

The innovative design of the pantograph allows lights to be placed closer to the ceiling than ever before. A complete new range of top and bottom attachments have been designed to reduce at minumum the closed length. Entirely produced in Aluminum (P-Al MgSi UNI3569) and according to DIN 15560-46 it is available in two different extension: 2m (79") and 3.8m (150") long. The load is supported by a steel cable of 2mm diameter (safety factor 12). Loads up to 12kg (26.4lbs) can be supported by the patented friction device, while loads up to 18kg (39.7lbs) require the use of optional springs.

By turning the coulored notched ring you can adjust the pantograph friction; this will ensure that the load remains stable when set in position, but that it will move smoothly up and down when necessary. In any case, it is always advisable to use the springs to aid raising your pantograph.

One important feature of this pantograph is the possibility to customize it in order to meet your needs. You just need to choose between the two different extension (2m - 79" or 3.8m - 150"), then decide the proper top and bottom attachment and, if necessary, add one or two counterbalance spring depending of the foreseen load.

PRODUCT CODE

HOW TO BUILD THE PRODUCT CODE:

- 1° Choose the pantograph lenght and write the Ref code in Field 1
- 2° Choose the SPRING type and put the Ref code in Field 2
- 3° Choose the TOP ATTACHMENT and put the Ref code in Field 3
- 4° Choose the BOTTOM ATTACHMENT and put the Ref code in Field 4

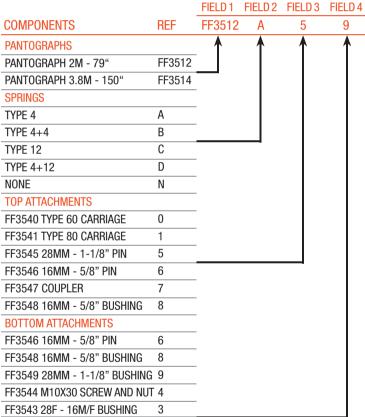
For your convenience we already build the codes for the most common version.

Pantograph with top 16mm-5/8" bushing and bottom 16 mm-5/8" pin

CODE	DESCRIPTION
FF3512N86	Pantograph Top 2C
FF3514N86	Pantograph Top 4C

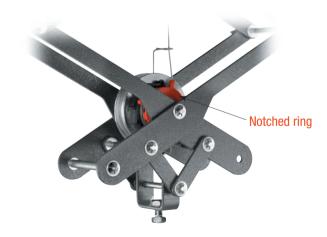
Pantograph with top 28mm-1-1/8" pin and bottom 28mm-1-1/8" bushing

rantograph with top 2011111-1-1/0 pin and bottom 2011111-1-1/0 bushing		
CODE	DESCRIPTION	
FF3512N59	PANTOGRAPH TOP 2C	
FF3512A59	PANTOGRAPH TOP 2C W/Type 4 Spring	
FF3512B59	PANTOGRAPH TOP 2C W/2 Type 4 Springs	
FF3512C59	PANTOGRAPH TOP 2C W/Type 12 Spring	
FF3512D59	PANTOGRAPH TOP 2C W/Type 4&12 Springs	
FF3514N59	PANTOGRAPH TOP 4C	
FF3514A59	PANTOGRAPH TOP 4C W/Type 4 Spring	
FF3514B59	PANTOGRAPH TOP 4C W/2 Type 4 Springs	
FF3514C59	PANTOGRAPH TOP 4C W/Type 12 Spring	
FF3514D59	PANTOGRAPH TOP 4C W/Type 4&12 Springs	



When choosing the additional spring(s) for your pantograph, you will first need to know exactly which model of pantograph you have, in order that you can select the spring of the correct length. If you have one of the new compact pantographs (with grey-painted "scissors"), look at the colour of notched ring the 2m (79") version has a red notched ring, while the 3.8m (150") version has a blue notched ring. After having identified the length of the pantograph, choose the appropriate spring(s) by referring to the table below.

Note: these new springs are not compatible with the old pantographs (black painted scissors)



ADDITIONAL SPRINGS

CODE	SPRING TYPE	COLOR	PANTOGRAPH
FF3531	Type 4	Red	Top 2C
FF3532	Type 12	Red	Top 2C
FF3533	Type 4	Blue	Top 4C
FF3534	Type 12	Blue	Top 4C



SPRING TYPE	COUNTER BALANCED WEIGHT
Without spring	From 0 to 4kg (8.8lbs)
Type 4	From 3kg (6.6lbs) to 8kg (17.6lbs)
Type 4 + Type 4	From 8kg (17.6lbs) to 14kg (30.8lbs)
Type 12	From 9kg (19.8lbs) to 16kg (35.3lbs)
Type 4 + Type 12	From 13kg (28.6lbs) to 18kg 39.7lbs)

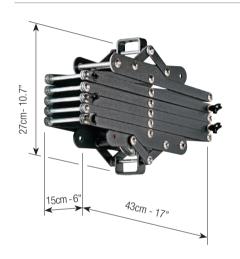


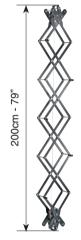
TOP ATTACHMENTS



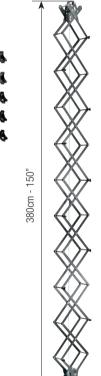
PANTOGRAPHS

CODE: FF3512 CODE: FF3514









TECHNICAL SPECIFICATIONS

Lifting rope	2mm wire rope
Safety factor rope	12
Self weight	4.6kg - 10.1lbs
Max working load	18kg -39.7lbs
Closed length	27cm - 10.7"
Max extension	200cm - 79"

TECHNICAL SPECIFICATIONS

Lifting rope	2mm wire rope
Safety factor rope	12
Self weight	7.2kg - 15.8lbs
Max working load	18kg -39.7lbs
Closed length	37cm - 14.6"
Max extension	380cm - 150"

BOTTOM ATTACHMENTS

