

Formex Medical Ceiling Arm

Ophangsysteem voor bevestiging van apparatuur aan het plafond

CEILING PENDANTS

with

COMPACT SPRING BALANCED ARMS (FMSPR10)

(Technical parameters)



**SPR 10- 1
(SINGLE)**



**SPR 10- 2
(DUO)**



**SPR 10- 3
(TRIO)**

CEILING PENDANTS with COMPACT SPRING BALANCED ARMS (medical device of Class I) (hereinafter called as FMSPR10) are designated for carrying the medical devices (operating lights, cameras, monitors or X-Ray safety screens) containing the electrical installation. They are intended for the medical facilities equipment to be used in the ways and configurations specified by the respectively trained health service employees. The user must adhere to the safety code for using the electric devices, as well as the conditions stated in the Installation and User's Guides provided by the supplier.

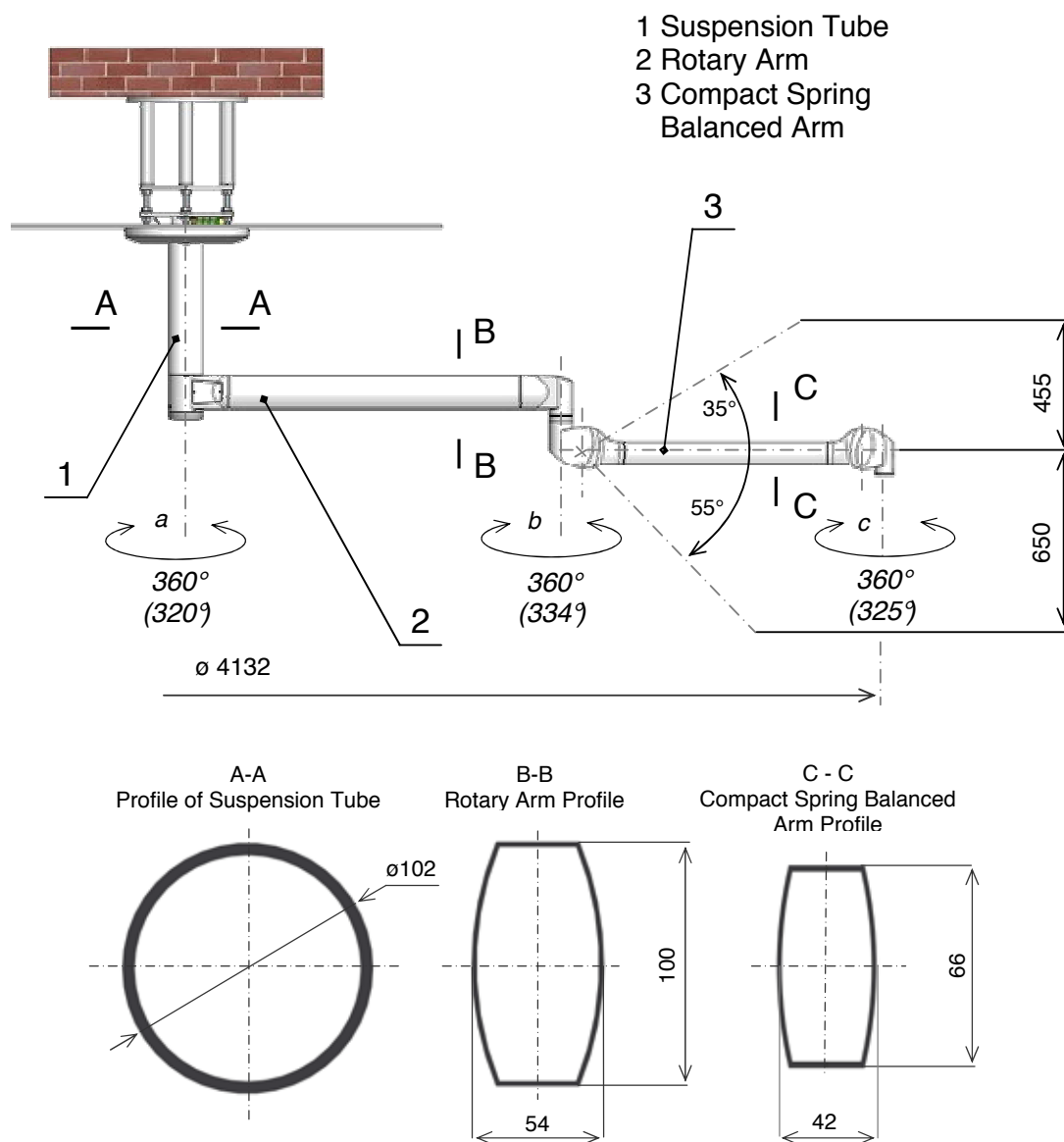
FMSPR10 are manufactured in three versions (Single, Duo, Trio).

