



Point of use



Fixations



This sunshade really lives up to its name: the FORTERO[®] – the strong one – is large, robust and easy to use. Thanks to the opposite servo principle, the FORTERO[®] can easily be opened and closed. Its simple design and dimensions will win you over: the FORTERO[®] is ideally suited to large areas. To affix it, there is a choice of multiple bases, as well as floor fittings, so that it can be firmly anchored down. Thanks to its stable construction, the FORTERO[®] is resistant to winds near bodies of water or in the mountains.



Roof terrace Swissotel Berlin

Material and technology

Frame: 8 rods made of natural anodized aluminium, 100 % inox, screws and rivets of high-grade steel, two-part profiled pole 55 × 2.5 mm, contrarotating opening system allowing for easy opening.

Framematerial: anodized natural

Frameform: round, rectangular or square

Shade cover: self-tautening thanks to the flexible rod ends
 material class 5 (100 % polyacrylic approx. 300 g/m²)
 material class 4 (100 % polyester approx. 250 g/m²)
 material class 2 (100 % polyester approx. 220 g/m²)

Flounce: not available

Protective cover: optional

Total height closed: 295–345 cm

Height open: 255–270 cm




Wind: max. wind speed open perm. 70 km/h

UV protection: depending on colour ≥ 98 % (based on test results of “Swiss Quality Testing Services”)

Light fastness: material class 4 and 5 = Level 7–8

Water pressure: material class 4 = water column 100 mm
 material class 5 ≥ water column 300 mm (depending on colour)

Assortment

	Nominal size cm	Lateral distance cm	Area covered m ²	Height closed cm	Clear headroom cm	Total height cm	Height open cm	Foundation cm	Minimum weight for base kg	max. wind speed open perm. km/h (wind force)	Order no. Frame anodized natural
	A	AS	B	E	F	G	H	C			
	³∅ 350	325	8.7	125	205	310	260	70 × 70	90	55 (7)	320 00 350 171
	³∅ 400	370	11.3	120	205	330	270	80 × 80	120	50 (7)	320 00 400 171
	³300 × 200	-	6.0	120	205	310	260	70 × 70	70	60 (7)	320 00 302 171
	³350 × 250	-	8.8	110	205	335	270	70 × 70	90	55 (7)	320 00 352 171
	³250 × 250	-	6.3	110	205	295	255	70 × 70	70	70 (8)	320 00 251 171
	³300 × 300	-	9.0	95	205	315	260	70 × 70	90	60 (7)	320 00 301 171
	³350 × 350	-	12.3	85	205	345	270	80 × 80	120	50 (7)	320 00 351 171

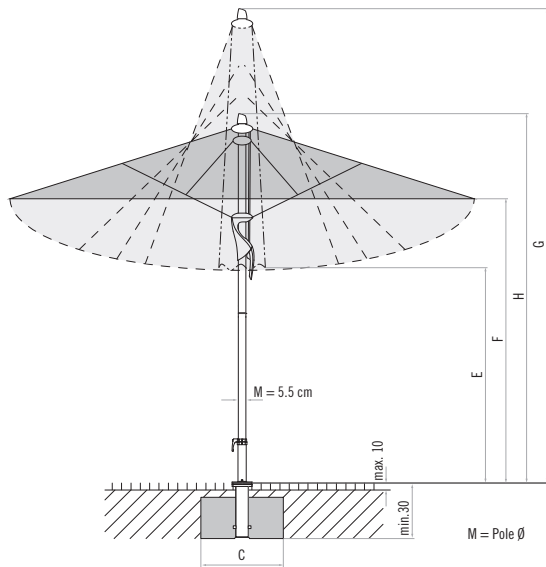
³8 parts

The listed measures represent extrapolated average values that may be slightly different on the product ($\pm 2\% \pm 5$ cm).

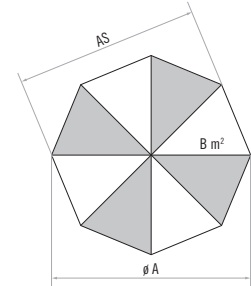
Height dimensions are based on ground socket M4. If one of the offered bases is used, these measures raise by 11.5 – 15.5 cm.

The max. wind speed limits as per our separate list apply only in the presence of a fix ground anchorage.

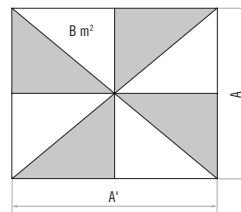
In the presence of several sunshades, the minimum distance between one sunshade and another and between sunshades and walls shall be 20 cm.



