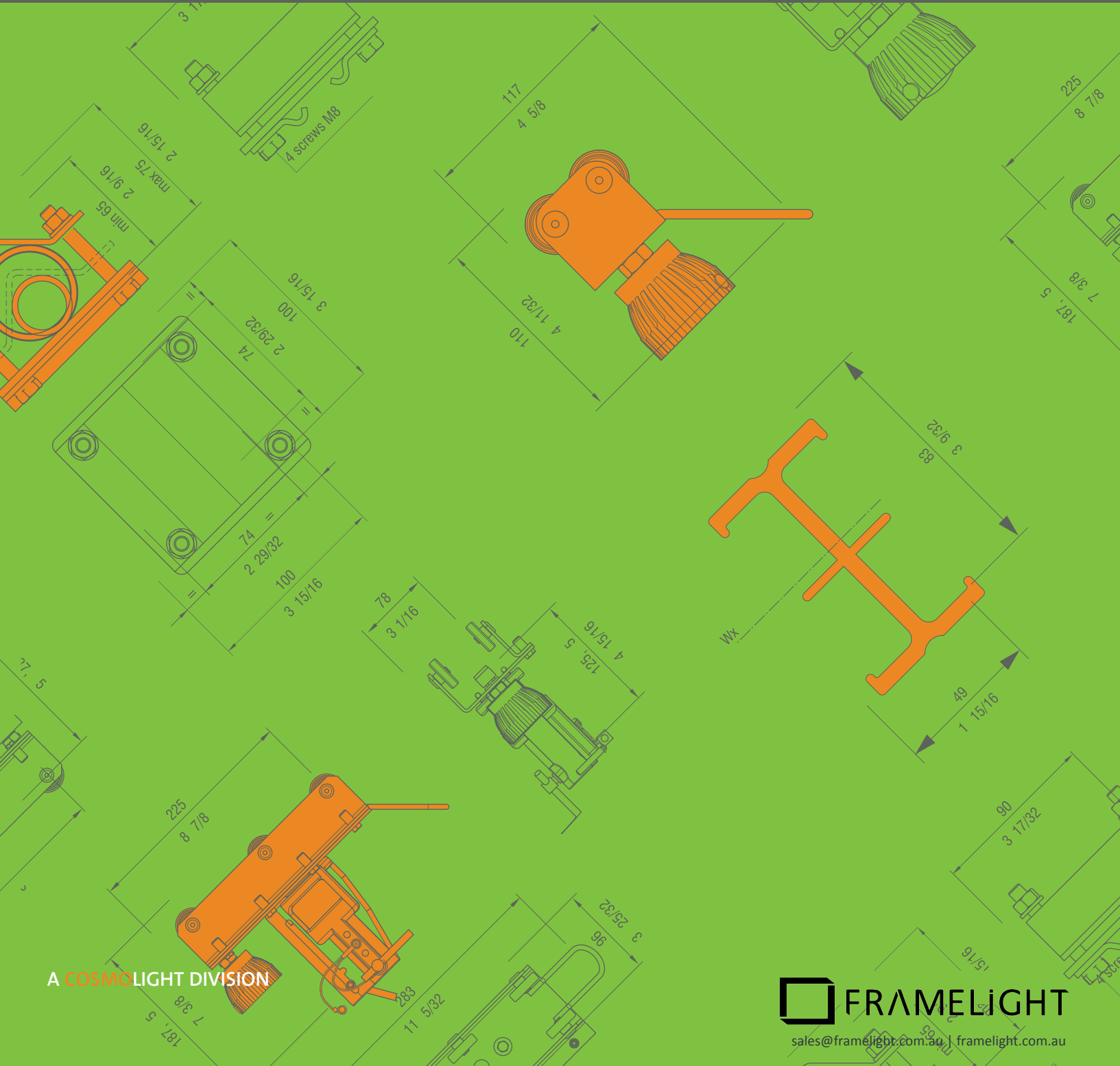


top rail system





top rail system

IFF Advanced Rigging is a leading manufacturer of motorized and manual overhead lighting suspension systems for television studios, theatres and architectural applications. This catalogue is the result of IFF's years of experience and presents an extremely wide range of purpose-designed accessories for the assembly and installation of rail systems, and overhead lighting suspensions.

The catalogue, which contains over 150 products, is designed both to offer all technical information necessary for the correct use of our accessories, and to guide architects, engineers and designers in towards the most suitable choice of system and product during project design stages.






Each product sheet contains a 3D drawing, a technical drawing giving the main dimensions, several examples of applications and a series of technical data such as weight, capacity, volume, etc..

The wide range of accessories offers many solutions for all types of installations, and our technical department is always at your disposal to help you in the design and execution of custom solutions if required.