Both rotary and spring balanced arms are made from aluminium extruded profiles.

Each pendant version consists of one (two, three) rotary arm connected with the swing compact spring balanced arm. The spring arm mechanism allows adjustment of the arm's loading capacity 4 - 26 kg.

Rotary joints are equipped with the slip rings allowing the rotation of the arms for 360°. From these poles 3 ones are always designated for transmission of electricity, the remaining ones are for data transmission.

When the uninterrupted (optic) cables are used, or the unlimited rotation is not needed, the rotary angle is limited by stops.



The pendant can be equipped with compact spring balanced swing arm without stabilazer, too. This version of compact arm differs from the one with stabilazer by the straight connection end.

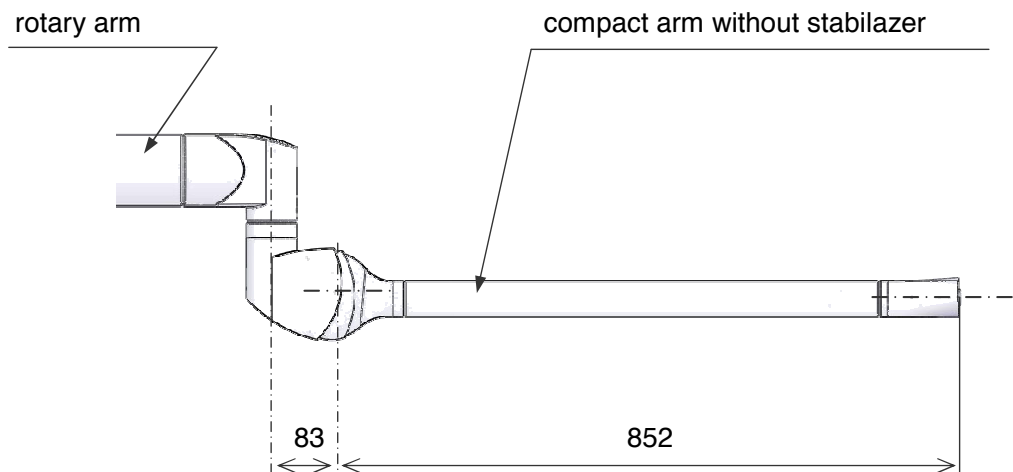
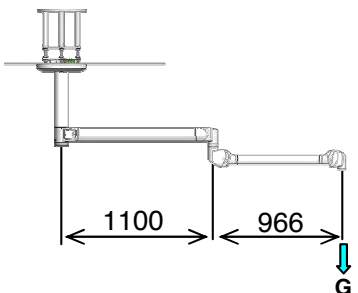
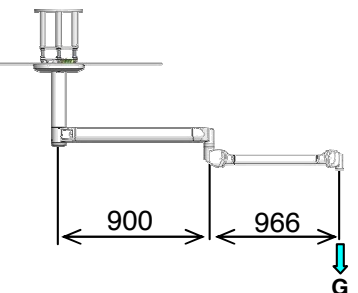
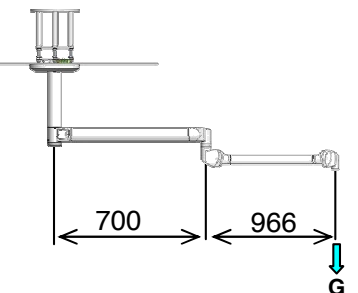
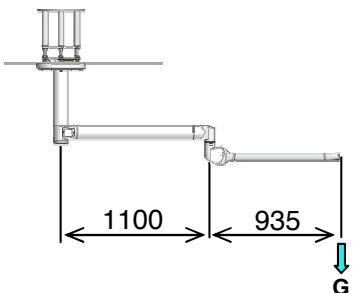
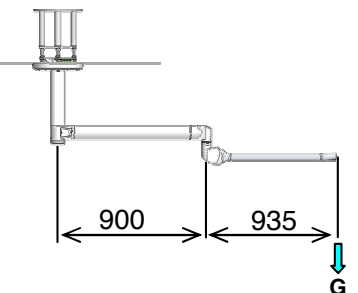
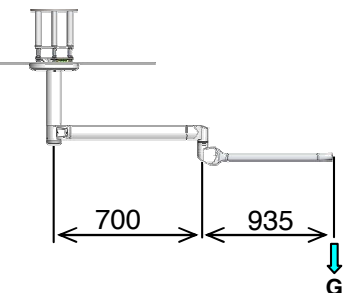


