30 Sony DCR/TRV Series (TRV8K/10: 7402, TRV900: 7405) Panasonic NV-GX7K Panasonic NV-GS5K with Kenko 30.5mm to 37mm AD JVC GR-DVL7/DVL700 Sharp VL-MR1 Canon Powershot 350 with a ring of 21mm to 37mm	21.00
7404	M57 to M43AD Adapter Olympus CAMEDIA series with Olympus CLA-1 Olympus 1000L/1400L/1400XL/2500L Casio QV2800SX/8000SX Casio QV-2300UX/2400UX with Casio LU-8A Canon G2 with Hakuba 46.5mm to 43mm adapter Panasonic NV-DJ100	22.00
7408	M57 to M49AD Adapter Olympus E-100RS, C-2100UZ Minolta Dimage 7/7i/7Hi	23.00
7405	M57 to M52AD Adapter Sony VX-1/700/1000/9000, TRV900, Sony TR1000/2000/3000/3300 Olympus C-2100UZ/E-100 with Kenko 49mm to 52mm AD Canon Powershot A40 with Canon LA-DC52B	23.00
7406	M57 to M55AD Adapter Fuji FinePix 4900Z/6900Z with Fuji AR-FX9	23.00
7407	M57 to M58 Adapter Canon Powershot G1 Casio QV-3500EX, QV4000 with Casio LU-35A	23.00
Telescop	be Adapters	
7424	SCT to M57/60 Adapter Meade LX200, LX90; Nexstar 4GT, 5, 8, 11; C-5, -8, -9, -11, etc.	32.00
7910	M47 to M57/60 Adapter Takahashi FC50, 60	40.00
7911	M56 to M57/60 Adapter Takahashi FC76, FS78	43.00
7912	M72 to M57/60 Adapter Takahashi FC100, 125N, FS102, 128N	51.00
7901	M60 to M57/60 Adapter Takahashi MT160, 200, Vixen ED, FL, Visac, RS200SS, etc.	32.00
7360	M43P0.75 to M57/60 Adapter Other Takahashi scopes: such as Sky 90; MT100, 130; TS160, TS80, 90	32.00
7362	M36.4 to M57/60 Adapter Other telescopes such as Mizar, Kenko, etc.	30.00
7425	2" Nosepiece Adapter (2" to M57/60) Any telescope which has 2" opening	32.00

## Pages 6-7 – Borg Telescope Accessories

### M57/60 Extension Tube

7601 7602 7603 7604	Extension Tube SS - 1 Extension Tube S - 20 Extension Tube M - 40 Extension Tube L - 60 53mm internal diam	mm (wt. 20g) mm (wt. 40g)	16.00 17.00 23.00 24.00
	A: B:	M57 P0.75 Female, M60 P0.75 Male M57 P0.75 Male	
2" Eyepie	ece Holder		
7501 7504	Eyepiece Holder SSII - Eyepiece Holder SII - 2		24.00 25.00
	Unthreaded back er diagonals.	nd makes these good for heavy accessories such as 2"	
	A (B on 7504): B (A on 7504):	M57 P0.75 Male 2" sleeve with two set screws	
2" Eyepie	ece Holder with Ext	ension Tube	
7506 7508* 7505 7509*	10mm length (wt. 30g) 20mm length (wt. 60g) 40mm length (wt. 100g 60mm length (wt. 140g	1)	20.00 21.00 26.00 28.00
	filter thread at the fr	ont end.	
		ith Series 80 tube assembly 6000.	
	A: B:	M57 P0.75 Female, 2" sleeve w/two set screws M57 P0.75 Male, 52mm filter thread	
Adapters	for 3 <sup>rd</sup> Party Scope	es to Borg M57/60 Accessories	
7901	Vixen ED, FL, VMC200		32.00
	Light path Weight	3mm 10g M57 D0 75 Female, M60 D0 75 Mala	
	A: B:	M57 P0.75 Female, M60 P0.75 Male M57 P0.75 Female, M60 P0.75 Male	
7910	Takahashi FC50, FC60		40.00
	Light path Weight A:	8mm 30g M47 P0.75 Female	
	B:	M57 P0.75 Female, M60 P0.75 Male	
7911	Takahashi FC76, FS78	, etc.	43.00
	Light path Weight A: B:	7mm 15g M56 P0.75 Female M57 P0.75 Female, M60 P0.75 Male	
7912	Takahashi FC100, -100	0N, -125N; FS102, -128, etc.	51.00
	Light path Weight A: B:	4mm 40g M57 P0.75 Female, M60 P0.75 Male M72 P1 Male, 58mm filter thread	