The various accessories have been divided into 12 different sections, each preceded by fast product index. A catalogue-wide general index (in product code order) is present at the end of the catalogue, whereas a summary of the products (in page order) is given at the beginning of the Catalogue.

At the beginning of the catalogue you will also find several examples of Television studios fitted with our products.

IN ORDER TO HELP YOU TO CHOOSE THE ARTICLES, EVERY ITEM IS MARKED WITH A SYMBOL:







-  Type 60 for light and medium applications (see page 1.50)
-  Type 80 for heavy duty applications. Interchangeable with IPE 80 steel beam (see page 1.70)
-  Type 50 for Cyclorama application (see page 1.30)
-  Suitable for application on IPE Steel Beam, the number inside the frame identify the dimension. For more details contact our Technical Office
-  Suitable for the use with the pipe system

Obviously an item marked with more than one symbol is suitable for more systems.

ATTENTION: All the accessories marked with the symbol TYPE 80 can be used also with IPE 80 beam 80













































































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Rail Junction	page 2.10
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Single Carriages	page 5.10
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IFF declines any responsibility for improper use of the articles contained in this catalogue. The accessories must be installed and used by technically qualified personnel.











-  weight: it is the net weight of the item without packing
-  weight: it is the gross weight of the item including the packing
-  max load: it is the maximum static load applicable on the item on a perfect vertical position
-  volume: it is the volume of the item packed; for shipping purposes
-  material: it is the material of the main body of the item
-  finish: it is the finish of the main body of the item


PRODUCT	CODE	DESCRIPTION	APPLICATION	DATAS	PAGE
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RAILS

	FF5003	Rail 50 length 3000mm - 118 1/8"	 5,40kg/11,90lb	 0,0078m/0,276ft	 5,40kg/11,90lb	1.30
	FF5004	Rail 50 length 4000mm - 157 15/32"	 7,20kg/15,87lb	 0,01m/0,353ft	 7,20kg/15,87lb	1.30
	FF5005	Rail 50 length 5000mm - 196 27/32"	 9,00kg/19,84lb	 0,013m/0,459ft	 9,00kg/19,84lb	1.30
	FF6003	Rail 60 length 3000mm - 118 1/8"	 4,20kg/9,26lb	 0,0063m/0,222ft	 4,20kg/9,26lb	1.50
	FF6004	Rail 60 length 4000mm - 157 15/32"	 5,60kg/12,35lb	 0,0084m/0,296ft	 5,60kg/12,35lb	1.50
	FF6005	Rail 60 length 5000mm - 196 27/32"	 7,00kg/15,43lb	 0,01m/0,353ft	 7,00kg/15,43lb	1.50
	FF8003	Rail 80 length 3000mm - 118 1/8"	 7,50kg/16,53lb	 0,012m/0,039ft	 7,50kg/16,53lb	1.70
	FF8004	Rail 80 length 4000mm - 157 15/32"	 10,00kg/22,05lb	 0,016m/0,052ft	 10,00kg/22,05lb	1.70
	FF8005	Rail 80 length 5000mm - 196 27/32"	 12,50kg/27,56lb	 0,02m/0,066ft	 12,50kg/27,56lb	1.70
	FF50R135	Rail 50 curved 90° radius 1350mm - 53 5/32"	 3,82kg/8,4lb	 0,04m/1,41ft	 3,82kg/8,4lb	1.90
	FF50R150	Rail 50 curved 90° radius 1500mm - 59 1/16"	 4,25kg/9,36lb	 0,05m/1,77ft	 4,25kg/9,36lb	1.90
	FF50R165	Rail 50 curved 90° radius 1650mm - 64 31/32"	 4,67kg/10,3lb	 0,06m/2,12ft	 4,67kg/10,3lb	1.90
	FF50R180	Rail 50 curved 90° radius 1800mm - 70 7/8"	 5,10kg/11,23lb	 0,071m/2,5ft	 5,10kg/11,23lb	1.90
	FF50R195	Rail 50 curved 90° radius 1950mm - 76 25/32"	 5,52kg/12,16lb	 0,083m/2,93ft	 5,52kg/12,16lb	1.90
	FF50R210	Rail 50 curved 90° radius 2100mm - 82 11/16"	 5,94kg/13,105lb	 0,097m/3,42ft	 5,94kg/13,105lb	1.90
	FF50R225	Rail 50 curved 90° radius 2250mm - 88 19/32"	 6,37kg/14,041lb	 0,111m/3,91ft	 6,37kg/14,041lb	1.90
	FF50R240	Rail 50 curved 90° radius 2400mm - 94 1/2"	 6,79kg/14,97lb	 0,126m/4,496ft	 6,79kg/14,97lb	1.90
	FF50R255	Rail 50 curved 90° radius 2550mm - 100 13/32"	 7,22kg/15,91lb	 0,146m/5,156ft	 7,22kg/15,91lb	1.90
	FF50R270	Rail 50 curved 90° radius 2700mm - 106 5/16"	 7,64kg/16,84lb	 0,16m/5,65ft	 7,64kg/16,84lb	1.90
	FF50R285	Rail 50 curved 90° radius 2850mm - 112 3/16"	 8,07kg/17,78lb	 0,18m/6,356ft	 8,07kg/17,78lb	1.90
	FF50R300	Rail 50 curved 90° radius 3000mm - 118 1/8"	 8,49kg/18,72lb	 0,197m/6,956ft	 8,49kg/18,72lb	1.90
	FF60R105	Rail 60 curved 90° radius 1050mm - 41 11/32"	 2,24kg/5lb	 0,027m/0,953ft	 2,24kg/5lb	1.110
	FF60R120	Rail 60 curved 90° radius 1200mm - 47 1/4"	 2,56kg/5,7lb	 0,036m/1,271ft	 2,56kg/5,7lb	1.110
	FF60R135	Rail 60 curved 90° radius 1350mm - 53 5/32"	 2,88kg/6,4lb	 0,046m/1,624ft	 2,88kg/6,4lb	1.110
	FF60R150	Rail 60 curved 90° radius 1500mm - 59 1/16"	 3,2kg/7lb	 0,057m/2,01ft	 3,2kg/7lb	1.110
	FF60R165	Rail 60 curved 90° radius 1650mm - 64 31/32"	 5,52kg/7,8lb	 0,069m/2,43ft	 5,52kg/7,8lb	1.110
	FF60R180	Rail 60 curved 90° radius 1800mm - 70 7/8"	 3,85kg/8,5lb	 0,08m/2,82ft	 3,85kg/8,5lb	1.110

