



furniture designhouse®

FORTINO®

FORTERO®

FORTELLO® / LED

INTERNATIONAL

PRODUCT DESCRIPTION
2016



Glatz
Shade in Swiss Quality



FORTINO®



Frame: 8 rods made of natural anodized aluminium, 100 % inox, screws and rivets of high-grade steel, two-part profiled pole 38.4 x 2 mm, contra-rotating opening system allowing for easy opening.

• Point of use • Fastenings

Framematerial: Anodized natural

Frameform: Round or square

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

Flounce: Not available

Protective cover: Optional



The portable *easy* range is only available in material class 2

Shade cover: Available in material class 2 (100 % polyester approx. 220 g/m²)

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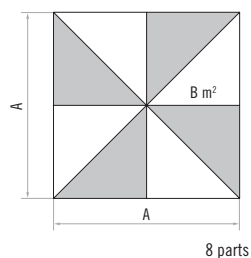
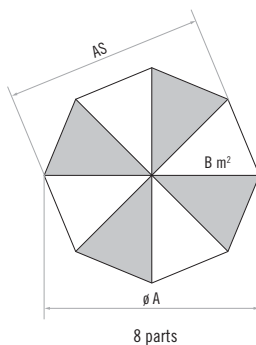


Nominal size FORTINO®

Size without flounce	Number of rods	Material class 4	Material class 5	Order no. Frame anodized natural
		Colours 400 – 499	Colours 500 – 699	
cm				
∅ 250	8 parts			310 00 250 171
∅ 270	8 parts			310 00 270 171
∅ 300	8 parts			310 00 300 171
200 x 200	8 parts			310 00 201 171
240 x 240	8 parts			310 00 241 171

Nominal size FORTINO® *easy*

Size without flounce	Number of rods	Material class 2	Order no. Frame anodized natural
		Colours 150	
cm			
∅ 250	8 parts		310 00 250 171
∅ 270	8 parts		310 00 270 171
∅ 300	8 parts		310 00 300 171
200 x 200	8 parts		310 00 201 171
240 x 240	8 parts		310 00 241 171





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, contra-rotating opening system allowing for easy opening.

• Point of use • Fastenings

Framematerial: Anodized natural

Frameform: Round, rectangular or square

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

Flounce: Not available

Protective cover: Optional



The portable *easy* range is only available in material class 2

Shade cover: Available in material class 2 (100 % polyester approx. 220 g/m²)

FORTERO®, ©Int. Design reg.

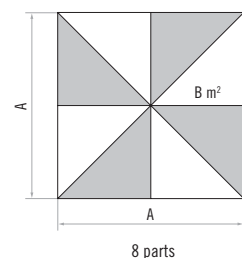
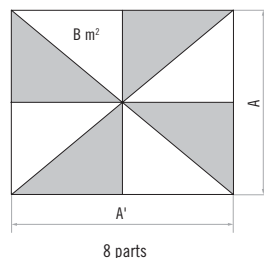
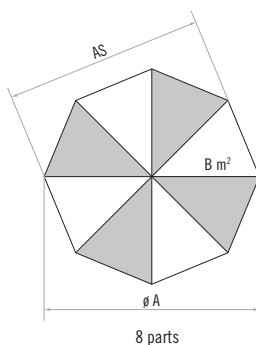


Nominal size FORTERO®

	Size without flounce	Number of rods	Material class 4	Material class 5	Order no. Frame anodized natural
			Colours 400 – 499	Colours 500 – 699	
	cm				
○	∅ 350	8 parts			320 00 350 171
	∅ 400	8 parts			320 00 400 171
□	300 × 200	8 parts			320 00 302 171
	350 × 250	8 parts			320 00 352 171
□	250 × 250	8 parts			320 00 251 171
	300 × 300	8 parts			320 00 301 171
	350 × 350	8 parts			320 00 351 171

Nominal size FORTERO® *easy*

	Size without flounce	Number of rods	Material class 2	Order no. Frame anodized natural
			Colours 150	
	cm			
○	∅ 350	8 parts		320 00 350 171
	∅ 400	8 parts		320 00 400 171
□	300 × 200	8 parts		320 00 302 171
	350 × 250	8 parts		320 00 352 171
□	250 × 250	8 parts		320 00 251 171
	300 × 300	8 parts		320 00 301 171
	350 × 350	8 parts		320 00 351 171





FORTELLO® / LED



Frame: 8 rods made of natural anodized aluminium, 100% inox, screws and rivets of high-grade steel, two-part profiled pole 67 x 3 mm, contra-rotating opening system allowing for easy opening.