<u>RG Parts</u> 7913	Takahashi FS102, -12	28. EC100 etc	51.00
	For use with Borg	helical focuser 7835/7837. Internal diameter is 7912 for reduced vignetting.	01.00
	Light path Weight A: B:	5mm 18g M68.8 P0.75 Female M72 P1 Male	
SCT A	dapters		
7428	SCT to Helical Focus	er 7835/7837	40.00
	a 2" threaded oper	ch Borg helical focuser 7835/7837 to an SCT with ning. This eliminates the mirror shift exhibited by for more reliable and accurate focusing.	
	Light path Weight A: B:	29m 60g 2" Female M68.8 P0.75 Female	
7424	SCT to Borg M57/60		32.00
	Allows you to attac an SCT with a 2" t	ch Borg's wide variety of M57/60 accessories to hreaded opening.	
	Light path Weight A: B:	11mm 70g 2" Female M57 P0.75 Female	
	D.	M60 P0.75 Male	
Borg A	<sup>D.</sup> Adapters: M57/60, M4	M60 P0.75 Male	
•		M60 P0.75 Male 2, M68.8, etc.	30.00
Borg A 7362	Adapters: M57/60, M4 M57/60 to M36.4 Ada	M60 P0.75 Male 2, M68.8, etc.	30.00
•	Adapters: M57/60, M4 M57/60 to M36.4 Ada	M60 P0.75 Male 2, M68.8, etc. pter	30.00
7362	Adapters: M57/60, M4 M57/60 to M36.4 Ada Connects Borg pa Light path A: B:	M60 P0.75 Male <b>2, M68.8, etc.</b> <b>pter</b> rts to telescopes having 36.4mm thread only. 10mm M36.4 P1 Male M57 P0.75 Female, M60 P0.75	
•	Adapters: M57/60, M4 M57/60 to M36.4 Ada Connects Borg pa Light path A: B: M57 to M36.4 Adapte Converts M57 to M	M60 P0.75 Male <b>2, M68.8, etc.</b> <b>pter</b> rts to telescopes having 36.4mm thread only. 10mm M36.4 P1 Male M57 P0.75 Female, M60 P0.75	30.00 21.00
7362	Adapters: M57/60, M4 M57/60 to M36.4 Ada Connects Borg pa Light path A: B: M57 to M36.4 Adapte Converts M57 to M	M60 P0.75 Male <b>2, M68.8, etc.</b> <b>pter</b> rts to telescopes having 36.4mm thread only. 10mm M36.4 P1 Male M57 P0.75 Female, M60 P0.75 <b>r</b> M36.4. Light path is 5mm shorter than 7522,	
7362	Adapters: M57/60, M4 M57/60 to M36.4 Ada Connects Borg pa Light path A: B: M57 to M36.4 Adapte Converts M57 to M allowing greater tr Light path A:	M60 P0.75 Male 2, M68.8, etc. pter rts to telescopes having 36.4mm thread only. 10mm M36.4 P1 Male M57 P0.75 Female, M60 P0.75 r M36.4. Light path is 5mm shorter than 7522, avel on inside of focus. Threaded for 52mm filters. 4mm M36.4 P1 Female M57 P0.75 Male, 52mm filter thread	
7362 7364	Adapters: M57/60, M4 M57/60 to M36.4 Ada Connects Borg pa Light path A: B: M57 to M36.4 Adapte Converts M57 to M allowing greater tr Light path A: B: M57 to M36.4/M42 (T- Converts M57 to M popular T-ring or T	M60 P0.75 Male 2, M68.8, etc. pter rts to telescopes having 36.4mm thread only. 10mm M36.4 P1 Male M57 P0.75 Female, M60 P0.75 r M36.4. Light path is 5mm shorter than 7522, avel on inside of focus. Threaded for 52mm filters. 4mm M36.4 P1 Female M57 P0.75 Male, 52mm filter thread	21.00
7362 7364	Adapters: M57/60, M4 M57/60 to M36.4 Ada Connects Borg pa Light path A: B: M57 to M36.4 Adapte Converts M57 to M allowing greater tr Light path A: B: M57 to M36.4/M42 (T- Converts M57 to M popular T-ring or T	M60 P0.75 Male 2, M68.8, etc. pter rts to telescopes having 36.4mm thread only. 10mm M36.4 P1 Male M57 P0.75 Female, M60 P0.75 r M36.4. Light path is 5mm shorter than 7522, avel on inside of focus. Threaded for 52mm filters. 4mm M36.4 P1 Female M57 P0.75 Male, 52mm filter thread -thread) Adapter M36.4 and M42P0.75 (T-thread). Lets you connect T-thread accessories to Borg scopes. Threaded for	21.00
7362 7364 7522	Adapters: M57/60, M4 M57/60 to M36.4 Ada Connects Borg pa Light path A: B: M57 to M36.4 Adapte Converts M57 to M allowing greater tr Light path A: B: M57 to M36.4/M42 (T Converts M57 to M popular T-ring or T 52mm filters. Inclu Light path B:	M60 P0.75 Male 2, M68.8, etc. pter rts to telescopes having 36.4mm thread only. 10mm M36.4 P1 Male M57 P0.75 Female, M60 P0.75 r M36.4. Light path is 5mm shorter than 7522, avel on inside of focus. Threaded for 52mm filters. 4mm M36.4 P1 Female M57 P0.75 Male, 52mm filter thread -thread Adapter M36.4 and M42P0.75 (T-thread). Lets you connect -thread accessories to Borg scopes. Threaded for ded with Series 80 tube assembly 6000. 9mm M57 P0.75 Male, 52mm filter thread M57 P0.75 Male, 52mm filter thread M36.4 P1 Female, M42 P0.75 Male	21.00
7362 7364	Adapters: M57/60, M4 M57/60 to M36.4 Ada Connects Borg pa Light path A: B: M57 to M36.4 Adapte Converts M57 to M allowing greater tr Light path A: B: M57 to M36.4/M42 (T- Converts M57 to M popular T-ring or T 52mm filters. Inclu Light path B: A: M57 to M42P1 Adapte Converts M57 to M	M60 P0.75 Male 2, M68.8, etc. pter rts to telescopes having 36.4mm thread only. 10mm M36.4 P1 Male M57 P0.75 Female, M60 P0.75 r M36.4. Light path is 5mm shorter than 7522, avel on inside of focus. Threaded for 52mm filters. 4mm M36.4 P1 Female M57 P0.75 Male, 52mm filter thread -thread Adapter M36.4 and M42P0.75 (T-thread). Lets you connect -thread accessories to Borg scopes. Threaded for ded with Series 80 tube assembly 6000. 9mm M57 P0.75 Male, 52mm filter thread M57 P0.75 Male, 52mm filter thread M36.4 P1 Female, M42 P0.75 Male	21.00 21.00

