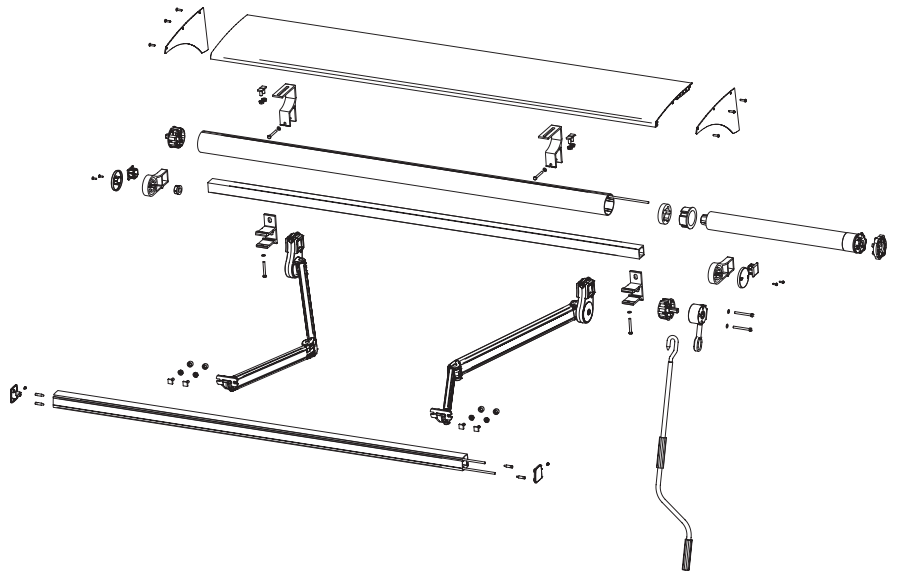
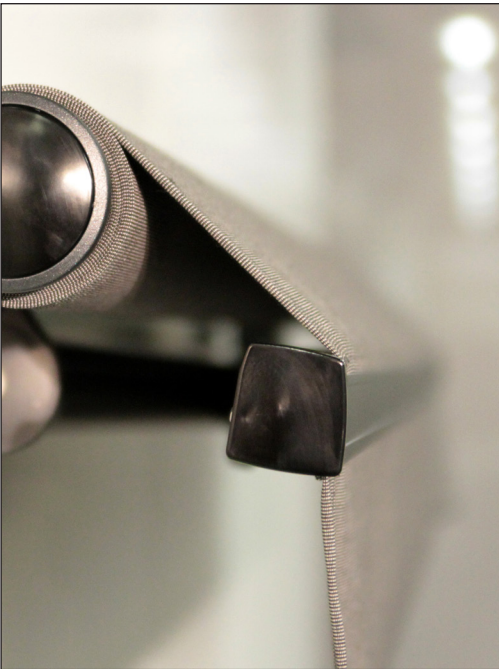


FA20-series



FOLDING ARM AWNING COMPONENT BOOK

FA22
FA24

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FÖRKLARINGAR

* efter ett artikelnummer hänvisar till rekommenderad skruv etc.

EXPLANATIONS

* after an article number refers to recommended screw etc.

Beskrivning

Användningsområde

FA20-serien är en kompakt och robust vikarmsmarkis konstruerad för villaterrasser, balkonger, kiosker, butiker m.m.

Manövrering

Utvändig manövrering med växel eller motor. Invändig manövrering med motor. Motorn kan kompletteras med automatiska styrningar, t ex fjärrkontroll eller sol- och vindautomatik.

Montering

Markisen monteras enkelt direkt på väggen eller undertakfoten. Flexibla monteringskonsoler finns för snedtak.

Vikarmar

Armkomponenterna är tillverkade av pressgjutet aluminium och armprofilerna av strängpressat aluminium. Armarna är utrustade med Dyneema®-band över knäled. Starka fjädrar ger en utmärkt dukspänning.

Komponenter

Monterings konsoler är tillverkade av strängpressat aluminium. Gavelbeslag är antingen tillverkade av strängpressat aluminium eller pressgjutet aluminium.

Växlar är tillverkade av pressgjutet zink och den löstagbara veven i stål. Bussningar för valsrör 70 och 71 mm är tillverkade av pressgjutet zink. Ändskydd till frontprofil och bärprofil är tillverkade av polyeten, lagerbussning i självsmörjande polyamid. Fästelement är tillverkade av rostfritt stål, förzinkat stål eller stål ytbehandlat med Dacro 500 LC.

FA20-serien kan förses med takprofil av strängpressat aluminium med aluminiumgavlar och takhållare i strängpressat aluminium. Skarvstift i rostfritt stål.

Profiler

Front- och takprofilen är tillverkade av strängpressat aluminium. Valsrör 70 mm är tillverkade av specialförzinkat stål, valsrör 71 mm i strängpressat aluminium. Bärprofil 35x35 mm är tillverkad av specialförzinkat stål.

Färger

Pulverlackerade artiklar har färgkod 0001 för vit (RAL9010), 0182 för silver och 0914 för svart. Infärgade plastartiklar har färgkod 0001 för vit (RAL9010), 0182 för silver och 0049 för svart. Obehandlade eller galvaniserade artiklar har färgkod 0000. Vevar är i RAL7035.

Dimensioner FA22

Utfall (m): 1.0, 1.5, 2.0, 2.5 och 3.0
Max bredd 5.0 m per enhet
Seriekoppling upp till 15.0 m.

Dimensioner FA24

Utfall (m): 1.0, 1.5, 2.0, 2.5 och 3.0
Max bredd 5.0 m per enhet
Seriekoppling upp till 15.0 m.

Icke standard artiklar

Artikelnummer märkt med "Nonstandard" lagerväntan inte och har därför längre leveranstid. Minsta orderkvantitet (Min) gäller.

Vi förbehåller oss rätten till konstruktionsförändringar.

Description

Range of application

FA20-series is a compact and robust folding arm awning designed for terraces, bungalows, balconies, kiosks, shops etc.

Operation

External operation by gear or motor. Internal operation by motor. The motor can be completed with automatic controls, for example remote control or sun and wind sensors.

Installation

The awning can easily be installed directly onto the wall or under the eave. Flexible roof brackets available.

Folding arms

The arm components are manufactured of pressure die casted aluminium and the arm profiles of extruded aluminium. The arms are equipped with Dyneema®-tape connection over knee. Powerful springs provide a very good tension of the fabric.

Components

The installation brackets are manufactured of extruded aluminium. The end brackets are either manufactured of extruded aluminium or of pressure die casted aluminium.

Gears are manufactured of pressure die casted zinc and the removable crank handle in steel. Bushings for roller tube 70 and 71mm are manufactured of pressure die casted zinc. End cap for front and square tube are manufactured of polyethylene, bushing in self lubricating polyamide. Fasteners are manufactured of stainless steel, zinc plated steel or steel surface treated with Dacro 500 LC.

FA20-series can be provided with a hood profile of extruded aluminium and with aluminium hood side covers and hood bracket in extruded aluminium. Joining piece in stainless steel.

Profiles

The front tube and hood profile are manufactured of extruded aluminium.

Roller tube 70mm are manufactured of special zinc plated steel, roller tube 71 mm in extruded aluminium.

Square tube 35x35mm is manufactured of extruded aluminium.

Colours

Powder coated parts have colour code 0001 for white (RAL9010), 0182 for silver and 0914 for black. Pigmented plastic parts have colour code 0001 for white (RAL9010), 0182 for silver and 0049 for black. Untreated or galvanized parts have colour code 0000. Crank handles in RAL7035.

Dimensions FA22

Projection (m): 1.0, 1.5, 2.0, 2.5 and 3.0

Max width 5.0 m per unit.

Series connection up to 15.0 m.

Dimensions FA24

Projection (m): 1.0, 1.5, 2.0, 2.5 and 3.0

Max width 5.0 m per unit.

Series connection up to 15.0 m.

