HunterDouglas

SA60

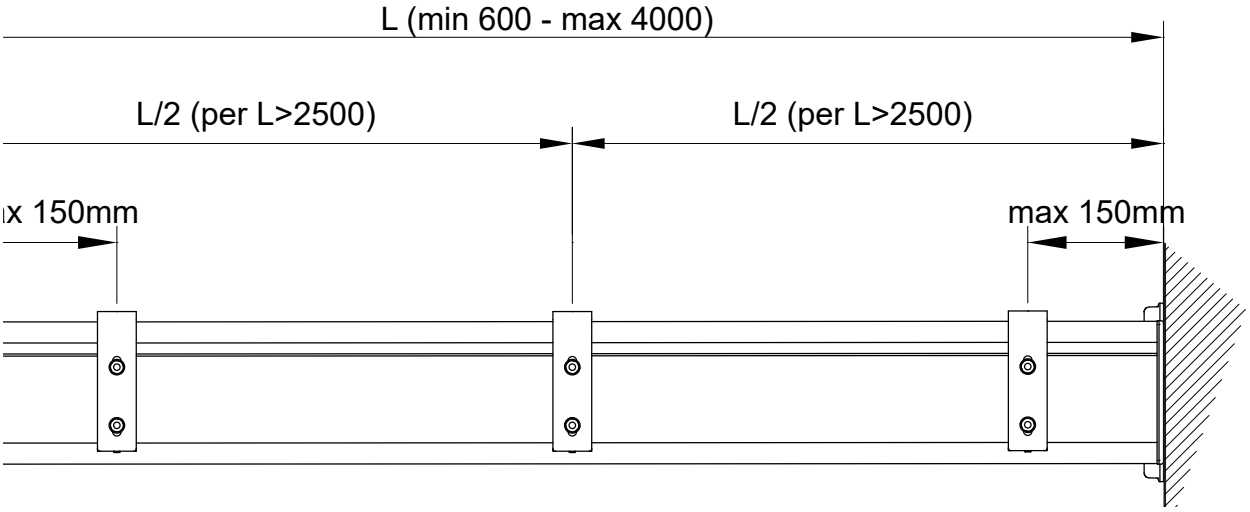
Installation manual

ENGLISH

Contents

1. TECHNICAL TABLES FOR INSTALLATION

1.1 Table of bracket distance

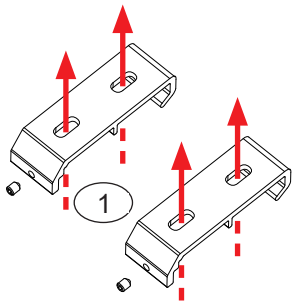


1.2 Loading table of plugs for fastening awnings based on type of support surface

Calculations for plugs have been performed on the basis of the awning's wind resistance class, per EN 13561.

WALL INSTALLATION

Calculation of the plugs has been performed with the wall bracket, on the assumption that the holes in the figure will be used.

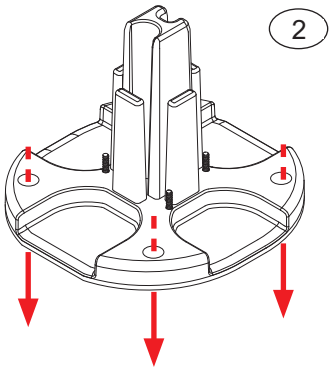


wall

Anchor extraction force (KN)		PROJECTION (cm)						
		100	150	200	250	300	350	400
HEIGHT (cm)	100	0,04	0,05	0,06	0,06	0,07	0,08	0,09
	150	0,05	0,06	0,07	0,08	0,09	0,10	0,11
	200	0,05	0,06	0,07	0,09	0,10	0,12	0,14
	250	0,06	0,07	0,08	0,10	0,12	0,14	0,16

FLOOR INSTALLATION

Calculation of the plugs has been performed with the ceiling bracket, on the assumption that the holes in the figure will be used.



Anchor extraction force (KN)		PROJECTION (cm)						
		100	**150**	**200**	**250**	**300**	**350**	**400**
HEIGHT (cm)	**100**	0,69	0,77	0,86	0,96	1,08	1,20	1,33
	150	1,12	1,30	1,50	1,74	1,99	2,27	2,56
	200	1,60	1,92	2,29	2,70	3,16	3,65	4,17
	250	2,14	2,64	3,22	3,86	4,57	5,34	6,16

The value in the table is given in KN and represents the force required to extract the most stressed plug. These values are necessary to choose the most suitable anchor based on the type of support surface the awning is to be installed on. Choose the anchor with reference to the recommended load values listed in the Hilti General Catalogue.