<u>Pages 6-7 –</u>	Borg Telescope Access	bries BC	DRG Parts Catalog – Series 2003
7431	M57 to M43 (Vixen) Adapter		23.00
	Converts M57 to M filters.	143P1 (Vixen accessories). Threaded for 5	52mm
	A: B:	M43 P1 Female M57 P0.75 Male, 52mm filter thread	
7430	M57 to M43 (Takahas	hi) Adapter	21.00
	Converts M57 to M 49mm filters.	43P0.75 (Takahashi accessories). Thread	led for
	A: B:	M43 P0.75 Female M57 P0.75 Male, 49mm filter thread	
7524	M42 to M57/M60 Ada	oter	32.00
	Allows you to conn such as 7841 and	ect M57/M60 parts behind M42 helical foc 7842.	cusers
	Light path A: B:	5mm M57 P0.75 Female, M60 P0.75 Male M42 P1 Female	
7525	M42 to M36.4 Adapte	r	29.00
	Allows you to conr as 7841 and 7842.	ect M36.4 parts behind M42 helical focus	ers such
	Light path A: B:	6mm M36.4 P1 Female, M42 P1 Male M42 P1 Female	
7502	M57 to 2" Male Adapt	er	31.00
	Allows you to conn Threaded for 52mr	ect SCT accessories to Borg M57/M60 pa n filters.	irts.
	Light path A: B:	5mm 2" Male M57 P0.75 Male, 52mm filter thread	
7507	M68.8 to M57 Adapte		32.00
1501	•	ect M57 parts directly to a drawtube witho	
		ocuser such as model M (7835) or MDX (7	
	Light path A:	7mm M57 P0.75 Female	
	B:	M68.8 P0.75 Male	
7510	M60 to M57 Adapter		17.00
	Allows you to conv 52mm and 55mm t	ert from M60 to M57 and vice versa. Thre ilters.	aded for
	Light path A: B:	5mm M57 P0.75 Male, 52mm filter thread M60 P0.75 Male, 55mm filter thread	
7360	M43P0.75 (Takahashi	) to M57/60 Adapter	32.00
	Allows you to attac Borg M57/60 parts	h M43 P0.75 thread (Takahashi) accesso	ries to
	Light path	8mm	
	A: B:	M43 P0.75 Male M57 P0.75 Female, M60 P0.75 Male	
7460	M60 to M60 Adapter		32.00
1-100	Used to connect tv	vo M60 parts.	02.00
	A:	M60 P0.75 Female	
	B:	M60 P0.75 Female	

#### 7351 M57 Rotating Ring

Rotating ring with M57 threads and 47mm internal diameter.

Light path	19mm
Weight	60g
A:	M57 P0.75 Male
B:	M57 P0.75 Female, M60 P0.75 Male

#### 7200 Super Image Shift

Allows you to locate a guide star while the guide scope is fixed. 50mm diameter field of view. 4 lock screws. Threaded for 52mm filters.

Light path	26mm
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- Weight 550g
  - A: M57 P0.75 Female
  - B: M57 P0.75 Male, 52mm filter thread

184.00

66.00

## Page 8 – Eyepieces and Accessories

Eyepiece	es	
4013	WO13.5 – 13.5mm Wide Ortho (fully coated) 1.25" O.D., 70° apparent field of view. Included in SWII Ultra-light System. Weighs 40g.	25.00
4022	SWK22 – 22mm Super-Wide Kellner (fully coated) 1.25" O.D., 64° apparent field of view. Included in SWII set. Weighs 40g.	20.00
4050	H50 – 50mm Huygens (monocoated) 2" O.D., 45° apparent field of view. Included in SWII set. Weighs 50g.	22.00
Accesso	ries	
7201	Mini Drawtube Mini-size drawtube can attach to M57 parts. Has 48mm filter thread. Length: 30-80mm Travel: 50 mm Weight: 130 g A: M57 P0.75 Male, 48mm filter thread B: M57 P0.75 Female	43.00
7320	RF-1 Focuser Base Plate Base plate for home-made telescopes. Has two set screws and four adjustment screws to adjust the tilt of the plate. Can be used with Helical Focusers M (7835) and MDX (7837). Dimensions: 98mm × 75mm Light Path: 10mm Weight: 100 g	87.00
Adapters	6	
7396	<ul> <li>2" to 1.25" ADII – 2" to 1.25" Low Profile Adapter</li> <li>2" to 1.25" adapter with very low profile (2mm height). Holds eyepiece in place by compression/friction instead of a set screw. The 2" end is threaded for 48mm filters.</li> </ul>	49.00
7397	<ul> <li>2" to 1.25" AD – 2" to 1.25" Adapter</li> <li>2" to 1.25" adapter with two set screws to hold eyepiece in place.</li> <li>7mm light path.</li> </ul>	39.00
Diagonal	s and Mounts	
7317	1.25" Eyepiece Mount Holds eyepiece firmly using two set screws. 20mm long. A: 1.25" sleeve B: M36.4 P1 Male	19.00
7318	1.25" Prism Diagonal	46.00
7314	<b>1.25" Low Profile Eyepiece Mount</b> Shorter version of 7317 eyepiece holder. 8mm long.	17.00

RG Parts	Catalog – Series 2003	Page 8 – Eyepiec	es and Accessories
1401	Turret Eyepiece Mou	nt	57.00
	rotating, click-stop mounted 2"/1.25" I on the back of the eyepieces. Eyepie the rear by set scr mounted eyepiece where a low-powe	or visual observing, this eyepiece mount has a turret with four 1.25" eyepiece holders, and a rear- holder. Lightweight construction minimizes weight OTA, yet has plenty of stiffness to support the ces fit snugly in friction mounts in the turret, and in ews. The internal mirror (for viewing with turret- s) flips up for viewing through the rear holder, r eyepiece allows the scope to be used as its own 336 for use with Helical Focuser M (7835). 200g.	
4603	Metal Compact Exter	lder	66.00
		Fully multi-coated, with two lenses in one group. hread allows barlow to screw directly into eyepiece	
	A: B: Weight:	1.25" sleeve 1.25" filter thread, 0.965" filter thread 50g	
4604	Metal Extension Tub	9	17.00
	A: B: Length: Weight:	1.25" sleeve 1.25" filter thread 28mm 50g	
4605	1.25" to .965" (31.7m	m to 24.5mm) Adapter	12.00
7316	1.25" (31.7mm) to M3	6.4 Adapter	17.00
	A: B:	M36.4 P1 Female 1.25" sleeve with 1.25" filter thread	
7425	2" Nosepiece Adapte	r (2" to M57/60)	32.00
	A: B:	M60 P0.75 Male, M57 P0.75 Female 48mm filter thread, 2" sleeve	
7511	1.25" (31.7mm) to C I	Nount Adapter	32.00
	A: B:	C-mount Male 1.25" sleeve with 1.25" filter thread	
7836	Allows turret eyep M (7835), by provi	<b>Turret Mount Adapter</b> ece mount 1401 to be used with Helical Focuser ding M60 P0.75 female thread in front. Attaches to be set screws on the mount.	40.00
4801	Erecting Prism Roof prism design 18mm.	. Requires 55mm back focus. Light path diameter	103.00