Nonstandard articles

Article numbers marked "Nonstandard" are not kept in stock, which results in longer delivery times. Minimum order quantities (Min) apply.

Subject to changes without notice.

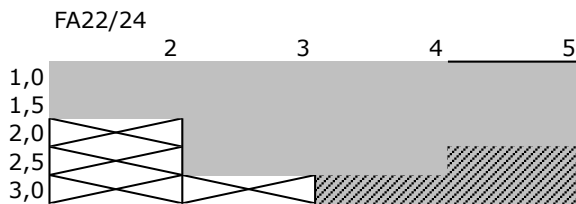
Information EN 13561

Overview Wind Classes

Class	Wind Strength (Beaufort)	Wind speed (km/h)	Wind speed (m/s)	Pressure (N/m ²)
0	1-3	≤ 19	≈5,3	< 40
1	4	20-28	≈7,7	40
2	5	29-38	≈10,5	70

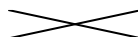
To fulfil the according wind class it is very important that the awning is mounted with the right amount of installation brackets and with suitable fasteners. It must be prevented that the fastening is the weakest link.

Wind classification according to EN13561

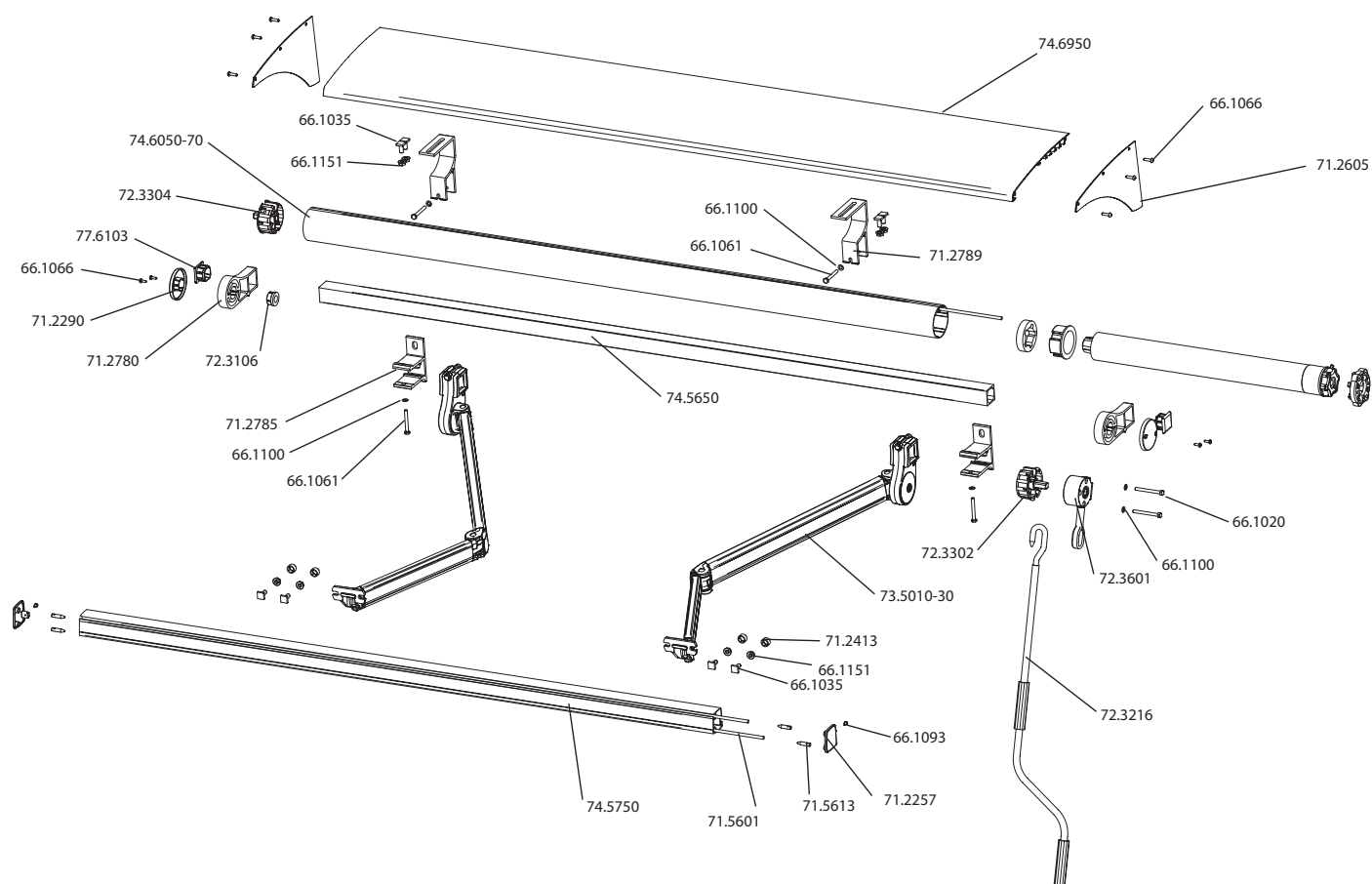


 Wind class 2

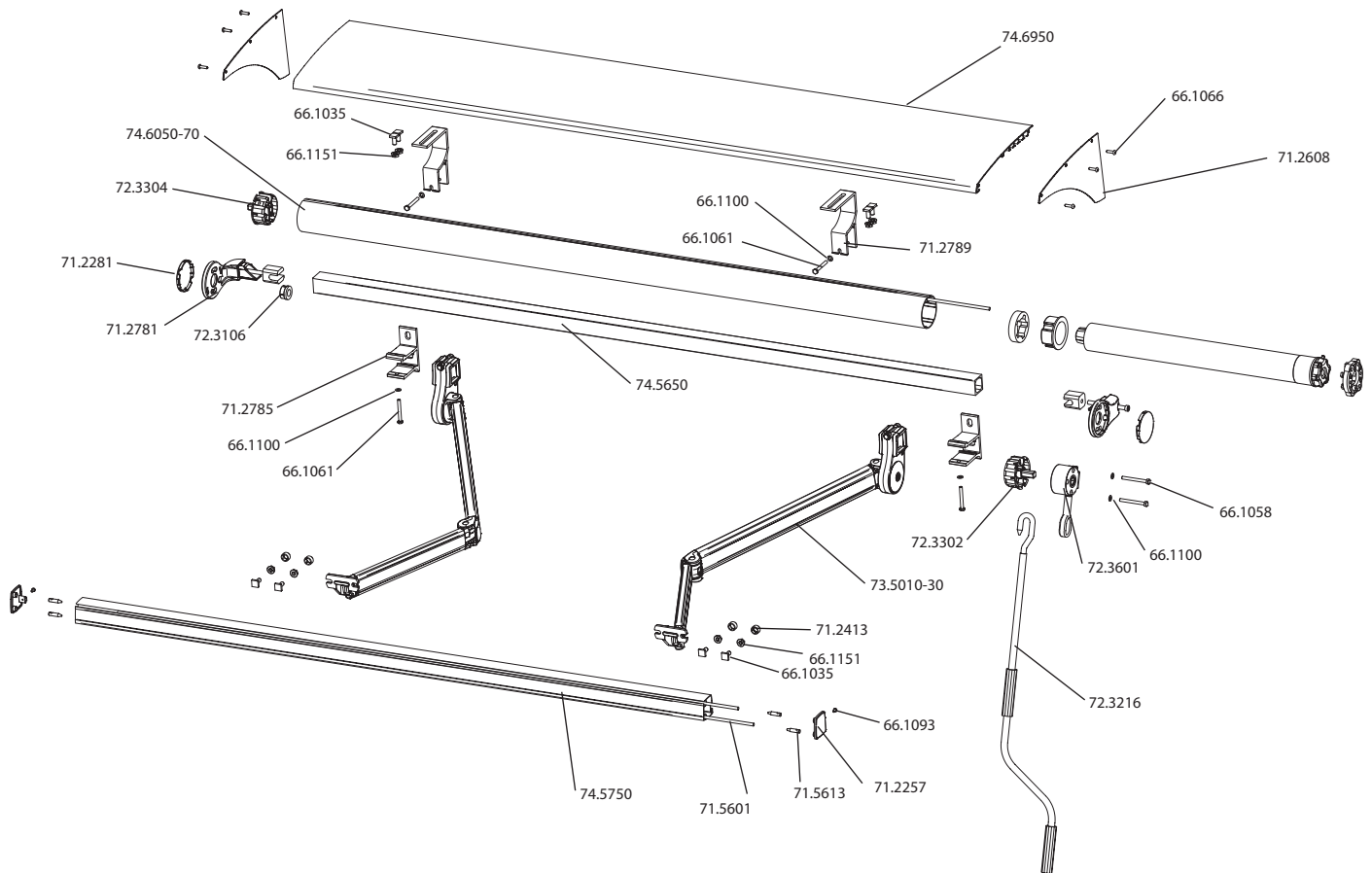
 Wind class 1

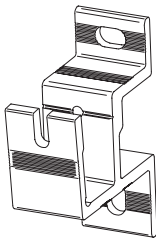
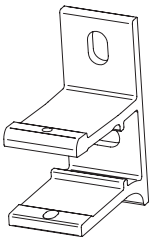
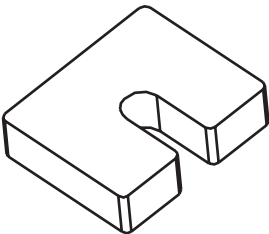
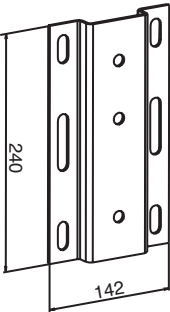
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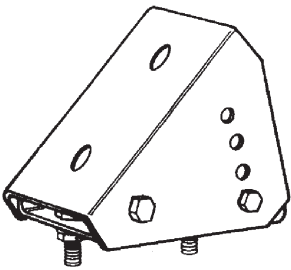
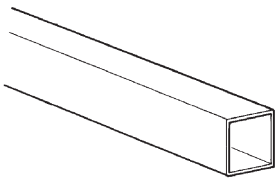
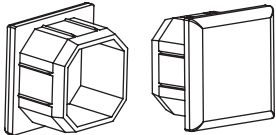
Exploded view FA22

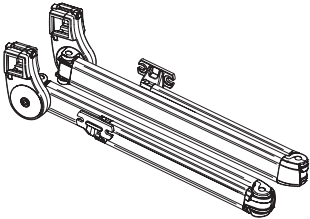
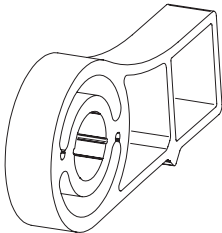
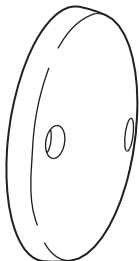


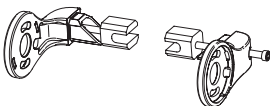
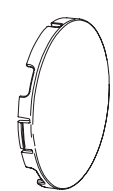
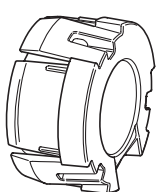
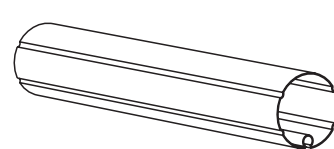
Exploded view FA24

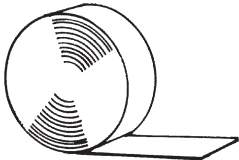
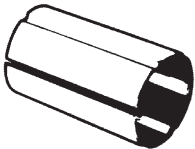
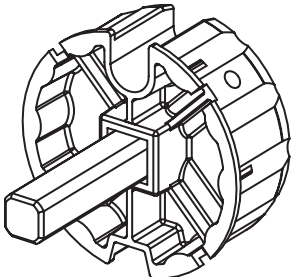



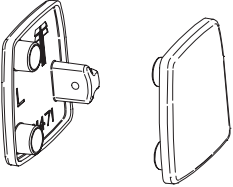