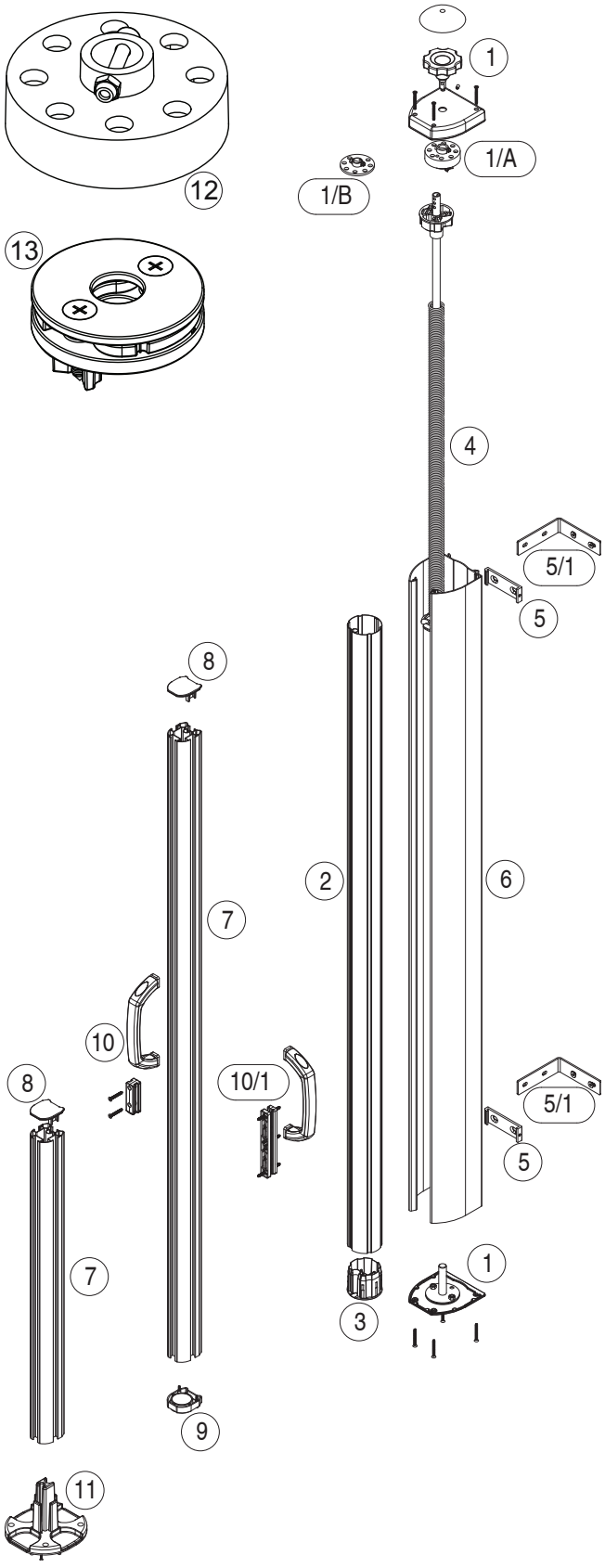
Example: awning with floor mount

- Awning size: 250x250 - load on wall plug: 3.86 KN - Substrate material: C25 concrete, not cracked. Recommended plug: Hilti HST M8 (see technical characteristics of plugs in Hilti General Catalogue), or equivalent.

The choice of anchor depends both on the type and condition of the support surface material. The installer must therefore also check the condition of the supporting surface material before installing the awning. The installer is not necessarilrequired to use Hilti anchors.