## Page 9 – Accessories: Tubes, Lens Caps, Baffles

## Tubes and Drawtubes

7129	124mm Tube for Series 80 103		
	This Series 80 short tube is useful in applications with increased inward focus requirements, such as binoviewers, etc. Only 124mm long, making the system 81mm shorter than the regular tube does. Comes with its own special drawtube.		
	A: M75 P1.25 Female B: M77.6 P0.75 Female C: M68.8 P0.75 Female		
7050	50mm Tube for Series 80		
	Only 50mm long, this tube can be added in front of the tube assembly (6000). Helps to minimize the pull-out of a drawtube.		
	A: M75 P1.25 Female B: M75 P1.25 Male		
7130	Front Helical Focuser Adapter Set	91.00	
	Lets you place a focuser (7835, 7837) in front of the tube assembly. Improves overall balance—focuser's smoothness is not affected by the weight of accessories attached at the end of the scope. Good for 50ED, 76Ach and 76ED objectives (not recommended for 100 Ach and 100ED). Requires addition of 7507 at the end of the scope. Comes with 50mm long tube, M77.6 to M60 AD and M68.8 to M75 AD.		
7754	Drawtube DX (Indexed Drawtube) Drawtube with index marks which are helpful for rough focusing in imaging.		
7838	Focuser M (DX) Wheel Fits over the focuser ring for smoother focus adjustments and easier gripping when wearing gloves.		
7801	M77.6 to M68.8 Adapter		
	Allows direct attachment of helical focuser M (7835) and MDX (7837) to a tube. Makes the system more rigid and 460g lighter by removing drawtube holder. 50mm long tube (7050) or Mini Drawtube (7201) and 2" eyepiece holder may be added for proper back focus. A: M68.8 P0.75 Female B: M77.6 P0.75 Male		
7128	MiniBorg Objective Adapter (M77.6 to M57)	37.00	
	Allows you to attach 50ED, 76Ach and 76ED objectives to Mini Borg tube. Should be used with Series 80 regular tube.	01100	
	A: M57 P0.75 Female B: M77.6 P0.75 Male		
Caps			
- 7081	Series 80 Metal Cap	34.00	
	Metal cap attaches in front of Series 80 tubes.		
	A: M75 P1.25 Male		
7361	M36.4P1 Metal Cap	14.00	
	A metal cap to be attached onto M36.4 thread.		
	A: M36.4 P1 Male		

BORG Parts C	atalog – Series 2003 Page 9 – Accessories: Tubes	s, Lens Caps, Baffles
5602	End Cap for Series 80 Objective Assembly	3.00
5665	Front Cap for 65mm Objective	n/a
5676	Front Cap for 76mm <u>Objective</u>	3.00
5610	Front Cap for 100mm Objective	6.00
5612	Front Cap for 125ED Objective and 100 6x9 Hood	55.00
8069	100 6x9 Hood	183.00
	100ED F4 medium format hood. Used with 125ED front cap (5612). A: M132 P0.75 Female B: M111 P1 Female	
Baffles		
4053	Visual Baffle for Helical Focuser Improves contrast. Mounts 25mm-32mm in front (objective side) of helical focuser M/MDX (7835/7837). For greater effect, use with 4054. Note: Shown in catalog mounted on 7835 (not included) 45mm ID, 57mm OD, 1mm thick	12.00
4054	Visual Baffle for 2" Holder	12.00
	improves contrast. Mounts on objective side of Borg's 2" eyepiece holders. For greater effect, use with 4053. Note: Shown in catalog mounted on 7509 (not included) 36mm ID, 52mm OD, 2mm thick	
4051	Visual Baffle Set for 125ED F6.4 & 100ED/Ach(Series115)	55.00
	Consists of 1 x 4052, 1 x 4053 and 2 x 4054 (4 pieces total).	
4052	Visual Baffle for 125ED, 100Ach(Series 115) & 100ED(Series115) Placed in tube behind 125ED objective. Friction fits into main tube body. 86mm ID, 109mm OD, 1mm thick	23.00
4048	Photographic Aperture Stop Insert, 100F4 to F4.8	23.00
	For medium or large format very wide-field photography, optimizes for an evenly illuminated wide field. Friction fits into main tube body. 80mm ID, 109mm OD, 2mm thick	
4049	Photographic Aperture Stop Insert, 125F4 to F5	23.00
	For medium or large format very wide-field photography, optimizes for an evenly illuminated wide field. Friction fits into main tube body. 63mm ID, 109mm OD, 2mm thick	
Miscella	neous Accessories	
7100	D4 Filter 52mm	121.00
	52mm diameter D4 filter. Photographic use only.	
5403	Carrying Case P Carrying case with two compartments inside for separate storage of telescope and tripod. 61cm long.	51.00