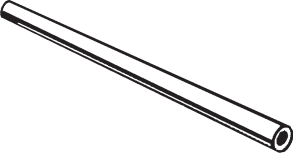
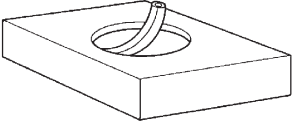
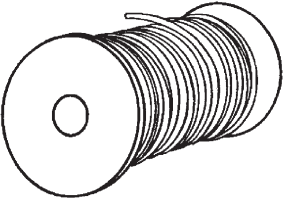
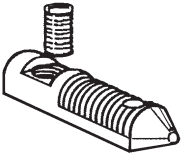
	Article No.	Description	Note	Stand. pack
		Installation bracket universal Aluminium	35 x 35 mm	
		Monteringskonsol kombi Aluminium		
		* 66.1069, 66.1108		
	71.2786.0001	Vit White		20
	71.2786.0182	Silver		20
	71.2786.0914	Svart Black		20
		Installation bracket wall Aluminium	35 x 35 mm	
		Monteringskonsol vägg Aluminium		
		* 66.1061, 66.1100		
	71.2785.0001	Vit White		20
	71.2785.0182	Silver		20
	71.2785.0914	Svart Black		20
		Distance piece Aluminium, for installation bracket	15 mm	
		Distans Aluminium, för monteringskonsol		
	72.2005.0000			20
		Spreader plate Steel, for brackets FA20 & FA40		
		Viktfördelningsplatta Stål, för konsoller FA20 & FA40		
		* 66.1074, 66.1106, 66.1150		
	71.5104.0001	Vit White		1
	71.5104.0182	Silver		1
	71.5104.0914	Svart Black		1

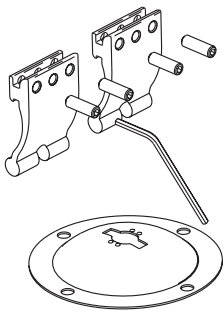
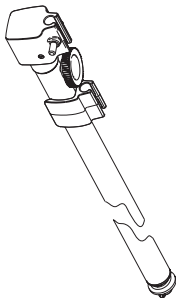
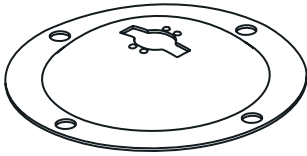
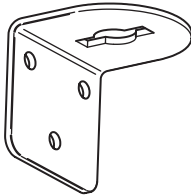
	Article No.	Description	Note	Stand. pack
		Roof bracket 5° - 45° Steel, incl. screws, for bracket Takstolskonsol 5° - 45° Stål, inkl. skruvar, för konsol		
	71.5103.0001	Vit White		4
	71.5103.0182	Silver		4
	71.5103.0914	Svart Black		4
		Square tube Aluminium Bärprofil Aluminium	35x35x2.0 mm	
	74.5650.0001	Vit White	6 x 5 m	30 m
	74.5650.0182	Silver	6 x 5 m	30 m
	74.5650.0914	Svart Black	6 x 5 m	30 m
		End cap Polyethylene, for square tube 74.3550-70 Ändskydd Polyeten, för bärprofil 74.3550-70	35 x 35 mm	
	77.6103.0001	Vit White		100
	77.6103.0049	Svart Black		100
	77.6103.0182	Silver		100