2. TECHNICAL DATA

2.1 Exploded view diagram

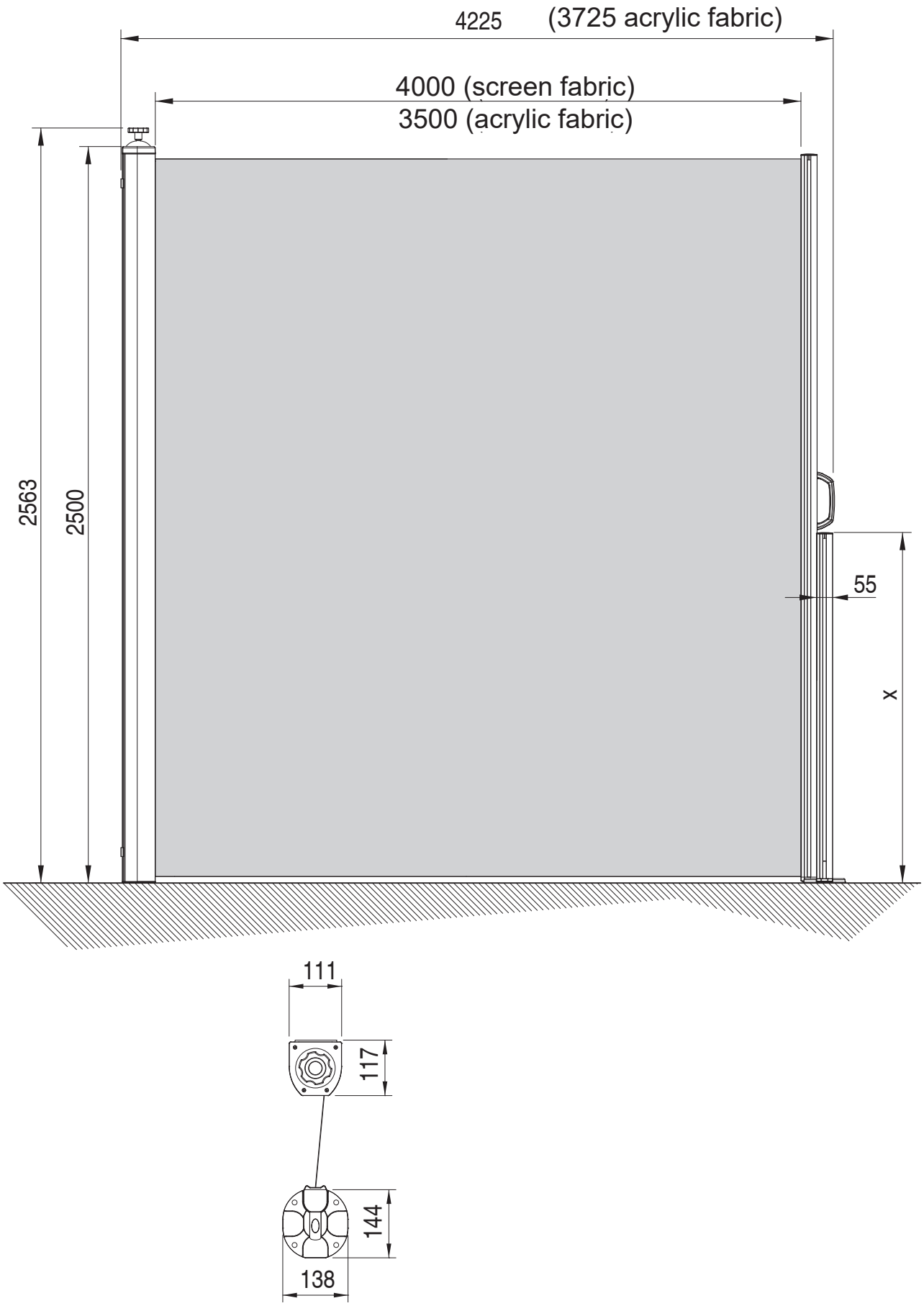


1	Case caps
1/A	“Securstop”
1/A/1	“Securstop” small size
1/B	Plate for assembled spring
2	“Rollerbat” Ø63mm
3	Ø63mm cap with hole Ø14mm
4	Assembled spring Ø63mm
5	Case wall/ceiling brackets
5/1	Case wall/ceiling bracket
6	I12223 Case
7	R18798 Terminal profile
8	Cap for terminal R18798
9	Cap for terminal R18798 with wheel
10	Front attachment handle and hook
10/1	Side attachment handle and hook
11	Foot