Page 1	0 – Accessories: Teleconverters, Mounting Rings	
7014	1.4x Teleconverter	208.00
	Extends focal length 1.4x, while at the same time correcting image quality at frame edges. Specially designed to minimize internal reflections. Optically fits 400–1000mm focal length telescopes. Two fully multi-coated elements in one group. 70mm long. 230g.	
	A: M60 P0.75 Male M57 P0.75 Male M49 P0.75 Male M42 P0.75 Female	
	B: M57 P0.75 Female M60 P0.75 Male	
8014	1.4x Teleconverter 69T	363.00
	Medium format 1.4x teleconverter for Borg 125ED and 150ED reduces coma aberration at edges. Adjusts to fit telescopes with 800–1000mm focal length. Two fully multi-coated elements in two groups. 160mm long. 670g.	
	A: M89 P1 B: 67mm filter thread	
8045	6x7 Super Reducer Set	1,390.00
	0.625x reducer lens for Borg 125ED F6.4 and 150ED F6.6. Allows shorter exposures and reduces coma aberration. Four fully multi- coated elements in four groups; two of these groups install in front of the focuser, the other two in the rear of the focuser. Tube: 155mm diam., 208mm long. 2kg.	
8020	2x Teleconverter 67T	303.00
	2x teleconverter for Borg 50ED, 76, 76ED, 76EDL, 100 and 100ED. Useful for enlarging lunar and solar images and close-up daytime shots. Lens adjustment function allows use of 3 <sup>rd</sup> -party telescopes with 400–640mm focal length. Two fully multi-coated elements in two groups. 103mm long and 250g.	
	A: M68.8 P0.75 Female B: M57 P0.75 Male	
8670	6x7 Multi-flattener	363.00
	6x7-format field flattener lens for Pentax 6x7 camera mount 8567. Corrects optical aberrations out to image corners. Configurable for objective focal length. Fully multi-coated. 400g.	
	A: M85 P0.75 Female B: M85 P0.75 Male	
7784	35mm 1.04x Multi-flattener	247.00
	35mm format field flattener reduces coma aberration. For use with 450–1200mm focal length scopes. Fully multi-coated. 300g.	
	A: M57 P0.75 Male M60 P0.75 Male B: M49.8 P0.75 Male	
7785	35mm 0.85x Reducer	247.00
	Reduces focal length by 0.85x for faster F ratio. Improves image quality in corners, shortens exposure times. For 500–800mm focal length scopes, including 3 <sup>rd</sup> party refractors. Maintains 75–80% illumination, even in 35mm frame corners. Fully multi-coated. 110g.	
	A: M49.8 P0.75 Male	

786	3x Teleconverter	158.00
	High quality 3x teleconverter. Useful for lunar or solar s Reduces coma aberration at each corner. 40g.	shots, etc.
	A: M52 P0.75 Male B: M36.4 P1 Male M42 P0.75 Male	
5501	80mm Plastic Tube Holder	40.00
	Plastic tube holder attaches Series 80 telescopes to ca etc. 1/4"-20 female thread at the bottom and male at th	
5503	80mm Plastic Tube Holder + Adapter E	49.00
	Plastic tube holder for Series 80 scopes with Borg fork 1/4"-20 female thread at the bottom and male at the to	
5502	Adapter E	10.00
	Additional part to convert 5501 to 5503. It is user-insta	llable.
5504	Takahashi Mount Screw Set	6.00
	Set of four screws to attach 5501 onto Takahashi mou	nt.
7080	Tube Band M	77.00
	Metal pair of tube rings to hold Series 80 telescopes. 4	20g.
	A: TBD camera thread, M6 P0.8 B: M6 P1 bolt	