• Point of use • Fastenings

Framematerial: Anodized natural

Frame shape: Round or square

Shade cover: Self-tautening thanks to the flexible rod ends, available in material class 5 (100% polyacrylic approx. 300 g/m²) and material class 4 (100% polyester approx. 250 g/m²)

Flounce: Not available

Protective cover: Optional

Integrated LED lighting: 2 brightness levels (approx. 90 and 160 lx). Colour temperature approx. 3,000K (warm white). 230 VAC, 50 Hz, 55 W incl. connector plug IP68 **LED is integrated into the struts. Retrofitting is not possible.**



The portable *easy* range is only available in material class 2

Shade cover: Available in material class 2 (100% polyester approx. 220 g/m²)

FORTELLO® LED, ©Int. Design reg.

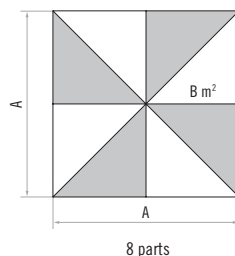
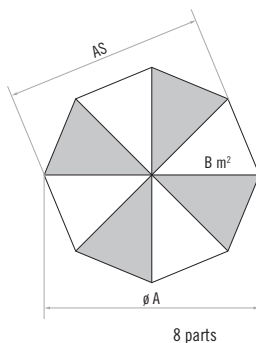


Nominal size FORTELLO®

Size without flounce	Number of rods	without LED		Order no. Frame anodized natural without LED	with LED		Order no. Frame anodized natural with LED
		Material class 4 Colours 400 – 499	Material class 5 Colours 500 – 699		Material class 4 Colours 400 – 499	Material class 5 Colours 500 – 699	
cm							
○ ∅ 450	8 parts			325 00 450 171			327 00 450 171
□ 350 x 350	8 parts			325 00 351 171			327 00 351 171
□ 400 x 400	8 parts			325 00 401 171			327 00 401 171

Nominal size FORTELLO® *easy*

Size without flounce	Number of rods	Material class 2	Order no. Frame anodized natural without LED	Material class 2	Order no. Frame anodized natural with LED
		Colours 150		Colours 150	
cm					
○ ∅ 450	8 parts		325 00 450 171		327 00 450 171
□ 350 x 350	8 parts		325 00 351 171		327 00 351 171
□ 400 x 400	8 parts		325 00 401 171		327 00 401 171