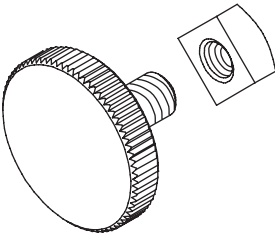

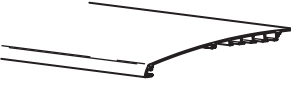

	Article No.	Description	Note	Stand. pack
		Folding arm Complete, with Dyneema-tape connection over elbow. Vikarm Komplett, med Dyneema-band över knäled.	35 x 35 mm	
		* 66.1035, 66.1151		
	73.5010.0001	(3'3") Vit White	1.0 m	1 pair
	73.5010.0182	(3'3") Silver	1.0 m	1 pair
	73.5010.0914	(3'3") Svart Black	1.0 m	1 pair
	73.5015.0001	(4'11") Vit White	1.5 m	1 pair
	73.5015.0182	(4'11") Silver	1.5 m	1 pair
	73.5015.0914	(4'11") Svart Black	1.5 m	1 pair
	73.5020.0001	(6'6") Vit White	2.0 m	1 pair
	73.5020.0182	(6'6") Silver	2.0 m	1 pair
	73.5020.0914	(6'6") Svart Black	2.0 m	1 pair
	73.5025.0001	(8'2") Vit White	2.5 m	1 pair
	73.5025.0182	(8'2") Silver	2.5 m	1 pair
	73.5025.0914	(8'2") Svart Black	2.5 m	1 pair
	73.5030.0001	(9'10") Vit White	3.0 m	1 pair
	73.5030.0182	(9'10") Silver	3.0 m	1 pair
	73.5030.0914	(9'10") Svart Black	3.0 m	1 pair
		End bracket Aluminium Gavelbeslag Aluminium	35 x 35 mm	
		* 66.1049		
	71.2780.0001	Vit White		20
	71.2780.0182	Silver		20
	71.2780.0914	Svart Black		20
		End cap Round ASA, for end bracket 71.2790/71.2780 Ändskydd Runt ASA, för gavelbeslag 71.2790/71.2780		
		*66.1066		
	71.2290.0001	Vit White		40
	71.2290.0049	Svart Black		40
	71.2290.0182	Silver		40

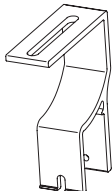
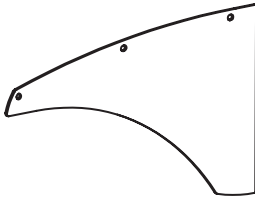
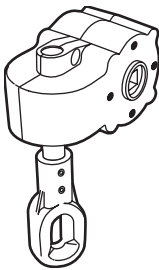
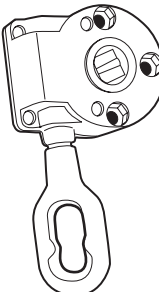
	Article No.	Description	Note	Stand. pack
		End bracket Design Aluminium Gavelbeslag Design Aluminium	35 x 35 mm	
	71.2781.0001	Vit White		10 pairs
	71.2781.0182	Silver		10 pairs
	71.2781.0914	Svart Black		10 pairs
		End cap Design Round ASA, for end bracket design 71.2781 Ändskydd Design Runt ASA, för gavelbeslag design 71.2781		
	71.2281.0001	Vit White		20
	71.2281.0049	Svart Black		20
	71.2281.0182	Silver		20
		Bushing Self lubricating polyamide, for end brackets Lagerbussning Självsmörjande polyamid, för gavelbeslag	Sq 12.7 mm (1/2")	
	72.3106.0000	15/27mm		20
		Roller tube Steel, special zinc plated Valsrör Stål, specialförzinkat	ø 70x1.0 mm	
	74.6050.0000	(16'5")	1 / 39 x5 m	5 / 195 m
	74.6070.0000	(22'11")	1 / 39 x7 m	7 / 273 m

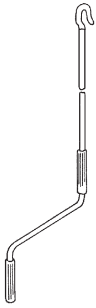
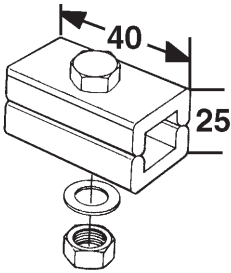
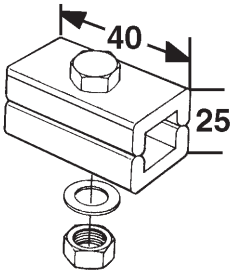
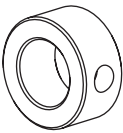
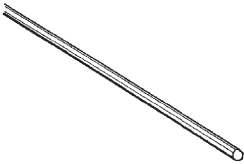
	Article No.	Description	Note	Stand. pack
		Woven tape roller tube for use on vivible part of roller tube Vävtejp valsör för användning på synlig del av valsör	width: 50 mm	
	71.2307.0001	Vit White		50 m
	71.2307.0049	Svart Black		50 m
	71.2307.0182	Silver		50 m
		Joining piece Steel, zinc plated, for roller tube 74.6050 - 70 Skarvprofil Stål, förzinkat, för valsör 74.6050 - 70	ø 68x1.0 mm	
	71.4301.0000	L 0.5 m (1'7")		1
		Drive bushing Zinc, for roller tube 74.6050 - 70 / 74.6650 - 70 Drivbussning Zink, för valsör 74.6050 - 70 / 74.6650 - 70	ø 70 mm	
	72.3102.0000		Shaft 22 mm	10
	72.3115.0000		Shaft 40 mm	10
	72.3307.0000	Can be combined with 72.3101 for series connection	Shaft 120 mm	10
		Front tube Aluminium Frontprofil Aluminium	43 x 46 mm	
	74.5750.0001	(13'1") Vit White	6 x 5 m	30 m
	74.5750.0182	(13'1") Silver	6 x 5 m	30 m
	74.5750.0914	(13'1") Svart Black	6 x 5 m	30 m

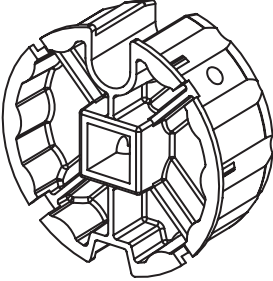
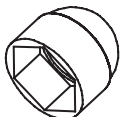
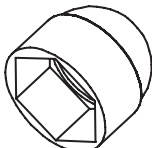
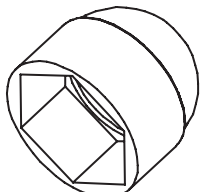

	Article No.	Description	Note	Stand. pack
		End cap Polyethylene, for front tube 74.5740 Ändskydd Polyeten, för frontprofil 74.5740		
	71.2257.0001	* 66.1093 Vit White		20 pairs
	71.2257.0049	Svart Black		20 pairs
	71.2257.0182	Silver		20 pairs
		Locking profile PVC, hard, for locking of fabric Låsprofil PVC, hård, för låsning av duk	ø 6 mm	
	71.5601.0000	(19'8")	24 / 240 x6 m	144 / 1440 m
		Locking profile Polyethylene, medium, for locking of fabric Låsprofil Polyeten, halvhård, för låsning av duk	ø 6 mm	
	77.6600.0000	(1640')		500 m
		Locking profile Polyethylene, soft, for locking of fabric Låsprofil Polyeten, mjuk, för låsning av duk	ø 6 mm	
	77.6601.0000	(656ft)		450 m
		Fabric lock Zinc, with screw Duklås Zink, med skruv	ø 8 mm	
	71.5613.0000			100

	Article No.	Description	Note	Stand. pack
	73.2601.0000	Installation kit Stainless steel, for telescopic support 73.2600/08 Monteringskit Rostfritt stål, för teleskopstag 73.2600/08		1
	73.2608.0000	Telescopic support Aluminium, for front profile Teleskopstag Aluminium, för frontprofil (2'8" - 4'7") 800 - 1400 mm		1
	73.2600.0000	(5'4" - 8'2") 1500 - 2500 mm		1
	73.2603.0000	Base Plate Stainless steel, for telescopic support 73.2600/08 Basplatta Rostfritt stål, för teleskopstag 73.2600/08		1
	73.2606.0000	Base Plate L-shaped Stainless steel, for telescopic support 73.2600/08 Basplatta Vinkel Rostfritt stål, för teleskopstag 73.2600/08		1