## Page 11 – Accessories: Fork Mounts, Adapters, Tubes

7751       7x50 Finder: Bracket only       55         0034       6x30 Finder       49         Finder scope with 6x magnification and 30mm aperture.7 degree actual field of view with cross-hair. Focus adjustable at the objective.       229         3101       Fork Mount       229         Fork mount with 3/8"-16 thread hole at the bottom. Used with 5503 or 3102. Single-arm compact fork mount head may be used in alt-az or equatorial orientation with lightweight scopes such as Borg Series 80 or Mini Borg scopes. Use the Series 80 tube holder and adapter E set (5503) or universal attachment block (3102) for direct attachment of a scope with 1/4"-20 screws or Takahashi tube holders.       219         The provided 3/8"-16 hole allows mounting on standard photographic tripods. The fork head may also be mounted on Borg's ultra-light SWII tripod using a special adapter, as well as on 1/4"-20 tripods using a '3rd-party adapter available at camera stores.       The mount may be moved rapidly by releasing the light gray clutch knobs or by turning the dark gray slow motion knobs. The slow motion shafts also allow the attachment of user-supplied flex shafts.       When used in equatorial orientation, a latitude scale aids in setting the fork tilt.         Dimensions       3"X3"x6" Weight       39         3102       Fork Mount Universal Attachment Block       39         3103       This universal tube-holder adapter plate allows use of a Borg lightweight single-arm fork mount (3101) with a Mini Borg. Takahashi tube holders.       39         3102       Fork Mount Universal Attachment Block       39 <th>7750</th> <th><b>7x50 Finder with Mount Holder</b> Finder scope with 7x magnification and 50mm aperture. 6 degree actual field of view with cross-hair. Focus is adjustable at eyepiece.</th> <th>158.00</th>	7750	<b>7x50 Finder with Mount Holder</b> Finder scope with 7x magnification and 50mm aperture. 6 degree actual field of view with cross-hair. Focus is adjustable at eyepiece.	158.00	
0034       6x30 Finder       49         Finder scope with 6x magnification and 30mm aperture.7 degree actual field of view with cross-hair. Focus adjustable at the objective.       229         3101       Fork Mount       229         Fork mount with 3/8"-16 thread hole at the bottom. Used with 5503 or 3102. Single-arm compact fork mount head may be used in alt-az or equatorial orientation with lightweight scopes such as Borg Series 80       229         or Mini Borg scopes. Use the Series 80 tube holder and adapter E set (5503) or universal attachment block (3102) for direct attachment of a scope with 1/4"-20 screws or Takahashi tube holders.       The provided 3/8"-16 hole allows mounting on standard photographic tripods. The fork head may also be mounted on Borg's ultra-light SWII tripod using a special adapter, as well as on 1/4"-20 tripods using a 3rd-party adapter available at camera stores.       The mount may be moved rapidly by releasing the light gray clutch knobs or by turning the dark gray slow motion knobs. The slow motion shafts also allow the attachment of user-supplied flex shafts.       39         3102       Fork Mount Universal Attachment Block       39         3102       Fork Mount Universal Attachment Block       39         3103       This universal tube-holder adapter plate allows use of a Borg lightweight single-arm fork mount (3101) with a Mini Borg, Takahashi tube holders.       39         3102       Fork Mount Universal Attachment Block       39         3102       Fork Mount Universal Attachment Block       39         3102 <t< th=""><th>7752</th><th>7x50 Finder: Scope only</th><th>116.00</th></t<>	7752	7x50 Finder: Scope only	116.00	
Finder scope with 6x magnification and 30mm aperture.7 degree actual field of view with cross-hair. Focus adjustable at the objective.       229         3101       Fork Mount       229         Fork mount with 3/8"-16 thread hole at the bottom. Used with 5503 or 3102. Single-arm compact fork mount head may be used in alt-az or equatorial orientation with lightweight scopes such as Borg Series 80 or Mini Borg scopes. Use the Series 80 tube holder and adapter E set (5503) or universal attachment block (3102) for direct attachment of a scope with 1/4"-20 screws or Takahashi tube holders.       The provided 3/8"-16 hole allows mounting on standard photographic tripods. The fork head may also be mounted on Borg's ultra-light SWII tripod using a special adapter, as well as on 1/4"-20 tripods using a 3rd-party adapter available at camera stores.       The mount may be moved rapidly by releasing the light gray clutch knobs or by turning the dark gray slow motion knobs. The slow motion shafts also allow the attachment of user-supplied flex shafts.       When used in equatorial orientation, a latitude scale aids in setting the fork tilt.         Dimensions       3"x3"x6" Weight       1.5 lbs.       3102         5102       Fork Mount Universal Attachment Block       39         This universal tube-holder adapter plate allows use of a Borg lightweight single-arm fork mount (3101) with a Mini Borg, Takahashi tube holders.       310         5102       Fork Mount Universal Attachment Block       39         5103       This universal tube-holder adapter plate allows use of a Borg lightweight single-arm fork mount (3101) with a Mini Borg, Takahashi tube holders.       310	7751	7x50 Finder: Bracket only	55.00	
Fork mount with 3/8"-16 thread hole at the bottom. Used with 5503 or 3102. Single-arm compact fork mount head may be used in alt-az or equatorial orientation with lightweight scopes such as Borg Series 80 or Mini Borg scopes. Use the Series 80 tube holder and adapter E set (5503) or universal attachment block (3102) for direct attachment of a scope with 1/4"-20 screws or Takahashi tube holders.         The provided 3/8"-16 hole allows mounting on standard photographic tripods. The fork head may also be mounted on Borg's ultra-light SWII tripod using a special adapter, as well as on 1/4"-20 tripods using a 3rd-party adapter available at camera stores.         The mount may be moved rapidly by releasing the light gray clutch knobs or by turning the dark gray slow motion knobs. The slow motion shafts also allow the attachment of user-supplied flex shafts.         When used in equatorial orientation, a latitude scale aids in setting the fork tilt.         Dimensions       3"x3"x6" Weight         Weight       1.5 lbs.         3102       Fork Mount Universal Attachment Block       39         This universal tube-holder adapter plate allows use of a Borg lightweight single-arm fork mount (3101) with a Mini Borg. Takahashi tube holders.       310         S110       Fork Mount Universal Attachment Block       39         S117       Visual Draw Tube       120         Allows quick and wide focus adjustment for Series 115 and 140 scopes. Helical focuser M/MDX can be attached. Has 77mm focus travel. Extra light path is 20mn. 380g.       212         Allows quick and wide focus adjustment for Series 115 and 140 scopes. Helical f	0034	Finder scope with 6x magnification and 30mm aperture.7 degree	49.00	
<ul> <li>3102. Single-arm compact fork mount head may be used in alt-az or equatorial orientation with lightweight scopes such as Borg Series 80 or Mini Borg scopes. Use the Series 80 tube holder and adapter E set (5503) or universal attachment block (3102) for direct attachment of a scope with 1/4"-20 screws or Takahashi tube holders. The provided 3/8"-16 hole allows mounting on standard photographic tripods. The fork head may also be mounted on Borg's ultra-light SWII tripod using a special adapter, as well as on 1/4"-20 tripods using a 3rd-party adapter available at camera stores. The mount may be moved rapidly by releasing the light gray clutch knobs or by turning the dark gray slow motion knobs. The slow motion shafts also allow the attachment of user-supplied flex shafts. When used in equatorial orientation, a latitude scale aids in setting the fork tilt. Dimensions 3"x3"x6" Weight 1.5 lbs.</li> <li>3102 Fork Mount Universal Attachment Block 39</li> <li>This universal tube-holder adapter plate allows use of a Borg lightweight single-arm fork mount (3101) with a Mini Borg, Takahashi tube holders, camera ball head and cameras. Includes center hole for a 1/4"-20 standard camera screw as well as metric M8 threaded holes spaced 35mm apart to accommodate Takahashi tube holders.</li> <li>8317 Visual Draw Tube 120</li> <li>Allows quick and wide focus adjustment for Series 115 and 140 scopes. Helical focuser M/MDX can be attached. Has 77mm focus travel. Extra light path is 20mm. 380g.</li> <li>A: M68.8 P0.75 Female B: M89 P1 Male</li> <li>8116 M111 to M68.8 Adapter 105</li> <li>Connects helical focuser M/MDX directly to Series 115 tubes. Extra light path is 5mm. Creates 60mm additional back focus. Useful with accessories that need plenty of back focus (binoviewer, etc.). 100g.</li> <li>A: M68.8 P0.75 Female</li> </ul>	3101	Fork Mount	229.00	