Accessories

		Order no.
Fixing option Z (support tube Z absolutely necessary)		
•	Concrete base Z, 55 kg, Ø 60 × 11 cm	350 01 109 528
• •	Concrete base Z, 70 kg, Ø 75 × 9 cm	350 01 109 527
•	Concrete base Z, 90 kg, Ø 75 × 11 cm	350 01 109 523
•	³ Granite base Z, 55 kg, 55 × 55 × 9 cm, natural stone, with castors and retractable handle	350 01 109 440
•	Natural granite base Z, 90 kg, Ø 73 × 9 cm, natural stone	350 01 109 512
• •	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
•	Wall bracket Z, 180 mm, galvanised steel	350 01 205 000
•	Support tube Z, Ø 35 / 38 – 39 mm, galvanised steel	350 01 201 010
•	Support tube Z, Ø 35 / 38 – 39 mm, high-grade steel 1.4301 / 304	350 01 201 100
•	Support tube Z, Ø 48 / 55 mm, galvanised steel	350 01 201 210
•	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)		
•	Base frame with castors 60 kg, Ø 61 × 12 cm, anthracite, with support tube Ø 35 / 38 – 39 mm, polished aluminium (Base frame ca. 17 kg)	350 01 102 400
•	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 35001105400, concrete, for base with castors 60 kg (Weight Set ca. 43 kg)	350 01 103 400
•	Weight Set, 4 pieces 35001105500, concrete, for base with castors 100 kg (Weight Set ca. 70 kg)	350 01 103 500
•	Protective cover for base with castors 60 kg	350 01 602 400
•	Protective cover for base with castors 100 kg	350 01 602 500
Fixing option BT (support tube BT absolutely necessary)		
•	Ground socket BT, galvanised steel	350 01 206 100
•	Support tube BT, Ø 35 / 38 – 39 mm, galvanised steel	350 01 206 210
Fixing option PX (support tube PX absolutely necessary)		
•	Ground socket PX, galvanised steel	350 01 207 001
•	Ground socket PX, high-grade steel 1.4301 / 304	350 01 207 011
•	Support tube PX, Ø 48 / 55 mm, galvanised steel	350 01 206 001
•	Support tube PX, Ø 48 / 55 mm, high-grade steel 1.4301 / 304	350 01 206 011
Fixing option M4 (support tube M4 absolutely necessary)		
•	³ Base frame with castors M4, 150 kg, Ø 88 × 17 cm, anthracite (weight set absolutely necessary)	350 01 102 700
•	³ Weights set, 4 pieces 35001105600, cement, for base with castors 150 kg (weight set approx. 99 kg)	350 01 103 600
•	³ Protective cover for base with castors 150 kg	350 01 602 600
•	Base M4, 120 kg, (for 8 plates 40 × 40 × 4 cm), 91 × 91 × 11.5 - 15.5 cm, galvanised steel (adjustable and levellable) (price without plates)	350 01 108 235
•	Base M4, 180 kg, (for 12 plates 40 × 40 × 4 cm), 91 × 91 × 15.5 - 19.5 cm, galvanised steel (adjustable and levellable) (price without plates)	350 01 108 335
•	Cover for base M4, 88 × 88 × 5 cm, brushed aluminium (imitation)	350 01 100 400
•	Set of castors for base M4 (maximum weight 240kg), Ø 5 cm, H = 5.5 cm, galvanised steel	350 01 100 500
•	³ Granite base M4, 120 kg, 90 × 90 × 17 cm, natural stone with castors	350 01 109 470
•	Ground socket M4, galvanised steel	350 01 226 510
•	Mounting plate M4 / M8, 30 × 30 × 1.5 cm, galvanised steel	350 01 226 921
•	Mounting plate M4 special, for installation height 50 – 149 mm, galvanised steel	350 01 226 932
•	Mounting plate M4 special, for installation height 150 – 350 mm, galvanised steel	350 01 226 930
•	Mounting plate M4 for isolated grounds, installation height made to measure, high-grade steel 1.4301 / 304	350 01 229 730
•	Wall console M4, extension 480 mm, galvanised steel	350 01 229 405
•	Wall console M4, extension 100 mm, galvanised steel	350 01 229 410
•	Support tube M4, Ø 48 / 55 mm, galvanised steel	350 01 200 035
•	Support tube M4, P+, galvanised steel	350 01 200 235
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 polished granite	350 01 226 909
•	Slab set, 12 pieces, 40 × 40 × 4 cm, (ca. 165 kg), concrete	350 01 226 907
•	Slab set, 12 pieces, 40 × 40 × 4 cm, (ca. 170 kg), 8 pieces concrete, 4 pieces polished granite	350 01 226 906
Protective cover, coated polyester fabric		
•	Protective cover with zip and rod	350 01 609 971
•	Protective cover with zip and rod	350 01 609 975
•	Protective cover with zip and rod, 315 × 60 cm	350 01 609 700
Miscellaneous items		
•	Bistro table (silvergrey)	350 01 900 100
•	Rechargeable battery light Osyrion 8 for pole Ø 48 – 68 mm, battery charger with european plug (type C) included (1 accumulator included) (not available for FORTELLO® LED)	350 01 557 960
•	Spare accu, 3.7 V, 4800 mAh (for Osyrion 8) (not available for FORTELLO® LED)	350 01 557 970
•	¹ Base transporter for sockets weighing 120 kg, 180 kg, 240 kg, 430 kg and 620 kg	350 01 909 000