Table 1) Maximum load capacity of spring arms

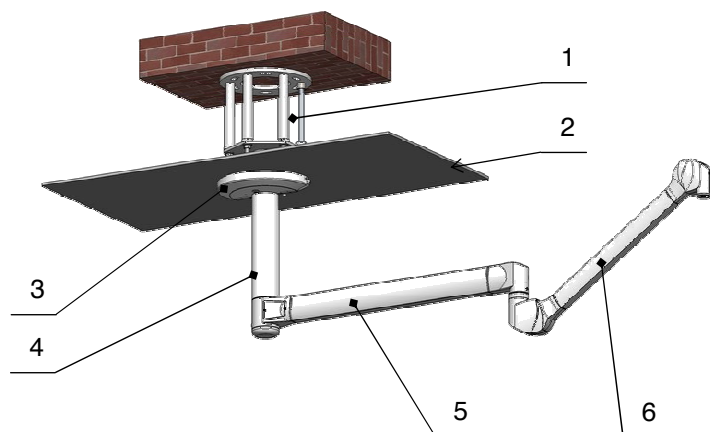
Spring Arm with Stabilazer			
Spring Arm without Stabilazer			
Spring Arm Load Capacity Range	4 - 20 kg	6 - 26 kg	6 - 26 kg

FMSPR10 – 1 (SINGLE)

PARAMETERS

Loading Capacity	See Table 1
Weight (without Spacer)	30 kg
Spring Arm	+ 35°, - 55°
Height adjustment	360°
Rotating in horizontal plane	(320, 334, 325*)

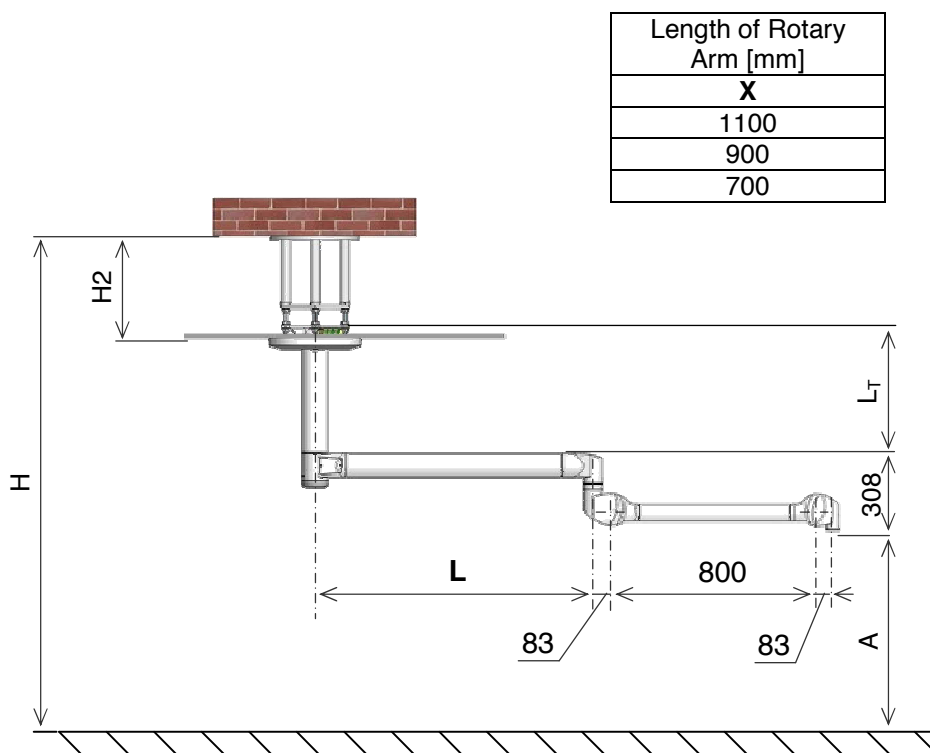
**in case the uninterrupted (optic) cables are used the rotary angle of rotary arms is limited by stops*



- 1 Spacer
- 2 Lower Ceiling
- 3 Ceiling Cover
- 4 Suspension Tube
- 5 Rotary Arm
- 6 Spring Arm