<ul> <li>tripods. The fork head may also be mounted on Borg's ultra-light SWII tripod using a special adapter, as well as on 1/4"-20 tripods using a 3rd-party adapter available at camera stores. The mount may be moved rapidly by releasing the light gray clutch knobs or by turning the dark gray slow motion knobs. The slow motion shafts also allow the attachment of user-supplied flex shafts. When used in equatorial orientation, a latitude scale aids in setting the fork tilt.</li> <li>Dimensions 3"x3"x6" Weight 1.5 lbs.</li> <li>3102 Fork Mount Universal Attachment Block 39 This universal tube-holder adapter plate allows use of a Borg lightweight single-arm fork mount (3101) with a Mini Borg, Takahashi tube holders, camera ball head and cameras. Includes center hole for a 1/4"-20 standard camera screw as well as metric M8 threaded holes spaced 35mm apart to accommodate Takahashi tube holders.</li> <li>8317 Visual Draw Tube 120 Allows quick and wide focus adjustment for Series 115 and 140 scopes. Helical focuser M/MDX can be attached. Has 77mm focus travel. Extra light path is 20mm. 380g. A: M68.8 P0.75 Female B: M89 P1 Male</li> <li>8116 M111 to M68.8 Adapter 105 Connects helical focuser M/MDX directly to Series 115 tubes. Extra light path is 50mm creates 60mm additional back focus. Useful with accessories that need plenty of back focus (binoviewer, etc.). 100g. A: M68.8 P0.75 Female</li> </ul>		3102. Single-arm compact fork mount head may be used in alt-az or equatorial orientation with lightweight scopes such as Borg Series 80 or Mini Borg scopes. Use the Series 80 tube holder and adapter E set (5503) or universal attachment block (3102) for direct attachment of a scope with 1/4"-20 screws or Takahashi tube holders.		
<ul> <li>knobs or by turning the dark gray slow motion knobs. The slow motion shafts also allow the attachment of user-supplied flex shafts. When used in equatorial orientation, a latitude scale aids in setting the fork tilt.</li> <li>Dimensions 3"x3"x6" Weight 1.5 lbs.</li> <li>3102 Fork Mount Universal Attachment Block 39</li> <li>This universal tube-holder adapter plate allows use of a Borg lightweight single-arm fork mount (3101) with a Mini Borg, Takahashi tube holders, camera ball head and cameras. Includes center hole for a 1/4"-20 standard camera screw as well as metric M8 threaded holes spaced 35mm apart to accommodate Takahashi tube holders.</li> <li>8317 Visual Draw Tube 120</li> <li>Allows quick and wide focus adjustment for Series 115 and 140 scopes. Helical focuser M/MDX can be attached. Has 77mm focus travel. Extra light path is 20mm. 380g.</li> <li>A: M68.8 P0.75 Female B: M89 P1 Male</li> <li>8116 M111 to M68.8 Adapter 105</li> <li>Connects helical focuser M/MDX directly to Series 115 tubes. Extra light path is 5mm. Creates 60mm additional back focus. Useful with accessories that need plenty of back focus (binoviewer, etc.). 100g.</li> <li>A: M68.8 P0.75 Female</li> </ul>		tripods. The fork head may also be mounted on Borg's ultra-light SWII tripod using a special adapter, as well as on 1/4"-20 tripods		
<ul> <li>the fork tilt.</li> <li>Dimensions 3"x3"x6" Weight 1.5 lbs.</li> <li>3102 Fork Mount Universal Attachment Block 39 This universal tube-holder adapter plate allows use of a Borg lightweight single-arm fork mount (3101) with a Mini Borg, Takahashi tube holders, camera ball head and cameras. Includes center hole for a 1/4"-20 standard camera screw as well as metric M8 threaded holes spaced 35mm apart to accommodate Takahashi tube holders.</li> <li>8317 Visual Draw Tube 120 Allows quick and wide focus adjustment for Series 115 and 140 scopes. Helical focuser M/MDX can be attached. Has 77mm focus travel. Extra light path is 20mm. 380g. A: M68.8 P0.75 Female B: M89 P1 Male</li> <li>8116 M111 to M68.8 Adapter 105 Connects helical focuser M/MDX directly to Series 115 tubes. Extra light path is 5mm. Creates 60mm additional back focus. Useful with accessories that need plenty of back focus (binoviewer, etc.). 100g. A: M68.8 P0.75 Female</li> </ul>		knobs or by turning the dark gray slow motion knobs. The slow		
Weight1.5 lbs.3102Fork Mount Universal Attachment Block39This universal tube-holder adapter plate allows use of a Borg lightweight single-arm fork mount (3101) with a Mini Borg, Takahashi tube holders, camera ball head and cameras. Includes center hole for a 1/4"-20 standard camera screw as well as metric M8 threaded holes spaced 35mm apart to accommodate Takahashi tube holders.31028317Visual Draw Tube120Allows quick and wide focus adjustment for Series 115 and 140 scopes. Helical focuser M/MDX can be attached. Has 77mm focus travel. Extra light path is 20mm. 380g. A: M89 P1 Male1058116M111 to M68.8 Adapter Lonnects helical focuser M/MDX directly to Series 115 tubes. Extra light path is 5mm. Creates 60mm additional back focus. Useful with accessories that need plenty of back focus (binoviewer, etc.). 100g. A: M68.8 P0.75 Female105				
This universal tube-holder adapter plate allows use of a Borg lightweight single-arm fork mount (3101) with a Mini Borg, Takahashi tube holders, camera ball head and cameras. Includes center hole for a 1/4"-20 standard camera screw as well as metric M8 threaded holes spaced 35mm apart to accommodate Takahashi tube holders.1208317Visual Draw Tube120Allows quick and wide focus adjustment for Series 115 and 140 scopes. Helical focuser M/MDX can be attached. Has 77mm focus travel. Extra light path is 20mm. 380g. A: M68.8 P0.75 Female B: M89 P1 Male1058116M111 to M68.8 Adapter Connects helical focuser M/MDX directly to Series 115 tubes. Extra light path is 5mm. Creates 60mm additional back focus. Useful with accessories that need plenty of back focus (binoviewer, etc.). 100g. A: M68.8 P0.75 Female105				
<ul> <li>lightweight single-arm fork mount (3101) with a Mini Borg, Takahashi tube holders, camera ball head and cameras. Includes center hole for a 1/4"-20 standard camera screw as well as metric M8 threaded holes spaced 35mm apart to accommodate Takahashi tube holders.</li> <li>8317 Visual Draw Tube</li> <li>Allows quick and wide focus adjustment for Series 115 and 140 scopes. Helical focuser M/MDX can be attached. Has 77mm focus travel. Extra light path is 20mm. 380g.</li> <li>A: M68.8 P0.75 Female B: M89 P1 Male</li> <li>8116 M111 to M68.8 Adapter</li> <li>Connects helical focuser M/MDX directly to Series 115 tubes. Extra light path is 5mm. Creates 60mm additional back focus. Useful with accessories that need plenty of back focus (binoviewer, etc.). 100g.</li> <li>A: M68.8 P0.75 Female</li> </ul>	3102	Fork Mount Universal Attachment Block	39.00	
Allows quick and wide focus adjustment for Series 115 and 140 scopes. Helical focuser M/MDX can be attached. Has 77mm focus travel. Extra light path is 20mm. 380g. A: M68.8 P0.75 Female B: M89 P1 Male 8116 M111 to M68.8 Adapter 105 Connects helical focuser M/MDX directly to Series 115 tubes. Extra light path is 5mm. Creates 60mm additional back focus. Useful with accessories that need plenty of back focus (binoviewer, etc.). 100g. A: M68.8 P0.75 Female		lightweight single-arm fork mount (3101) with a Mini Borg, Takahashi tube holders, camera ball head and cameras. Includes center hole for a 1/4"-20 standard camera screw as well as metric M8 threaded		
<ul> <li>scopes. Helical focuser M/MDX can be attached. Has 77mm focus travel. Extra light path is 20mm. 380g.</li> <li>A: M68.8 P0.75 Female</li> <li>B: M89 P1 Male</li> <li>8116 M111 to M68.8 Adapter</li> <li>Connects helical focuser M/MDX directly to Series 115 tubes. Extra light path is 5mm. Creates 60mm additional back focus. Useful with accessories that need plenty of back focus (binoviewer, etc.). 100g.</li> <li>A: M68.8 P0.75 Female</li> </ul>	8317	Visual Draw Tube	120.00	
B: M89 P1 Male 8116 M111 to M68.8 Adapter 105 Connects helical focuser M/MDX directly to Series 115 tubes. Extra light path is 5mm. Creates 60mm additional back focus. Useful with accessories that need plenty of back focus (binoviewer, etc.). 100g. A: M68.8 P0.75 Female		scopes. Helical focuser M/MDX can be attached. Has 77mm focus		
Connects helical focuser M/MDX directly to Series 115 tubes. Extra light path is 5mm. Creates 60mm additional back focus. Useful with accessories that need plenty of back focus (binoviewer, etc.). 100g. A: M68.8 P0.75 Female				
light path is 5mm. Creates 60mm additional back focus. Useful with accessories that need plenty of back focus (binoviewer, etc.). 100g. A: M68.8 P0.75 Female	8116	M111 to M68.8 Adapter	105.00	
B: M111 P1 Male		light path is 5mm. Creates 60mm additional back focus. Useful with accessories that need plenty of back focus (binoviewer, etc.). 100g. A: M68.8 P0.75 Female		