¹ while stocks last

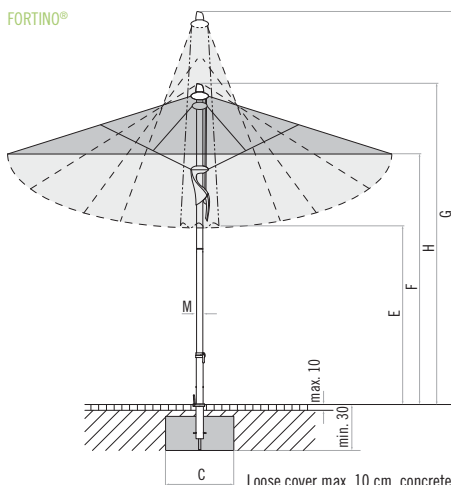
³ only suitable for smooth, joint free surface coverings

Nominal size	Lateral distance	Pole Ø	Area covered	Height closed	Clear headroom	Total height	Height open	Foundation	Recommended minimum weight for base	max. wind speed open perm.
FORTINO®										
cm	cm	cm	m ²	cm	cm	cm	cm	cm	kg	km/h (wind force)
A	AS	M	B	E	F	G	H	C		
Ø 250	230	3.8	4.4	155	205	290	260	60 × 60	55	80 (9)
Ø 270	250	3.8	5.2	145	205	295	260	60 × 60	55	65 (8)
Ø 300	275	3.8	6.4	140	205	305	265	70 × 70	70	60 (7)
200 × 200	-	3.8	4.0	130	205	280	245	60 × 60	55	70 (8)
240 × 240	-	3.8	5.8	115	205	295	250	70 × 70	70	60 (7)

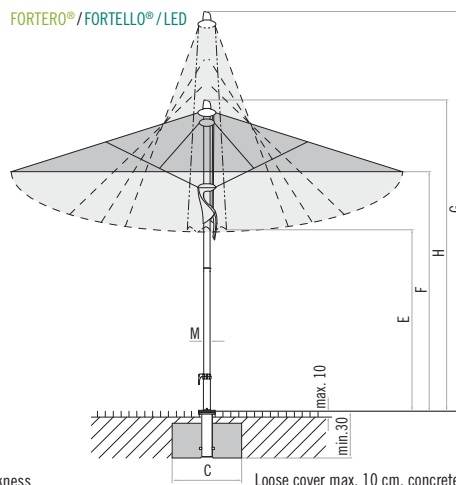
FORTERO®										
cm	cm	cm	m ²	cm	cm	cm	cm	cm	kg	km/h (wind force)
A	AS	M	B	E	F	G	H	C		
Ø 350	325	5.5	8.7	125	205	310	260	70 × 70	90	55 (7)
Ø 400	370	5.5	11.3	120	205	330	270	80 × 80	120	50 (7)
300 × 200	-	5.5	6.0	120	205	310	260	70 × 70	70	60 (7)
350 × 250	-	5.5	8.8	110	205	335	270	70 × 70	90	55 (7)
250 × 250	-	5.5	6.3	110	205	295	255	70 × 70	70	70 (8)
300 × 300	-	5.5	9.0	95	205	315	260	70 × 70	90	60 (7)
350 × 350	-	5.5	12.3	85	205	345	270	80 × 80	120	50 (7)

FORTELO® / LED										
cm	cm	cm	m ²	cm	cm	cm	cm	cm	kg	km/h (Bft.)
A	AS	M	B	E	F	G	H	C		
Ø 450	415	6.7	14.3	130	215	365	290	80 × 80	120	65 (8)
350 × 350	-	6.7	12.3	110	215	365	280	80 × 80	120	70 (8)
400 × 400	-	6.7	16.0	95	215	385	290	100 × 100	180	60 (7)

The listed measures represent extrapolated average values that may be slightly different on the product ($\pm 2\% \pm 5$ cm).
The height dimensions are based on the ground socket M4. With the base M4, 120 kg these vary by plus 11.5 cm and with the base M4, 180 kg by plus 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



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

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