SAFETY KIT

12	Locking device
13	Lower support

2.2 Dimensions



2.3 Support bracket

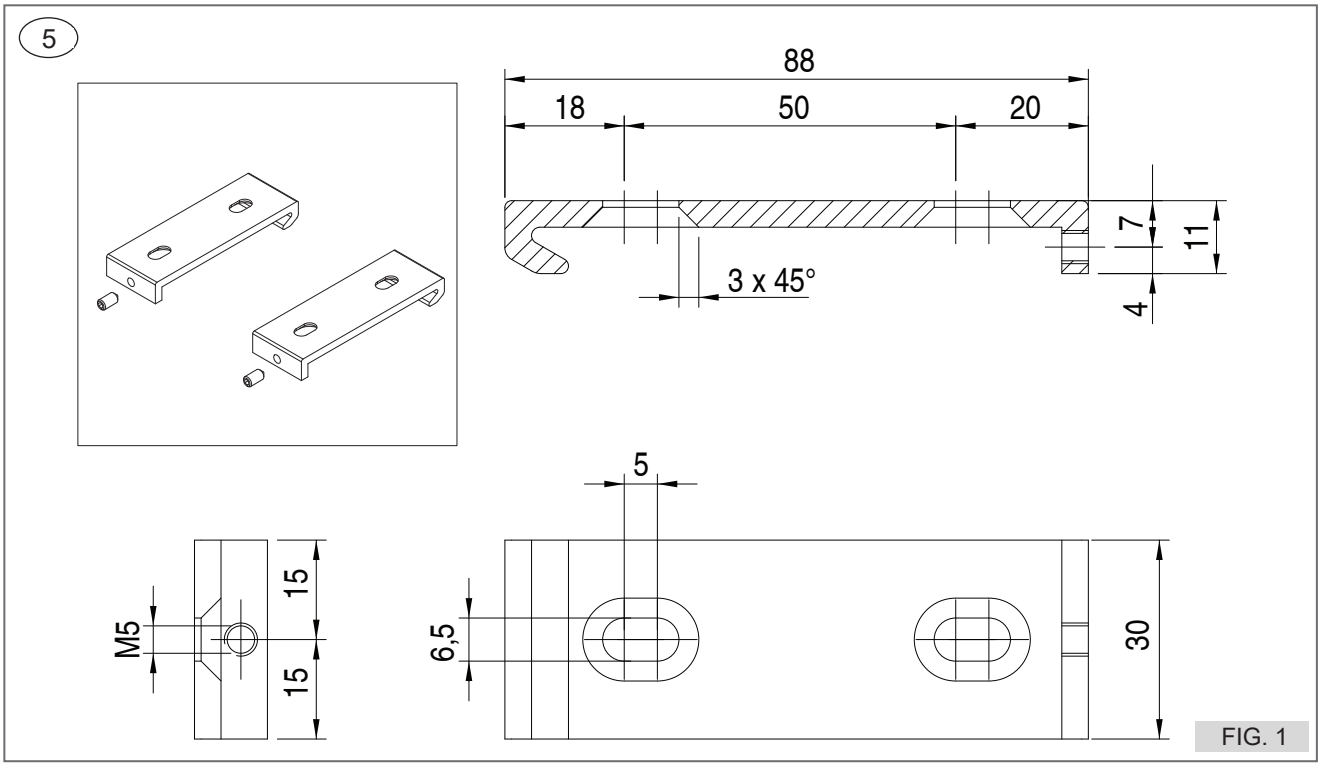


FIG. 1

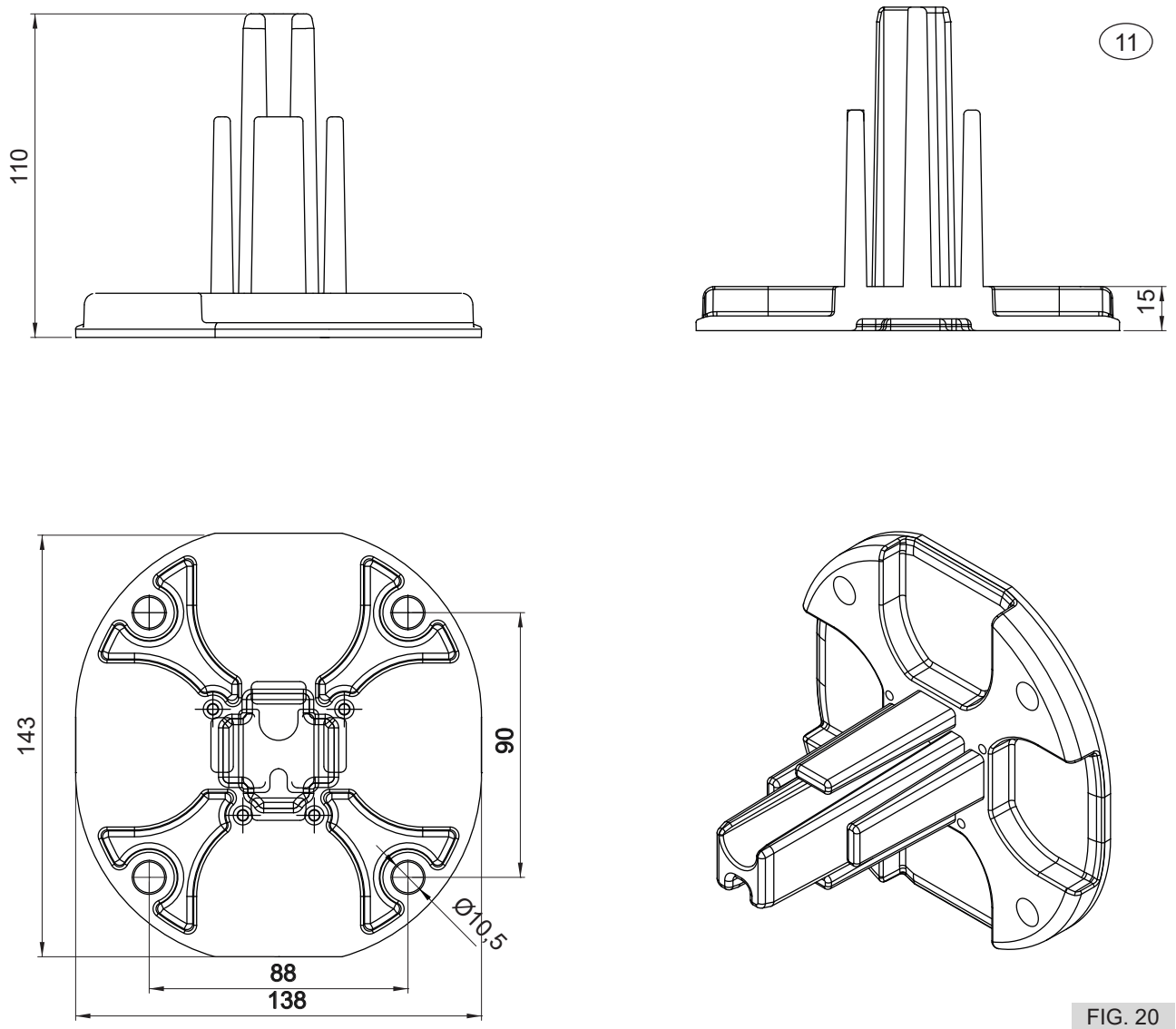


FIG. 20

3. AWNING INSTALLATION

The awning can be installed either on the wall or ceiling

All lifting and handling operations must be performed with the utmost care and in compliance with legislation covering handling of loads, making absolutely sure that unauthorised persons stay at a safe distance and that no one goes below any suspended loads, whether still or moving.

Use the most suitable wall plugs for the type of wall the awning is to be installed on.

- **If the awning is to be installed on a ceiling, do not fasten the brackets to any hollow-pot flooring sections, as this would lead to a great risk of the awning falling, with serious consequences.**

Note the following information, required to find the correct fastening position of the brackets, before starting installation:

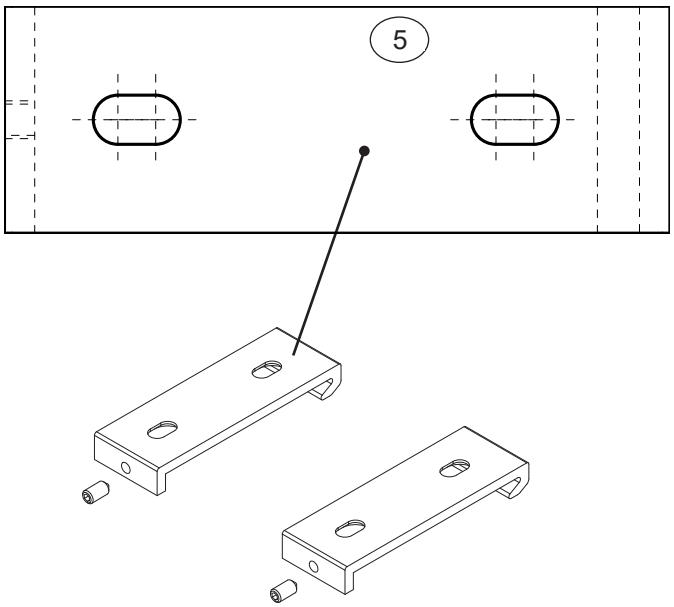
- Dimensions of the awning (box height and width, projection with awning open and closed)
- support bracket dimensions (see Chap. 6.3)
- Dimensions of the wall/ceiling the awning is to be installed on.

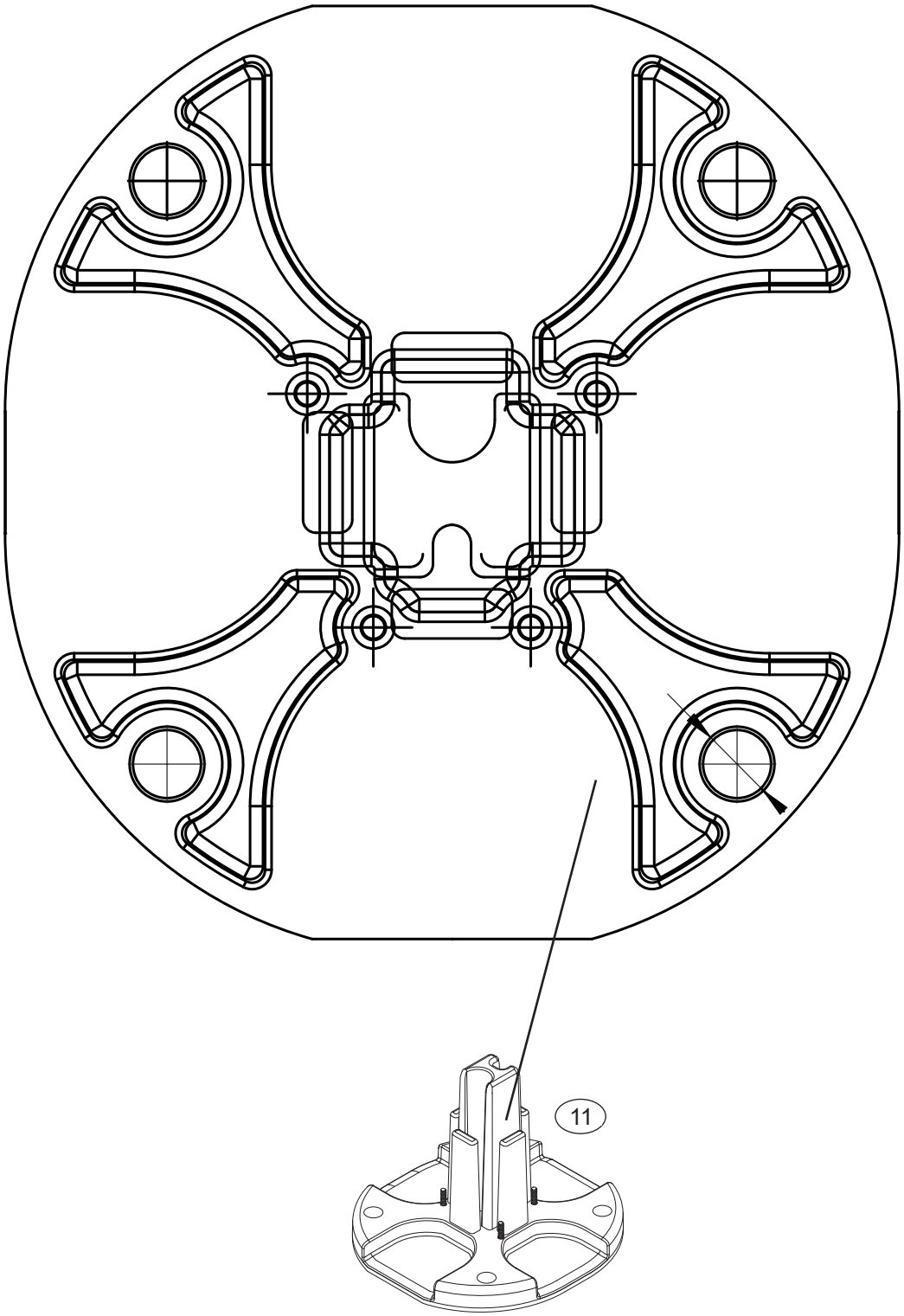
FIG. 2

3.1Preparation of templates for fastening brackets to the wall/ceiling

PRINT OUT THE FOLLOWING TEMPLATES ON A4 PAPER, CHECKING THAT THE ACTUAL MEASUREMENTS MATCH THOSE GIVEN IN CHAP. 6.3 - SUPPORT BRACKETS, PAG. 10.