	Article No.	Description	Note	Stand. pack
	73.2602.0000	Knob and nut Spare part for telescopic support 73.2600/08 Ratt och mutter Reservdel för teleskopstag 73.2600/08	Reservdel	1
	73.2605.0000	Telescopic Support holder Spare part for telescopic support 73.2600/08 Teleskopstagshållare Reservdel för teleskopstag 73.2600/08	Reservdel	1
		Hood profile Aluminium Takprofil Aluminium	245 mm	
	74.6950.0001	(16'7") Vit White	2 x 5.05m	10.1 m
	74.6950.0182	(16'7") Silver	2 x 5.05m	10.1 m
	74.6950.0914	(16'7") Svart Black	2 x 5.05m	10.1 m
	66.5850.0000	Joining pin Stainless steel, for hood profile 74.6850-70 & 74.6950 Skarvstift Rostfritt stål, för takprofil 74.6850-70 & 74.6950	ø 4 mm	10
		L 60 mm (2")		

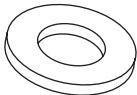


	Article No.	Description	Note	Stand. pack
		Hood bracket Aluminium, for hood profile 74.6250-70 Takhållare Aluminium, för takprofil 74.6250-70 * 66.1061, 66.1100, 66.1035, 66.1151	35 x 35 mm (Alu)	
	71.2789.0001	Vit White		10
	71.2789.0182	Silver		10
	71.2789.0914	Svart Black		10
		Hood side cover Aluminium, för takprofil 74.6950 Takgavel Aluminium, for hood profile 74.6950 * 66.1066		
	71.2608.0001	Vit White		1
	71.2608.0182	Silver		1
	71.2608.0914	Svart Black		1
		Worm gear Zinc, 8.5:1 30 Nm Snäckväxel Zink, 8.5:1 30 Nm *66.1020, 66.1100	Sq 12.7 mm (1/2")	
	72.3601.0001	Vit White	Shaft 41 mm	20
	72.3601.0182	Silver	Shaft 41 mm	20
	72.3601.0914	Svart Black	Shaft 41 mm	20
		Worm gear Zinc, 7:1 20 Nm Snäckväxel Zinc, 7:1 20 Nm *66.1061, 66.1100, 66.1153	Sq 12.7 mm (1/2")	
	72.3608.0001	Vit White	Shaft 35 mm	25
	72.3608.7035	Silver	Shaft 35 mm	25

	Article No.	Description	Note	Stand. pack
		Crank handle Steel, with handles in ABS		
		Vev Stål, med handtag i ABS		
	72.3208.0001	0.8 m (2'8") Vit White		1
	72.3208.0049	0.8 m (2'8") Svart Black		1
	72.3208.7035	0.8 m (2'8") Silver		1
	72.3212.7035	1.2 m (3'11") Silver		10
	72.3214.7035	1.4 m (4'7") Silver		10
	72.3216.0001	1.6 m (5'3") Vit White		10
	72.3216.0049	1.6 m (5'3") Svart Black		10
	72.3216.7035	1.6 m (5'3") Silver		10
	72.3218.7035	1.8 m (5'11") Silver		10
	72.3224.7035	2.4 m (7'10") Silver		10
		Serie connection fitting Steel, zinc plated, incl. screw, washer and nut	Sq 12.7 mm (1/2")	
		Seriekopplingsbeslag Stål, förzinkad, inkl. skruv,bricka och mutter		
	71.3703.0000			20
		Stop ring Steel, zinc plated, for square shaft 71.3704	Ø 15 mm	
		Stoppring Stål, förzinkat, för fyrkantsaxel 71.3704		
	71.3705.0000	*66.1045		1
		Square shaft Steel, zinc plated, for series connection	Sq 12.7 mm (1/2")	
		Fyrkantsaxel Stål, förzinkat, för seriekoppling		
	71.3704.0000	(9'10")		3.0 m

	Article No.	Description	Note	Stand. pack
	72.3101.0000	Series connection bushing, threaded Zinc, for roller tube 74.6050 - 70 / 74.6650 - 70 Seriekopplingsbussning, gängad Zink, för valsrör 74.6050 - 70 / 74.6650 - 70 * 66.1045	ø 70 mm	16
		Can be combined with 72.3307 for series connection		
	71.2410.0001	Plastic cover Polyethylene Plastskydd Polyeten Vit White	Hex 10 mm (M6)	100
	71.2410.0049	Svart Black		100
	71.2410.0182	Silver		100
	71.2413.0001	Plastic cover Polyethylene Plastskydd Polyeten Vit White	Hex 13 mm (M8)	100
	71.2413.0049	Svart Black		100
	71.2413.0182	Silver		100
	71.2417.0001	Plastic cover Polyethylene Plastskydd Polyeten Vit White	Hex 17 mm (M10)	100
	71.2417.0049	Svart Black		100
	71.2417.0182	Silver		100
	66.1058.0000	Bolt Stainless steel Skruv Rostfritt stål	Spanner 10 mm	100
			M6x14	

	Article No.	Description	Note	Stand. pack
	66.1061.0000	Bolt Stainless steel Skruv Rostfritt stål	Spanner 10 mm	100
			M6x50	
	66.1020.0000	Bolt Stainless steel Skruv Rostfritt stål	Spanner 10 mm	100
			M6x30	
	66.1069.0000	Bolt Stainless steel Skruv Rostfritt stål	Spanner 13 mm	100
			M8x55	
	66.1207.0000	Screw for installation Steel, Protect 4 Monteringsskruv Stål, Protect 4	Spanner 13 mm	50
	66.1209.0000		10x90	25
			10x120	
	66.1035.0000	T-slot bolt Stainless steel T-spårskruv Rostfritt stål	Spanner 15 mm	100
			M8x18	

	Article No.	Description	Note	Stand. pack
	66.1049.0000	Screw Stainless steel	Allen key 4 mm	100
		Skruv Rostfritt stål		
	66.1094.0000	Screw Stainless steel	Allen Key 3mm	100
		Skruv Rostfritt stål		
	66.1066.0000	Screw Stainless steel	Torx T20	1000
		Skruv Rostfritt stål		
	66.1042.0000	Screw Stainless steel	Philips No. 2	100
		Skruv Rostfritt stål		
	66.1093.0000	Screw Stainless steel, thread-forming for plastic	Torx T20	100
		Skruv Rostfritt stål, gängformande för plast		

	Article No.	Description	Note	Stand. pack
		Washer Stainless steel		
	66.1100.0000		6.7x14x1.5	100
	66.1106.0000	Bricka Rostfritt stål	10.5x20x2.0	100
	66.1108.0000		8.4x16.1.5	200
		Flange nut Stainless steel, zinc plated	Spanner 13 mm	
		Flänsnutt Rostfritt stål, förzinkat		
	66.1151.0000		M8	100
		Paint 20 ml for improvement with paint of profiles and castings		
		Bättringsfärg för bättring av färg på profiler och gjutgods		
	71.2308.0001	Vit White		1
	71.2308.0182	Silver		1
	71.2308.0914	Svart Black		1

Cross reference

Description	Article No.	Articles for assembly	Quantity
End cap front	71.2257	66.1093	2
End cap round	71.2290	66.1066	2
Hood side cover	71.2608	66.1066	3
End bracket			
with gear	72.3601	66.1020	2
		66.1100	2
with gear	72.3601	66.1022	2
		66.1100	4
		66.1158	2
Installation bracket wall	71.2785	66.1061	1
		66.1100	1
Installation bracket universal	71.2786	66.1069	1
		66.1108	1
Hood bracket	71.2789	66.1061	1
		66.1100	1
		66.1035	2
		66.1151	2
Stop ring	71.3705	66.1045	1
Spreader plate	71.5104	66.1074	2
		66.1106	2
		66.1150	2
Series connection bushing	72.3101	66.1045	1
Folding arm	73.5010-30	66.1035	4
		66.1151	4
Installation of hood brackets		66.1017	2
		66.1108	2
Installation of brackets		66.1207	2

Fabrication guideline FA22 and FA24

FA22 & FA24

No of installation bracket per width and projection

	Width (m)	≤3m	≤4m	≤5m
Projection	1.0 m	2	2	2
	1.5 m	2	2	4
	2.0 m	2	4	4
	2.5 m	4	4	4
	3.0 m	4	4	4

The awning width is defined as the total horizontal length of the awning excluding hood.