Ceiling Loading	N	Nm
SINGLE	300*	320
*for Tube length $L_T = 500$ mm		
Spacer $H_2 = 390$ mm	250	-
Max. Loading Capacity	260	550
TOTAL	810	870

Example - Ceiling Loading is defined for standard Tube length (500 mm) a Spacer length 390 mm

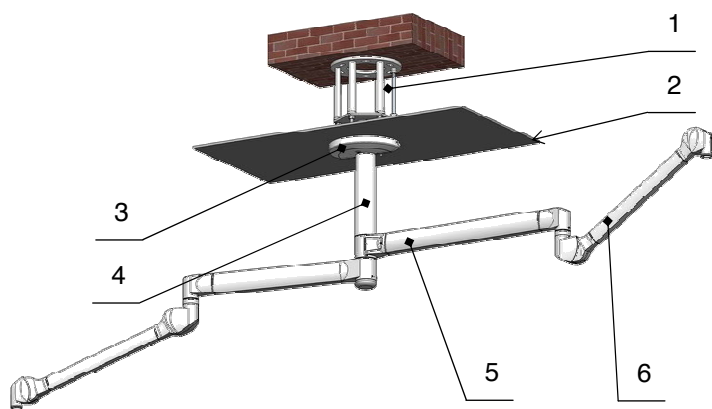


FMSPR10 – 2 (DUO)

PARAMETERS

Loading Capacity	See Table 1
Weight (without Spacer)	42 kg
Spring Arm	+ 35°, - 55°
Height adjustment	360°
Rotating in horizontal plane	(320, 334, 325*)

**in case the uninterrupted (optic) cables are used the rotary angle of rotary arms is limited by stops*

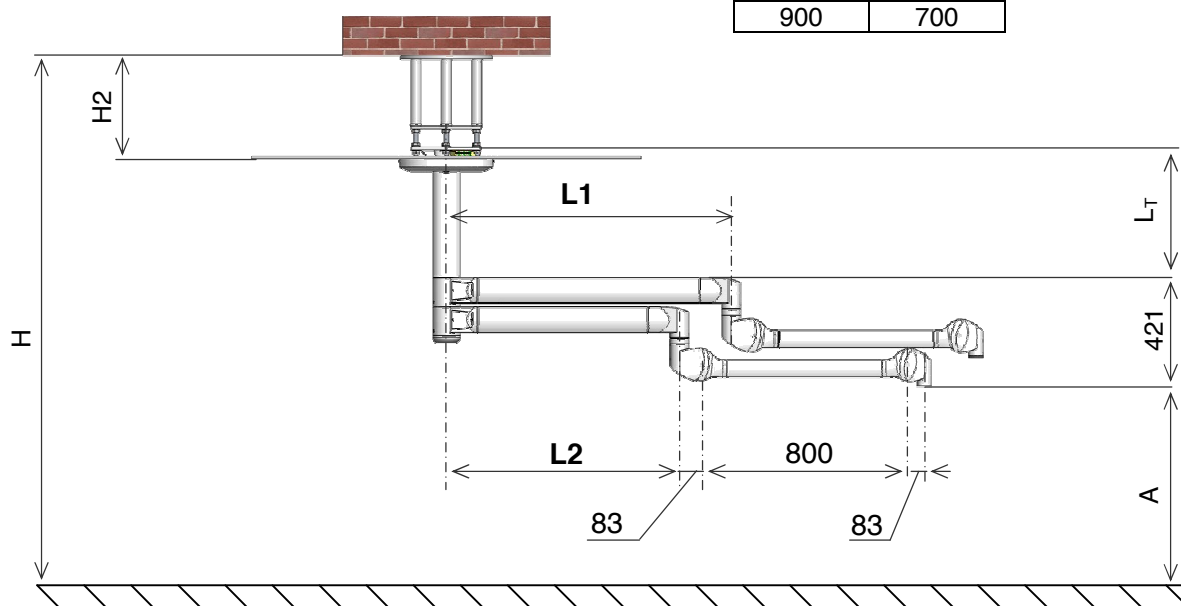


- 1 Spacer
- 2 Lower Ceiling
- 3 Ceiling Cover
- 4 Suspension Tube
- 5 Rotary Arm
- 6 Spring Arm

Ceiling Loading	N	Nm
DUO	420*	535
*for Tube length $L_T = 500$ mm		
Spacer $H_2 = 390$ mm	250	-
Max. Loading Capacity	520	1035
TOTAL	1190	1570

