

## Selection Guide - CMB SunShade Product family

All SunShades based on the MB 450 housing - the CMB models as well as their predecessors – fit in the same clamp system with the 110 mm connection. The 4x4 SunShade has a clamp mount for 104mm diameter; the SunShade 1000 is designed for 3x3" filters and clamps onto lenses with a maximum diameter of 85mm.

Camera Type	Step-down Ø 110 CMB-R10, CMB-R20, SD 455-R1		Adaptor ring Ø 104 for SD 440		Adaptor ring Ø 85 for SD 1001	
	Art.-No.	Ø:Ømm	Art.-No.	Ø:Ømm	Art.-No.	Ø:Ømm
Canon XH G1 / A1 // XL HD1 / XL-2	411-72*	110:M72	411-14	104:M72	S1001-85	85:M72
Canon <b>EOS 7D</b> with EFS 18-135 mm lens	411-82	110:M82+**	411-13	104:M82+**	S1001-67	85:M67
Sony HDR-FX1 / HVR-Z1 / HVR-Z5 / HVR-Z7	411-72	110:M72	411-14	104:M72	S1001-85	85:M72
Sony HVR-V1	411-39	110: 80	411-15	104:M62	-	-
Sony PMW-EX1 / EX3	411-77	110:M77	411-09	104:M77	-	-
Sony HVR-NX5	411-82	110:M82	411-13	104:M82		
Panasonic HVX-200 / 200A	411-82	110:M82	411-13	104:M82	S1001-82	85:M82
Panasonic HPX170/171 / HMC150/151	411-72	110:M72	411-14	104:M72	S1001-85	85:M72
JVC GY-HD100 / 101 / 200 / 251	411-82	110:M82	411-23F	104:M82	S1001-82	85:M82
<b>For wide-angle attachments:</b>						
Canon wide-angle attachment WD-H72*	455-A109	110: 109				
	411-48	110: 105	411-12	104: 105	-	-
	411-46	110: 100	411-30	104: 100	-	-
	411-44	110: 98	411-29	104: 98	-	-
	411-42	110: 96	411-34	104: 97	-	-
			411-33	104: 95	-	-

\*For Canon wide-angle attachments WD-H72, use the flexible step-down ring 455-A109 mm

+ \*\* with Heliopan adaptor ring No. 132, M62:M82

## CMB Product family – SunShade CMB-R10 and CMB-R20 for HDV.



**CMB-R10**, single rotating stage – **CMB-R20**, double rotating stage for 4x4 size filters.



The **DSW<sup>®</sup> 400 Swing-away system**  
Connects the CMB SunShades with the DV light-weight supports.

The **CMB-R10** is a SunShade with a rotating single filter stage, designed for 4x4" filters. All filter positions for all lenses and all current wide-angle converters are possible without vignetting.

The **CMB-R20** is equipped with a double rotating stage for 4x4" filters. When used with wide-angle converters, only the rear filter holder rotates (wide-angle converter for 1/3" F=3.3 mm / 1/2" F=5mm). Both filters can be positioned unrestrictedly up to 4.2 mm focal length (1/3"); respectively up to 6.2 mm focal length for the 1/2" XDCAM lenses.

The connecting diameter of 110 mm takes all currently used wide-angle converters. The SunShade clamps on standard lenses with a step-down ring or is fixed with a screw-in ring.

### Technical Data:

Max. wide-angle focal length (1/3" / 1/2" Chip) F= mm	R10: <b>3.3 / 4.3</b>   R20: <b>4.1 / 5.3</b>
Multi-Format 4:3 and 16:9	S16, SD, HD
Mask inserts 16:9 for F= mm (1/3" / 1/2")	Universal from 4.5 / 7
Max. filter number / rotating	R10: 1 / 1   R20: 2 / 2
Filter stage width (mm)	110
Filter size (inch)	4x4
Connecting diameter (mm)	110
Support system:	clamp mount

Components	Article no.
<b>SunShade CMB-R10</b> , complete with one filter holder and French Flag	CMB-R10
<b>SunShade CMB-R20</b> , complete with two filter holders and French Flag	CMB-R20
Options	
French Flag 35 cm, foldable	450-11
Mask 16:9 from f = 4.5 mm	450-MA
DSW 400, Direct swing adapter with thread mount**	401-402S
DSW 400, Direct swing adapter with clamp mount**	401-403S
Spare part selection	
Filter holder 4x4	402-12
French Flag 35 cm, continuous	450-12
<b>For information on clamp rings, see page 37, and the respective overview pages.</b>	
** for use as MatteBox on 15mm light-weight supports, incl. mounting screws	

## SD 440 SunShade with 4x4" double-filter stage.



Above, an **adapter ring** with filter thread. Below, the **step-down ring** 411-23 - 104:85mm.



The **Center Adapter** connects the 440 with the light-weight supports.

At only 421 gr., this universal SunShade is a super lightweight, and, with its two 4x4" filter holders and the especially large French Flag ready for shooting.

Two "packages" are available, 440-02 with the standard filter holder (see ill.). For cameras with interfering microphone or hand grip, the model 440-03 has filter holders with a short shaft that can be positioned from below.

The first filter slides horizontally; the second also rotates 170°.

The clamp mount takes lenses with a maximum diameter of 104 mm. Step-down rings as well as adaptor rings with thread mounts for the lens filter thread are also available.