BORG Parts	Catalog – Series 2003	Page 11 – Accessories: Fork Mou	ints, Adapters, Tubes
8119	M111 to M89 Adapter		105.00
		format focuser 8167 and visual drawtube 8317, eries 115 tube. Creates 30mm additional back	
	A: B:	M89 P1 Female M111 P1 Male	
8035	35mm Camera AD II		60.00
	Connects M57/M6 Extra light path 8m	0 parts to medium-format helical focuser 8167. m. 120g.	
	A:	M57 P0.75 Female M60 P0.75 Male	
	B:	58mm filter thread	
8267		parts behind Pentax 6x7 camera mount 8567 and	33.00
	multi 6x7 camera r		
	A:	M57 P0.75 Female M60 P0.75 Male	
	B:	M70 P0.75 Male	
8782	Filter Ring 72-82mm		46.00
	-	d 82mm filter onto multi flattener 8670.	
	A:	M72 P0.75 Female M82 P0.75 Female	
	B:	M85 P0.75 Male	
8916	Visual Draw Tube Att	achment	33.00
	Attaches visual dra 8167.	awtube 8317 behind medium-format helical focuser	
	A:	M89 P1 Female	
8750	115 Tube Finder Base	9	108.00
		0 finder base tube to hold Borg 7x50 finder 7750 50. Extra light path 35mm. 410g.	
	A: B:	M111 P1 Male M95 P1 Female M89 P1 Female	
8004	115 Tube 208mm		220.00
	Borg 125ED F4 tub	be. 208mm long.	
8149	115 Tube 149mm	-	341.00
	Borg 100ED (101E	D) F4 tube. 149 long.	
8335	115 Tube 335mm Borg 100ED (101E	D) F6.4 tube. 335mm long.	226.00
8380	115 Tube 380mm		238.00
	Borg 125ED F6.4 t		



Schmidt-Cassegrain System Chart



M42 Helical Focuser System



Eyepiece Projection System Diagram