WALL BRACKET scale 1:1




11

3.2 Bracket installation

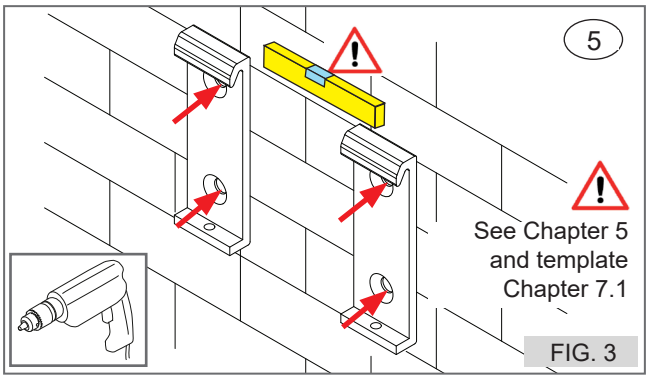


FIG. 3

Check that the brackets are correctly aligned, adding spacers if necessary to ensure linearity for correct installation.

CEILING INSTALLATION

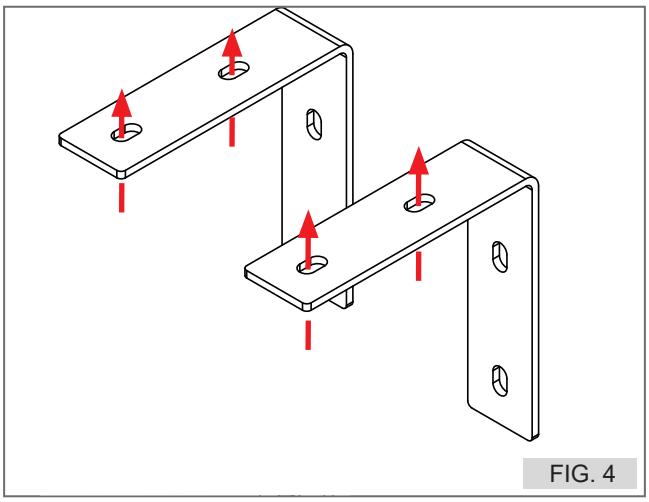


FIG. 4

3.3 Foot installation

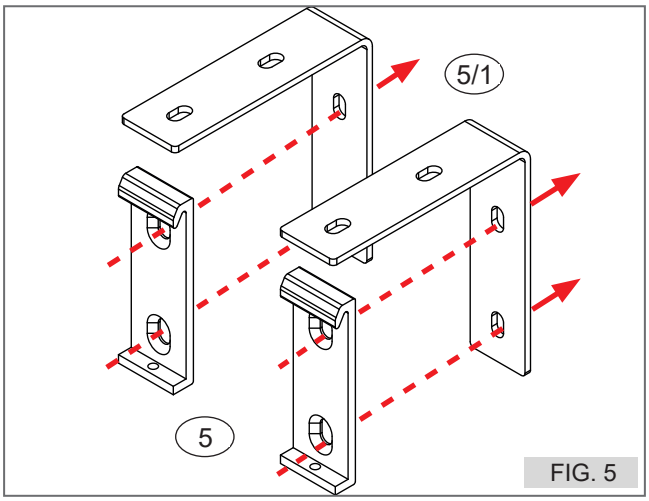


FIG. 5

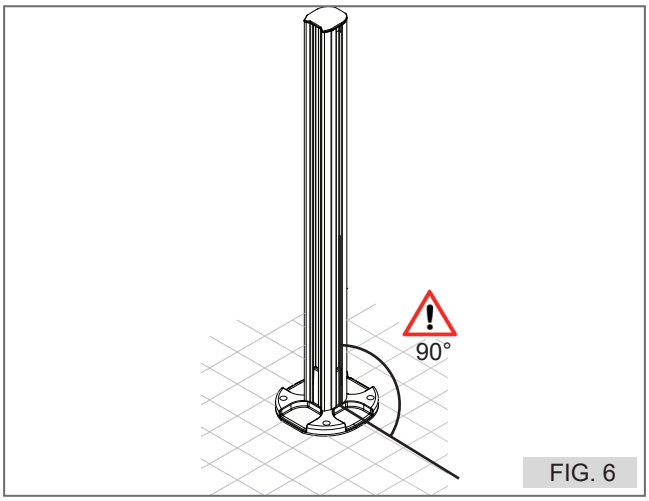


FIG. 6

3.4 Awning installation

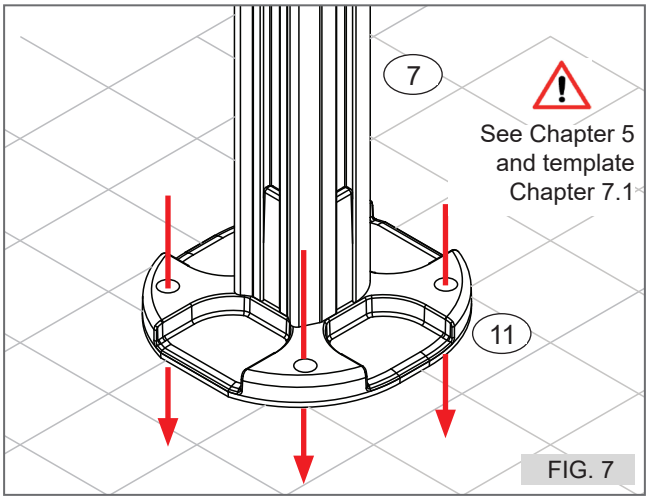


FIG. 7

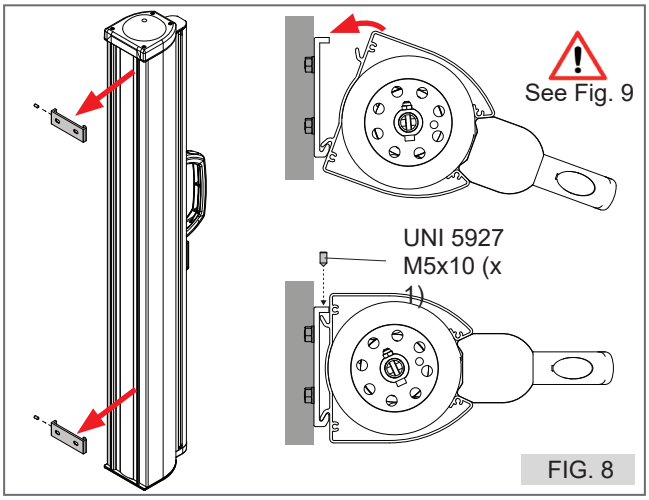