Example - Ceiling Loading is defined for standard Tube length (500 mm) a Spacer length 390 mm

Length of Rotary Arms [mm]	
L1	L2
1100	900
1100	700
900	700

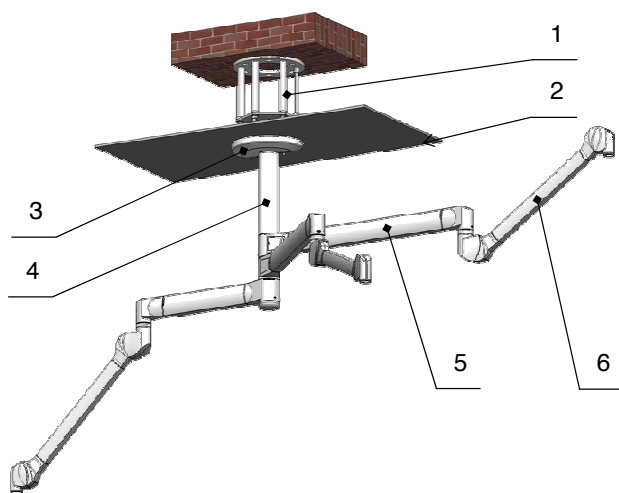


FMSPR 10 – 3 (TRIO)

PARAMETERS

Loading Capacity	See Table 1
Weight (without Spacer)	55 kg
Spring Arm	+ 35°, - 55°
Height adjustment	360°
Rotating in horizontal plane	(320, 334, 325°)

**in case the uninterrupted (optic) cables are used the rotary angle of rotary arms is limited by stops*

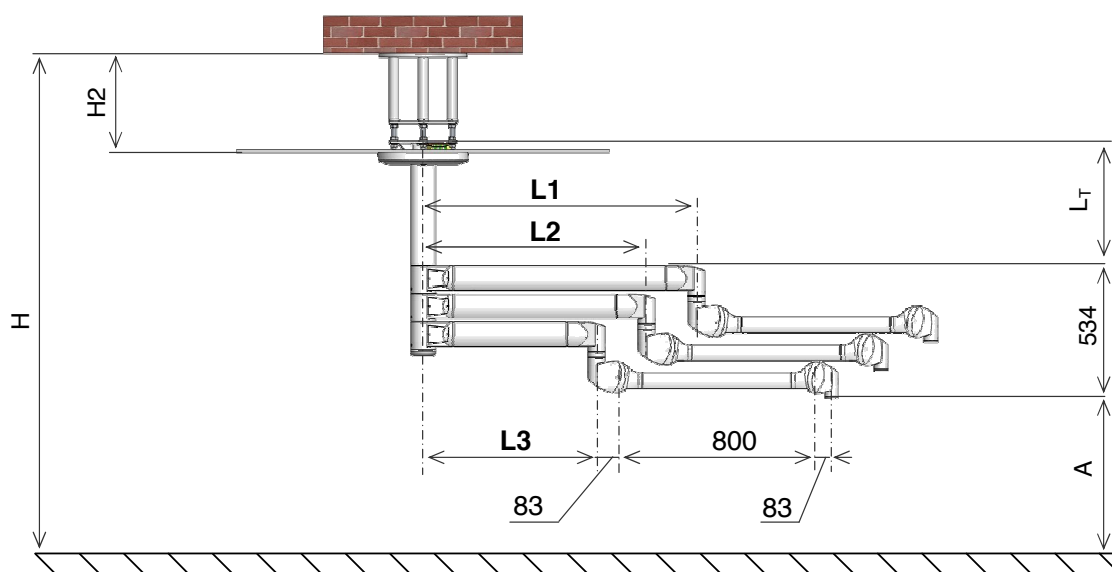


- 1 Spacer
- 2 Lower Ceiling
- 3 Ceiling Cover
- 4 Suspension Tube
- 5 Rotary Arm
- 6 Spring Arm

Ceiling Loading:	N	Nm
TRIO	550*	655
*for Tube length $L_T = 500$ mm		
Spacer H2 = 390 mm	250	-
Loading Capacity	780	1480
TOTAL	1580	2135

Example - Ceiling Loading is defined for standard Tube length (500 mm) a Spacer length 390 mm

Length of Rotary Arms [mm]		
X	Y	Z
1100	900	700





Optie: Monitor + keyboard tray



Optie: Dual monitor + keyboard tray