RAIL JUNCTIONS

	FF3208	Alignment connector for fixed rails junctions	 0,084kg/0,185lb	 0,0004m/0,0141ft	 0,90kg/0,198lb	2.30
	FF3670	Alignment connector for fixed rails junctions	 0,294kg/0,648lb	 0,0004m/0,0141ft	 0,300kg/0,661lb	2.40
	FF3673	Alignment connector for fixed rails junctions	 0,264kg/0,582lb	 0,0007m/0,0247ft	 0,275kg/0,606lb	2.50
	FF3673C	Alignment connector for fixed rails junctions	 0,254kg/0,560lb	 0,0007m/0,0247ft	 0,265kg/0,584lb	2.60

Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch.  IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

PRODUCT	CODE	DESCRIPTION	APPLICATION	DATAS	PAGE
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END STOP

	FF3661	End stop (kit of 4)		0,052kg/0,115lb 0,0004m/0,0141ft 0,052kg/0,115lb	3.30
	FF3660	End stop		0,118kg/0,260lb 0,0008m/0,0283ft 0,125kg/0,275lb	3.40
	FF3664	End stop with 4 cable ties		0,290kg/0,639lb 0,0008m/0,0283ft 0,290kg/0,639lb	3.50
	FF3665	End stop with flat cable holder		0,400kg/0,882lb 0,0008m/0,0283ft 0,405kg/0,892lb	3.60



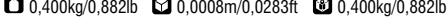
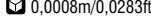
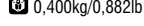


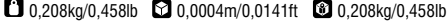
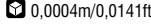
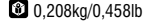

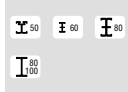
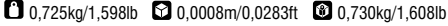
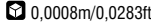


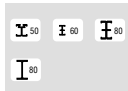

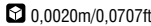


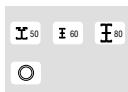










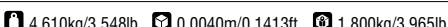
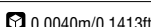
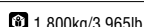

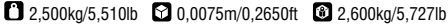
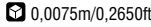






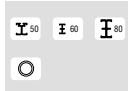

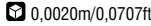


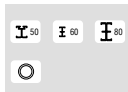





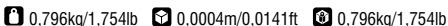




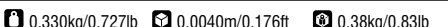
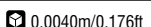
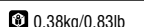

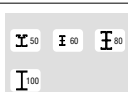
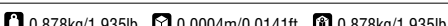
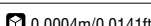
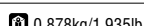


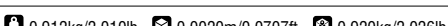
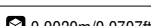
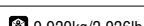


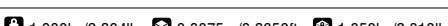
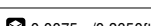
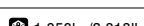
BRACKETS