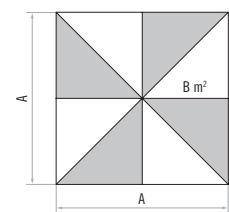
Loose cover max. 10 cm, concrete thickness
min. 30 cm (pay attention to frost depth),
water outflow



8 parts



8 parts



8 parts

Accessories

Fixing option Z (support tube Z absolutely necessary)	Order no.
1. Concrete base Z, 70 kg, Ø 75 × 9 cm	350 01 109 527
1. Concrete base Z, 90 kg, Ø 75 × 11 cm	350 01 109 523
2. Natural granite base Z, 90 kg, Ø 73 × 9 cm, natural stone	350 01 109 512
3. Steel base Z 40 kg, 58.5 × 58.5 × 2 cm, galvanised steel	350 01 100 210
Add-on weight 30 kg, 57.5 × 57.5 × 1.7 cm, galvanised steel	350 01 100 310
4. Support tube Z, Ø 48 / 55 mm, galvanised steel	350 01 201 210
4. Support tube Z, Ø 48 / 55 mm, high-grade steel 1.4301 / 304	350 01 201 300

³ Base with castors (Weight set absolutely necessary)	
5. Base frame with castors 100 kg, 74 × 74 × 17 cm, anthracite, with support tube Ø 48 / 55 mm, high-grade steel 1.4301 / 304 (Base frame ca. 30 kg)	350 01 102 500
Weight Set, 4 pieces 35001105500, concrete, for base with castors 100 kg (Weight Set ca. 70 kg)	350 01 103 500
6. Protective cover for base with castors 100 kg	350 01 602 500
Fixing option PX (Connection tube PX absolutely necessary)	
7. Ground socket PX, galvanised steel	350 01 207 001
7. Ground socket PX, high-grade steel 1.4301 / 304	350 01 207 011
8. Connection tube PX, Ø 48 / 55 mm, galvanised steel	350 01 206 001
8. Connection tube PX, Ø 48 / 55 mm, high-grade steel 1.4301 / 304	350 01 206 011
Fixing option M4 (support tube M4 absolutely necessary)	
9. Base M4, 120 kg, (for 8 plates 40 × 40 × 4 cm), 91 × 91 × 11.5 - 15.5 cm, galvanised steel (adjustable and levellable) (without plates)	350 01 108 235
10. Cover for base M4, 88 × 88 × 5 cm, brushed aluminium (imitation) Set of castors for base M4 (maximum weight 240kg), Ø 5 cm, H= 5.5 cm, galvanised steel	350 01 100 400 350 01 100 500
11. ³ Granite base M4, 120 kg, 90 × 90 × 17 cm, natural stone with castors	350 01 109 470
12. Ground socket M4, galvanised steel	350 01 226 510
13. Mounting plate M4 / M8, 30 × 30 × 1.5 cm, galvanised steel	350 01 226 921
14. Mounting plate M4 special, for installation height 50 – 149 mm, galvanised steel	350 01 226 932
15. Mounting plate M4 special, for installation height 150 – 350 mm, galvanised steel Mounting plate M4 for isolated grounds, installation height made to measure, high-grade steel 1.4301 / 304	350 01 226 930 350 01 229 730
16. Wall console M4, extension 480 mm, galvanised steel	350 01 229 405
17. Wall console M4, extension 100 mm, galvanised steel	350 01 229 410
18. Support tube M4, Ø 48 / 55 mm, galvanised steel	350 01 200 035
Slabs for base M4	
Slab set, 8 pieces, 40 × 40 × 4 cm, (ca. 110 kg), concrete	350 01 226 908
Slab set, 8 pieces, 40 × 40 × 4 cm, (ca. 115 kg), 4 pieces concrete, 4 pieces concrete in granite-look	350 01 226 909
Protective cover, coated polyester fabric	
19. Protective cover with zip and rod	350 01 609 975
Miscellaneous items	
20. Bistro table (silvergrey)	350 01 900 100
21. Rechargeable battery light Osyrión 8 for pole Ø 48–68 mm, battery charger with european plug (type C) included (1 accumulator included) Spare accu, 3.7 V, 4800 mAh (for Osyrión 8)	350 01 557 960 350 01 557 970
22. ¹ Base transporter for sockets weighing 120 kg, 180 kg, 240 kg, 430 kg and 620 kg	350 01 909 000

¹while stocks last

³only suitable for smooth, joint free surface coverings





Kartause, Ittingen



Maag Areal, Zurich



Kartause, Ittingen

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