The arm brackets should be assembled 1/6 of the total width, from the end bracket, when the combination of projection and width allows.

Position of installation bracket

The installation bracket should be positioned as close to the arm bracket as possible.

Fabric

Fabric requirement at projection: arm projection + 250mm excluding valance.

Hood

Hood profile 50mm longer than total width.

The hood brackets should be assembled 600mm from the end bracket.

Max distance between hood brackets 1500mm.

Special instruction for series connection of awnings

Bushing 72.3106.0000 should be used on both sides of the concerned end brackets.

Minimum gap between fabrics 65mm.

Weight (in kilograms) per width and projection

FA22&FA24 Weight (kilogram) per width and projection

	Width (m)	1,5	2,0	2,5	3,0	3,5	4,0	4,5	5,0
Projection	1.0 m	14.0	17.5	19.5	21.5	23.5	26.0	28.0	30.5
	1.5 m		18.0	20.0	22.0	24.5	26.5	28.5	31.0
	2.0 m			21.0	23.0	25.0	27.5	29.5	32.0
	2.5 m				24.0	26.0	28.0	30.5	33.0
	3.0 m					27.0	29.0	31.5	34.0
Hood		+	2.4 kg/m						
Gear		-	2 kg						

Cutting specifications from awning width

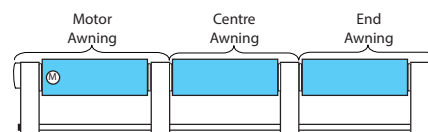
FA 22	Motor	Gear 3601	Gear 3608
Square tube	-24	-24	-24
Roller Tube 70 mm	-100	-130	-110
Front profile	-100	-130	-110
Fabric	-130	-160	-140

FA 22 Series

Connection

Shared square tube

	Motor	Center awning	End awning
Square tube	-12	0	-12
Roller tube 70 mm	-88	-36	-48
Front profile	-88	-36	-48
Fabric	-118	-66	-78

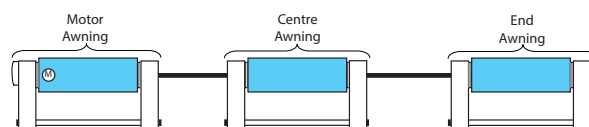


FA 22 Series

Connection

Separate Units

	Motor	Center awning	End awning
Square tube	-12	0	-12
Roller tube 70 mm	-88	-56	-68
Front profile	-88	-56	-68
Fabric	-118	-86	-98



FA 24	Motor	Gear 3601	Gear 3608
Square tube	-72	-72	-72
Roller tube 70 m	-68	-98	-78
Front profile	-68	-98	-78
Fabric	-98	-128	-108

Required Torque FA22 & FA24

Roller tube ø70 mm

Projection	2 arms
1.0m	20Nm
1.5m	26Nm
2.0m	25Nm
2.5m	25Nm
3.0m	25Nm

Total minimum width (mm)

	2 arms	3 arms	Projection
FA22	1304	1929	1000-arm
	1744	2589	1500-arm
	2304	3429	2000-arm
	2844	4239	2500-arm
	3354	NA	3000-arm
FA24	1462	2087	1000-arm
	1902	2747	1500-arm
	2462	3587	2000-arm
	3002	4387	2500-arm
	3512	NA	3000-arm

 = outside our recommendations

Bill of material: FA22 (Classic) Page 1 of 2

	Colour			Qty				Unit	Pack [Unit]
	[White]	[Silver]	[Black]	2.0 m	3.0 m	4.0 m	5.0 m		
Folding arms									
Folding arm 1.0 m	73.5010.0001	73.5010.0182	73.5010.0914	1	1	1	1	Pair	1
Folding arm 1.5 m	73.5015.0001	73.5015.0182	73.5015.0914	1	1	1	1	Pair	1
Folding arm 2.0 m	73.5020.0001	73.5020.0182	73.5020.0914		1	1	1	Pair	1
Folding arm 2.5 m	73.5025.0001	73.5025.0182	73.5025.0914		1	1	1	Pair	1
Folding arm 3.0 m	73.5030.0001	73.5030.0182	73.5030.0914			1	1	Pair	1
T-slotted bolt	66.1035.0000	66.1035.0000	66.1035.0000	4	4	4	4	PCS	100
Flange nut	66.1151.0000	66.1151.0000	66.1151.0000	4	4	4	4	PCS	100
Plastic cover	71.2413.0001	71.2413.0182	71.2413.0049	4	4	4	4	PCS	100
Profiles									
Square tube 35x35 mm									
Alu	74.5650.0001	74.5650.0182	74.5650.0914	2,0	3,0	4,0	5,0	m	6 profiles
Roller tube 70 mm	74.60X0.0000	74.60X0.0000	74.60X0.0000	2,0	3,0	4,0	5,0	m	1/39 profiles
Std Front Profile									
Front tube 43x46 mm	74.5750.0001	74.5750.0182	74.5750.0914	2,0	3,0	4,0	5,0	m	6 profiles
Locking profile	71.5601.0000	71.5601.0000	71.5601.0000	6,0	9,0	12,0	15,0	m	144 / 1440
End cap Front tube 43x46mm	71.2257.0001	71.2257.0182	71.2257.0049	1	1	1	1	Pair	20
Screw (Endcap)	66.1093.0000	66.1093.0000	66.1093.0000	2	2	2	2	PCS	100
Fabric lock	71.5613.0000	71.5613.0000	71.5613.0000	4	4	4	4	PCS	100
Components									
Installation bracket universal	71.2786.0001	71.2786.0182	71.2786.0914	2	2	4	4	PCS	20
Bolt	66.1069.0000	66.1069.0000	66.1069.0000	2	2	4	4	PCS	100
Washer	66.1108.0000	66.1108.0000	66.1108.0000	2	2	4	4	PCS	100
Installation Screw	66.1207.0000	66.1207.0000	66.1207.0000	4	4	8	8	PCS	50
Plastic cover	71.2413.0001	71.2413.0182	71.2417.0049	4	4	8	8	PCS	100
End bracket	71.2780.0001	71.2780.0182	71.2780.0914	2	2	2	2	PCS	20
Screw	66.1049.0000	66.1049.0000	66.1049.0000	2	2	2	2	PCS	100
End cover Round	71.2290.0001	71.2290.0182	71.2290.0049	2	2	2	2	PCS	40
Screw	66.1066.0000	66.1066.0000	66.1066.0000	4	4	4	4	PCS	100
End cover Square	77.6103.0001	77.6103.0182	77.6103.0049	2	2	2	2	PCS	50
Bushing	72.3106.0000	72.3106.0000	72.3106.0000	1	1	1	1	PCS	20
Drive bushing 22 mm	72.3102.0000	72.3102.0000	72.3102.0000	1	1	1	1	PCS	10
With Gear									
Drive bushing 40 mm	72.3115.0000	72.3115.0000	72.3115.0000	1	1	1	1	PCS	10
Gear 8.5:1 30 Nm	72.3601.0001	72.3601.0185	72.3601.0914	1	1	1	1	PCS	20
Crank handle	72.3216.7035	72.3216.7035	72.3216.0049	1	1	1	1	PCS	10
Bolt	66.1020.0000	66.1020.0000	66.1020.0000	2	2	2	2	PCS	100
Washer	66.1100.0000	66.1100.0000	66.1100.0000	2	2	2	2	PCS	100
With Motor									
Tubular Motor		from motor supplier							
Motor Bracket		from motor supplier							
Crown		from motor supplier							
Drive Bushing		from motor supplier							