FIG. 8

3.5 Spring tensioning

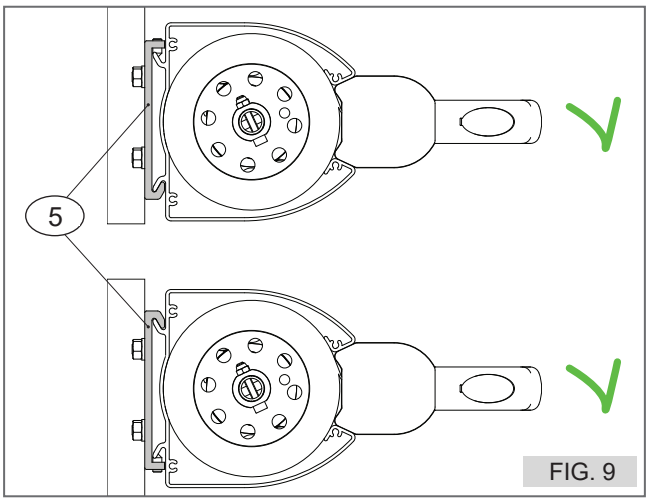


FIG. 9

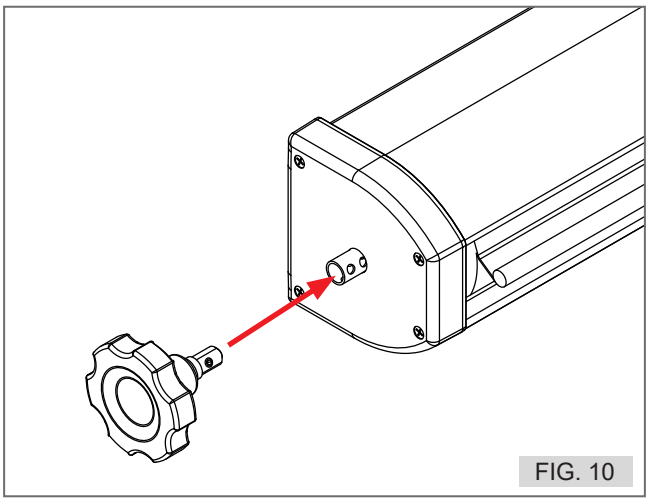


FIG. 10

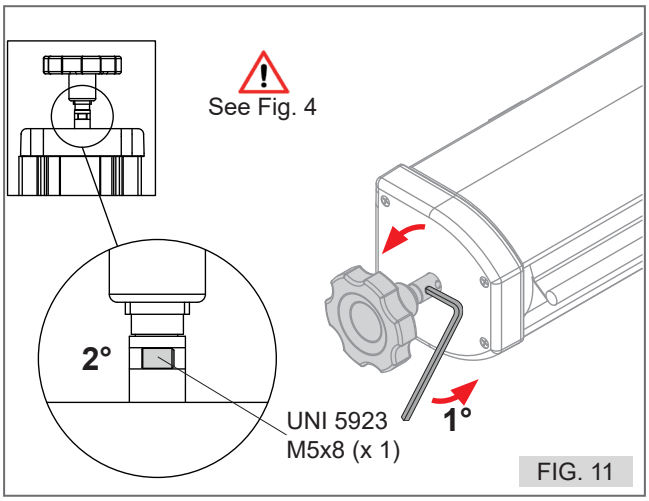


FIG. 11

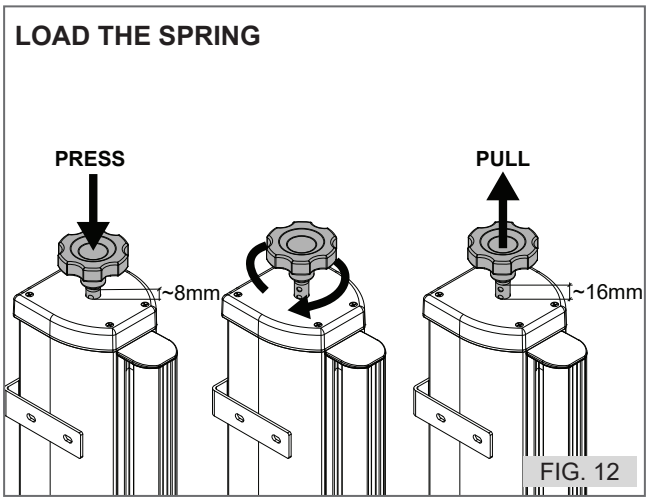


FIG. 12

3.6 Completion of installation

FRONT HANDLE

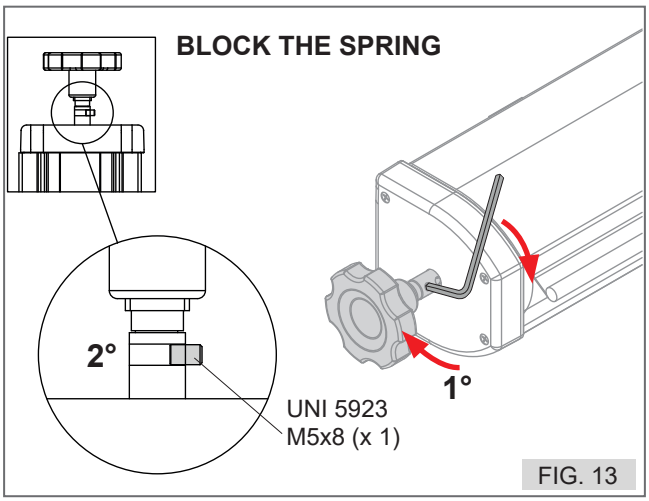


FIG. 13

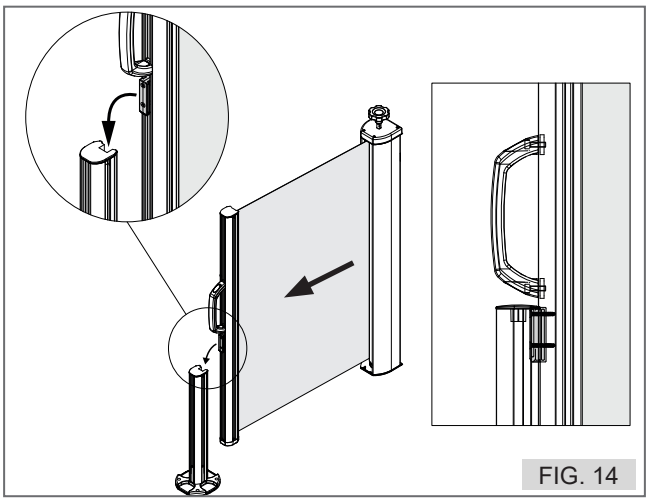


FIG. 14

SIDE HANDLE

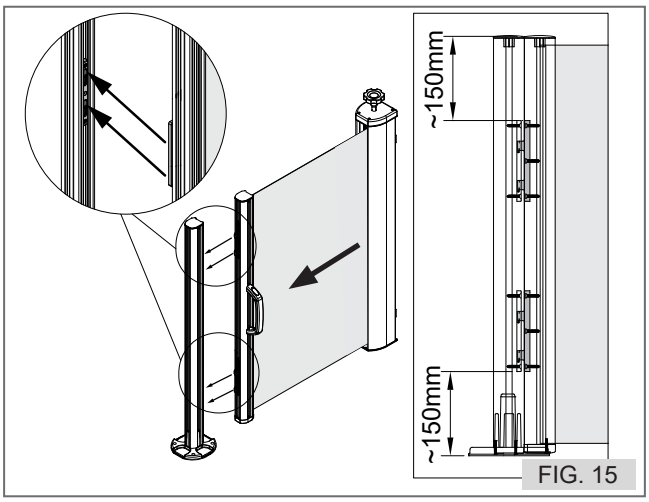


FIG. 15

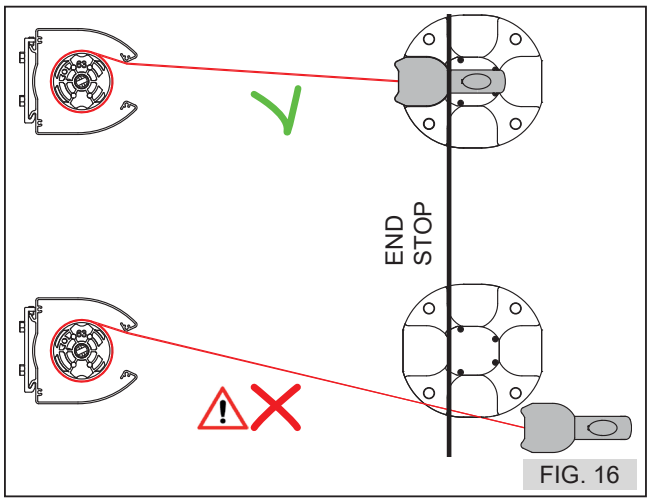


FIG. 16

4. EXTRAORDINARY MAINTENANCE

4.1 Troubleshooting Table

MANUAL AWNING

PROBLEM	CAUSES	SOLUTIONS
Fabric does not roll up evenly (forms cone)	Fabric not of even thickness	Roll up the fabric completely
Fabric unrolling beyond the end stop, accidental release of the terminal with the fabric getting stuck	Pulling the fabric beyond the position of the column leading to blocking of the SECURSTOP	Manually rotate the roller tube until the SECURSTOP releases **⚠ CAUTION** **Hook the terminal onto the column during this operation.**

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