Technical Data:	
Max. wide-angle focal length (1/3" / 1/2" Chip / 16mm / S16mm) F= mm	3.9 / 5.1 / 8.3 / 10
Multi-Format 16, S16, 4:3 and 16:9	16, S16, SD, HD
Max. filter number / rotating	2 / 1
Filter stage width (mm)	110
Filter size (inch)	4x4
Connecting diameter (mm)	104
support system:	clamp mount

Components	Article no.
SunShade SD 440, complete as described and pictured above	440-02
SunShade SD 440, complete with short filter holder used from below	440-03
Accessories	
Centre adapter** for SD 440	420-02
Step-down ring Ø 104 to 85mm	411-23
Adaptor Ring for Sony HVR-S270	411-14L
<i>Please select the light prevention or step-down ring corresponding to the lens.</i>	
For information on light prevention rings and on the different support systems, see the respective overview pages.	
Spare part selection	
4x4 Filter holder for 440-02 / for 440-03	402-04 / 402-12
French Flag 26,5 cm	402-28
** For use as supported MatteBox on 15mm light-weight supports.	

## SD 1001 SunShade with 3x3" double filter-stage.



**Adapter ring** with filter thread, please see overview pages.

**S1001-CB:**  
The **center adapter** for connection light-weight supports. French Flag as option

This smallest of the SunShade line is suitable for normal focal lengths up to a slight wide-angle especially with SD and 16mm film. The first filter slides horizontally, the second also rotates 170°.

The basic version includes two 3x3" filter holders. The S1001-CB package already comes with an adapter for use on 15 mm light-weight supports (see ill.).

The clamp mount takes a lens with a maximum diameter of 85 mm. Step-down rings and adapter rings with thread mounts for the lens filter thread are available, as well as a French Flag as accessory.

Technical Data:	
Max. wide-angle focal length 1/3"HD / 16mm / 2/3"SD	7 mm
1/2" XDCAM / S16	12 / 18 mm
Format 16mm, SD, 4:3	16, SD
Max. filter number / rotating	2 / 1
Filter stage width (mm)	85
Filter size (inch)	3x3
Connecting diameter (mm)	85
Support system:	clamp mount

Components	Article no.
SunShade SD 1000, complete as described above	S1001
SunShade SD 1000, complete with adapter for 15mm light-weight supports	S1001-CB
Accessories	
French Flag 22cm, incl. pivot rod	S1001-FF
Centre adaptor* as kit for retrofit	S1001-CB-01
3x4 filter holder, vertical	S1001-34
<b>Please select the adapter ring corresponding to the lens.</b>	
For information on light prevention rings and the different support systems, see the respective overview pages.	
Spare part selection	
3x3 filter holder	S1001-33
French Flag 22cm / pivot rod separately	S1001-FF-01 / -02

## Overview - Formats and Focal Lengths.

The following overview explains the focal length with the widest angle for MatteBoxes and SunShades. Values printed in **bold** are individually measured, others are calculated.

Product name	Filter format (inch)	Number of filters	Formats and maximum wide angle F [mm]					
			1/3" HD	1/2" HD	2/3" HD	S16	35 Academy	35 Still
			2.94x5.23	3.92x6.97	6.6x9.6	7.5x12.4	16x22	24x36
MB 602	6,6x6,6	4	2,2	3,3	4,3	6	<b>10</b>	16
MB 840	4x5,65 / 5,56x5,56	2	2,2	3,3	<b>4,3</b>	6	<b>10</b>	16
		3	2,5	3,9	<b>5,1</b>	7	<b>12</b>	19
MB 805	4x5,65 / 5x5	1	2	3	<b>3,9</b>	5	9	15
		2	2,2	3,3	<b>4,3</b>	6	10	16
		3	2,5	3,9	<b>5,1</b>	7	12	20
		4	3,9	6	<b>7,7</b>	10	18	29
MB 415	4x5,65 / 5x5	2	2,2	3,3	<b>4,3</b>	6	10	16
SD 412	4x5,65 / 5x5	2	2,2	3,3	<b>4,3</b>	6	10	16
MB 456 Academy Triple	4x5,65 / 5x5	3	3,1	4,5	<b>6,2</b>	8	<b>14</b>	24
MB 456 Academy Double	4x5,65 / 5x5	2	2,6	4	<b>5,2</b>	7	<b>12</b>	20
MB C2	4x4 / 4x5,65	2	2,6	<b>4</b>	<b>5,2</b>	7	12	20
SD C2 (discontinued)	4x4 / 4x5,65	2	2,6	<b>4</b>	<b>5,2</b>	7	12	20
C2 MB+410-55 / SD+411-33	4x5,65	1	2,3	3,6	<b>4,5</b>	6	11	17
SD 411	4x4	2	2,6	4	<b>5,2</b>	7	12	20
SD 411 mit 411-31	4x4	1	2,3	3,6	<b>4,5</b>	6	11	17
SD 421	4x5,65	2	3,1	4,5	6,2	8	<b>14</b>	24
MB 450R1	4x5,65	1	<b>2,6</b>	3,6	5,8	7	<b>12 (DX)</b>	<b>16</b>
MB 450R2	4x4 / 4x5,65	2	<b>3,1</b>	4	6,4	7	<b>12 (DX)</b>	18
MB 450R2 Super Wide	4x5,65	2	<b>2,6</b>	<b>3,6</b>	5,8	7	<b>13 (DX)</b>	20
MB 450R3	4x4 / 4x5,65	3	<b>4</b>	5,2	8	9	<b>15 (DX)</b>	23
CMB-R10	4x4	1	<b>3,3</b>	4,3	-	8	<b>13 (DX)</b>	20
CMB-R20	4x4	2	<b>4,1</b>	5,3	-	9	<b>15 (DX)</b>	23
SD 440	4x4	2	<b>3,9</b>	5,1	-	10	<b>15 (DX)</b>	23
SD 1001	3x3	2	<b>7</b>	11	-	<b>18</b>	<b>18 (DX)</b>	29