Bill of material: FA22 (Classic) Page 2 of 2

	Colour				Qty			Unit	Pack [Unit]
	[White]	[Silver]	[Black]	2.0 m	3.0 m	4.0 m	5.0 m		
Optional Hood									
Hood profile 245 mm	74.6950.0001	74.6950.0182	74.6950.0914	2,05	3,05	4,05	5,05	m	2 profiles
Hood brack	71.2789.0001	71.2789.0182	71.2789.0914	3	3	3	3	PCS	25
T-slotted bolt	66.1035.0000	66.1035.0000	66.1035.0000	6	6	6	6	PCS	100
Flange nut	66.1151.0000	66.1151.0000	66.1151.0000	6	6	6	6	PCS	100
Bolt	66.1061.0000	66.1061.0000	66.1061.0000	3	3	3	3	PCS	100
Washer	66.1100.0000	66.1100.0000	66.1100.0000	3	3	3	3	PCS	100
Plastic cover	71.2410.0001	71.2410.0182	71.2410.0058	3	3	3	3	PCS	100
Hood side cover	71.2608.0001	71.2608.0182	71.2608.0914	2	2	2	2	PCS	1
Screw	66.1066.0000	66.1066.0000	66.1066.0000	6	6	6	6	PCS	1000

Bill of material: FA24 (Design brackets) Page 1 of 2

	Colour [White]	[Silver]	[Black]	Qty				Unit	Pack [Unit]
				2.0 m	3.0 m	4.0 m	5.0 m		
Folding arms									
Folding arm 1.0 m	73.5010.0001	73.5010.0182	73.5010.0914	1	1	1	1	Pair	1
Folding arm 1.5 m	73.5015.0001	73.5015.0182	73.5015.0914	1	1	1	1	Pair	1
Folding arm 2.0 m	73.5020.0001	73.5020.0182	73.5020.0914		1	1	1	Pair	1
Folding arm 2.5 m	73.5025.0001	73.5025.0182	73.5025.0914		1	1	1	Pair	1
Folding arm 3.0 m	73.5030.0001	73.5030.0182	73.5030.0914			1	1	Pair	1
T-slotted bolt	66.1035.0000	66.1035.0000	66.1035.0000	4	4	4	4	PCS	100
Flange nut	66.1151.0000	66.1151.0000	66.1151.0000	4	4	4	4	PCS	100
Plastic cover	71.2413.0001	71.2413.0182	71.2413.0049	4	4	4	4	PCS	100
Profiles									
Square tube									
35x35 mm Alu	74.5650.0001	74.5650.0182	74.5650.0914	2,0	3,0	4,0	5,0	m	6 profiles
Roller tube 70 mm	74.60X0.0000	74.60X0.0000	74.60X0.0000	2,0	3,0	4,0	5,0	m	1/39 profiles
Std Front Profile									
Front tube									
43x46 mm	74.5750.0001	74.5750.0182	74.5750.0914	2,0	3,0	4,0	5,0	m	6 profiles
Locking profile	71.5601.0000	71.5601.0000	71.5601.0000	6,0	9,0	12,0	15,0	m	144 / 1440
End cap									
Front tube 43x46mm	71.2257.0001	71.2257.0182	71.2257.0049	1	1	1	1	Pair	20
Screw (Endcap)	66.1093.0000	66.1093.0000	66.1093.0000	2	2	2	2	PCS	100
Fabric lock	71.5613.0000	71.5613.0000	71.5613.0000	4	4	4	4	PCS	100
Components									
Wall bracket	71.2785.0001	71.2785.0182	71.2785.0914	2	2	4	4	PCS	20
Bolt	66.1061.0000	66.1061.0000	66.1061.0000	4	4	4	4	PCS	100
Washer	66.1100.0000	66.1100.0000	66.1100.0000	4	4	4	4	PCS	100
Installation Screw	66.1207.0000	66.1207.0000	66.1207.0000	4	4	8	8	PCS	50
Plastic cover	71.2413.0001	71.2413.0182	71.2417.0049	4	4	8	8	PCS	100
End bracket Design	71.2781.0001	71.2781.0182	71.2781.0914	1	1	1	1	Pair	10
End cover Round									
Design	71.2281.0001	71.2281.0182	71.2281.0049	2	2	2	2	PCS	20
Bushing	72.3106.0000	72.3106.0000	72.3106.0000	1	1	1	1	PCS	20
Drive bushing 22 mm	72.3102.0000	72.3102.0000	72.3102.0000	1	1	1	1	PCS	100
With Gear									
Drive bushing 40 mm	72.3115.0000	72.3115.0000	72.3115.0000	1	1	1	1	PCS	10
Gear 8.5:1 30 Nm	72.3601.0001	72.3601.0185	72.3601.0914	1	1	1	1	PCS	20
Crank handle	72.3216.7035	72.3216.7035	72.3216.0049	1	1	1	1	PCS	10
Bolt	66.1020.0000	66.1020.0000	66.1020.0000	2	2	2	2	PCS	100
Washer	66.1100.0000	66.1100.0000	66.1100.0000	2	2	2	2	PCS	100
With Motor									
Tubular Motor		from motor supplier							
Motor Bracket		from motor supplier							
Crown		from motor supplier							

Drive Bushing

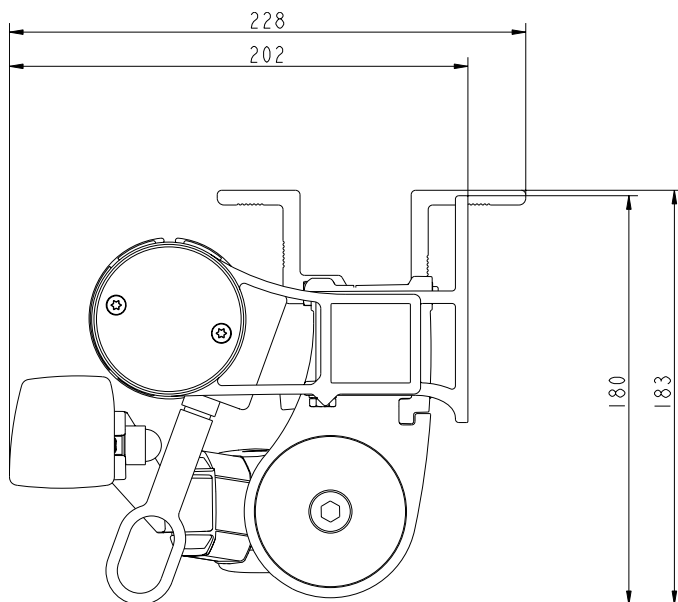
from motor supplier

Bill of material: FA24 (Design brackets) Page 2 of 2

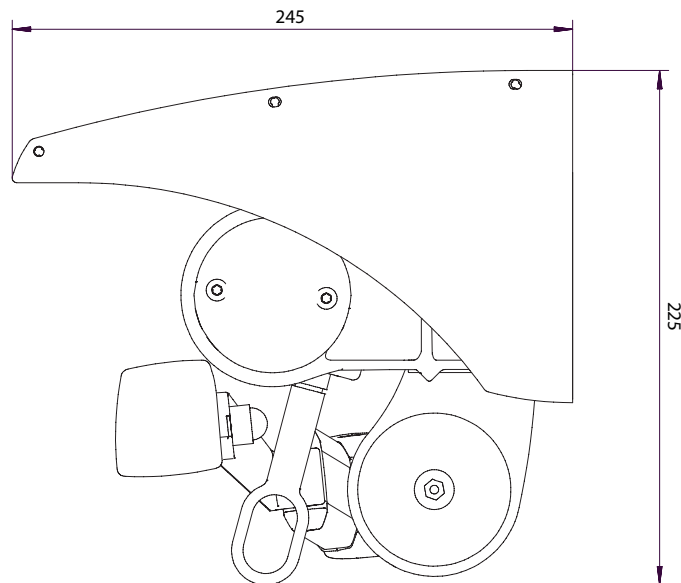
	Colour			Qty				Unit	Pack [Unit]
	[White]	[Silver]	[Black]	2.0 m	3.0 m	4.0 m	5.0 m		
Optional Hood									
Hood profile 245 mm	74.6950.0001	74.6950.0182	74.6950.0914	2,05	3,05	4,05	5,05	m	2 profiles
Hood bracket	71.2789.0001	71.2789.0182	71.2789.0914	3	3	3	3	PCS	25
T-slotted bolt	66.1035.0000	66.1035.0000	66.1035.0000	6	6	6	6	PCS	100
Flange nut	66.1151.0000	66.1151.0000	66.1151.0000	6	6	6	6	PCS	100
Bolt	66.1061.0000	66.1061.0000	66.1061.0000	3	3	3	3	PCS	100
Washer	66.1100.0000	66.1100.0000	66.1100.0000	3	3	3	3	PCS	100
Plastic cover	71.2410.0001	71.2410.0182	71.2410.0058	3	3	3	3	PCS	100
Hood side cover	71.2608.0001	71.2608.0182	71.2608.0914	2	2	2	2	PCS	1
Screw	66.1066.0000	66.1066.0000	66.1066.0000	6	6	6	6	PCS	1000

Installation views

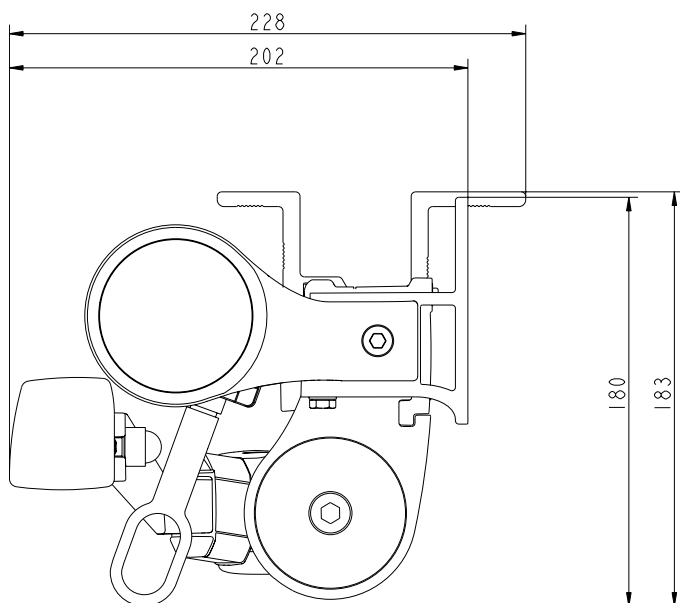
FA22



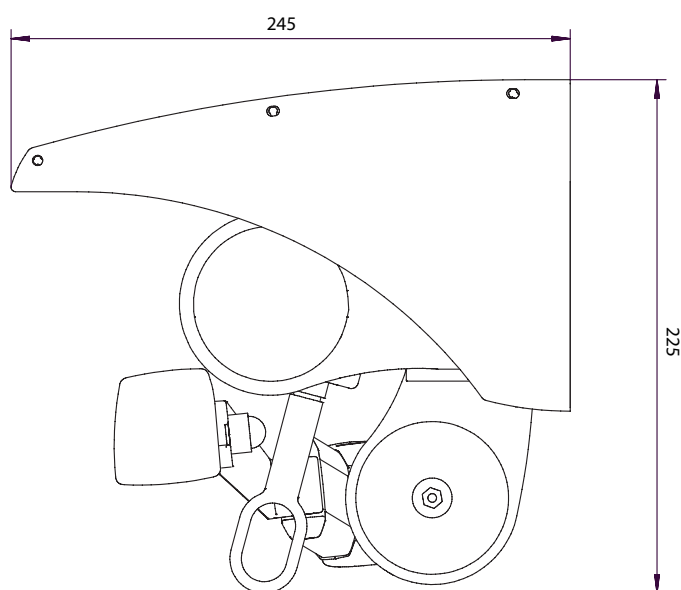
FA22 with Hood



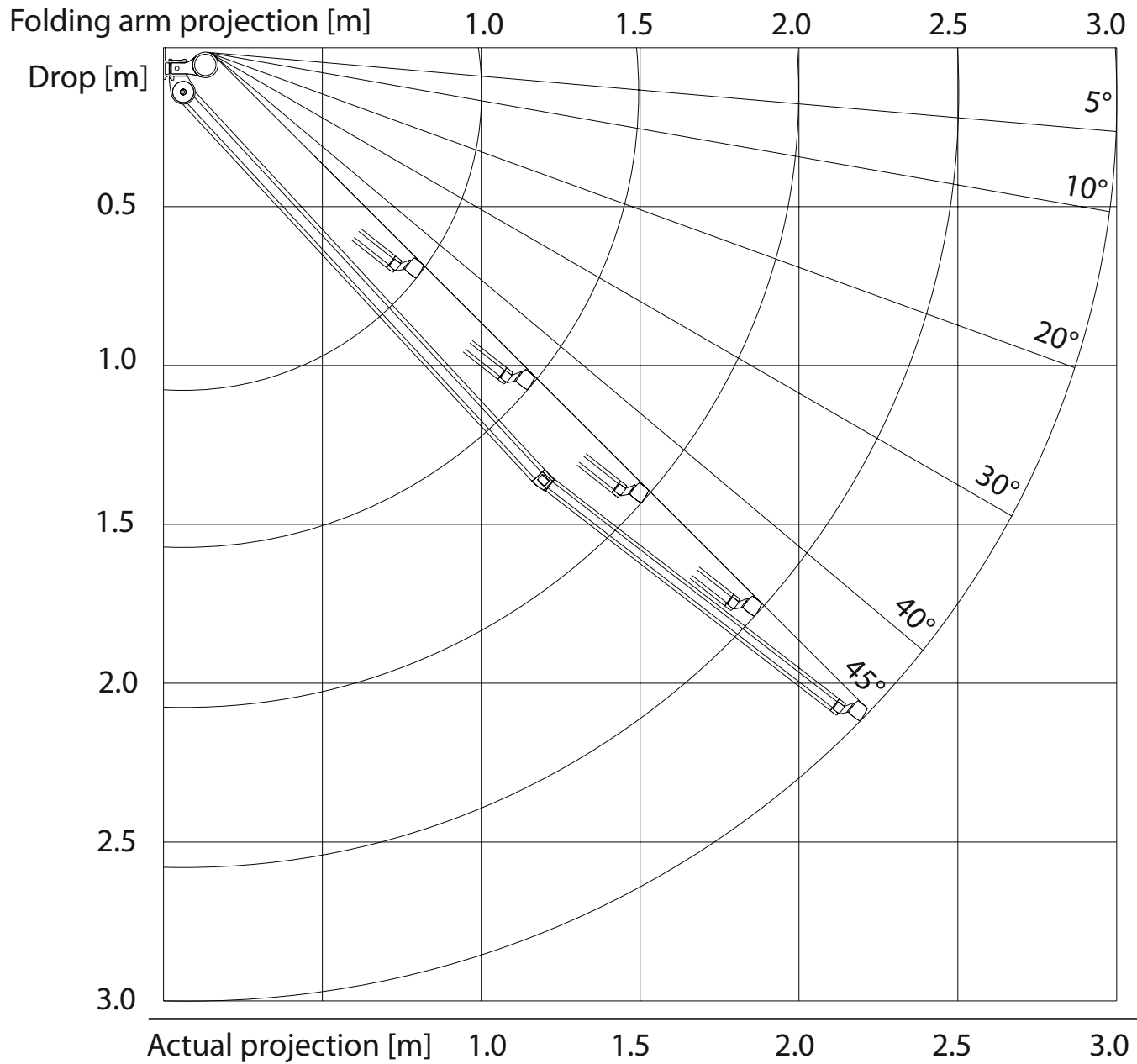
FA24



FA24 with Hood



Projection and pitch diagram



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