	FF3601	Rail clamps		0,248kg/0,547lb 0,0004m/0,0141ft 0,248kg/0,547lb	4.30
	FF3605	Pipe clamp		0,360kg/0,794lb 0,0008m/0,0283ft 0,360kg/0,794lb	4.40
	FF3213V	Wall bracket for 1 rail		0,760kg/1,676lb 0,0050m/0,1767ft 0,800kg/1,762lb	4.50
	FF3618	Wall bracket for 2 rails		2,181kg/4,807lb 0,008m/0,283ft 1,350kg/2,974lb	4.60
	FF3209V	Wall bracket for 3 rails		2,181kg/4,808lb 0,0015m/0,530ft 2,20kg/4,85lb	4.70
	FF3628	Base plate		0,300kg/0,661lb 0,0008m/0,0283ft 0,300kg/0,661lb	4.80
	FF3627	Spacer for 2 rails		0,954kg/2,103lb 0,0003m/0,0106ft 0,950kg/2,093lb	4.90
	FF3626	Spacer bracket for up to 3 rails		1,550kg/3,416lb 0,0004m/0,0141ft 1,550kg/3,416lb	4.100
	FF3630	Ceiling bracket		0,330kg/0,727lb 0,0050m/0,176ft 0,330kg/0,727lb	4.110

Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch. **IMPORTANT:** installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

PRODUCT	CODE	DESCRIPTION	APPLICATION	DATAS	PAGE
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BRACKETS

	FF3214C	Ceiling bracket with eye hook		 0,400kg/0,882lb  0,0008m/0,0283ft  0,400kg/0,882lb	4.120
	FF3210	Ceiling bracket		 0,208kg/0,458lb  0,0004m/0,0141ft  0,208kg/0,458lb	4.130
	FF3672	Double bracket for rail crossing		 0,725kg/1,598lb  0,0008m/0,0283ft  0,730kg/1,608lb	4.140
	FF3674	Flat adapter bracket for IFF rail system to "I"beams		 2,070kg/4,562lb  0,0020m/0,0707ft  2,090kg/4,609lb	4.150
	FF3614	Adapter bracket for "I" beam to IFF rail system		 1,108kg/2,442lb  0,0020m/0,0707ft  1,450kg/3,194lb	4.160
	FF3614R	Adapter bracket for "I" beam to IFF rail system		 NA  0,0000m/0,0000ft  000kg/000lb	4.170
	FF3620	Extension bracket 35cm length		 4,610kg/3,548lb  0,0040m/0,1413ft  1,800kg/3,965lb	4.180
	FF3624	Extension bracket 65cm length		 2,500kg/5,510lb  0,0075m/0,2650ft  2,600kg/5,727lb	4.180
	FF3625	Extension bracket. Length on request		 NA  NA  NA	4.180
	FF3616	Extension bracket for variable heights		 1,306kg/2,878lb  0,0020m/0,0707ft  1,350kg/2,974lb	4.190
	FF3612	Ajustable bracket		 1,110kg/2,446lb  0,0020m/0,0707ft  1,500kg/3,304lb	4.200
	FF3632	Threaded rod (M12) 1m long		 0,796kg/1,754lb  0,0004m/0,0141ft  0,796kg/1,754lb	4.210
	FF3631	Rail bracket for threaded rods (M12)		 0,330kg/0,727lb  0,0040m/0,176ft  0,38kg/0,83lb	4.220
	FF3602	Clamp for pipe to rail connection		 0,878kg/1,935lb  0,0004m/0,0141ft  0,878kg/1,935lb	4.230
	FF3714	Bracket with clamps for pipes crossing		 0,912kg/2,010lb  0,0020m/0,0707ft  0,920kg/2,026lb	4.240
	FF3606	Ceiling bracket for pipes		 1,000kg/2,204lb  0,0075m/0,2650ft  1,050kg/2,313lb	4.250

Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch.  
IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

PRODUCT	CODE	DESCRIPTION	APPLICATION	DATAS	PAGE
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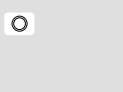




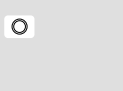




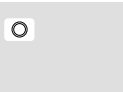














SINGLE CARRIAGES

	FF3540	Detachable carriage with brake		1,400kg/3,086lb 0,0070m/0,2473ft 1,48kg/3,26lb	5.30
	FF3541	Detachable carriage with brake		1,90kg/4,19lb 0,0030m/0,1060ft 2,03kg/4,47lb	5.40
	FF3229	Carriage with brake and 5/8" spigot		0,282kg/0,622lb 0,0070m/0,2473ft 0,362kg/0,798lb	5.50
	FF3231D	Heavy-duty carriage with brake and universal head		0,910kg/2,006lb 0,0030m/0,1060ft 1,040kg/2,291lb	5.60
	FF3708D	Carriage with twist lock and universal head		1,506kg/3,319lb 0,0060m/0,2120ft 1,640kg/3,612lb	5.70
	FF3707	Detachable carriage with twist lock and universal head		1,868kg/4,117lb 0,0060m/0,2120ft 1,970kg/4,339lb	5.80
	FF3707S	Detachable carriage with twist lock and universal head		1,940kg/4,276lb 0,006m/0,2120ft 2,042kg/4,2lb	5.90
	FF3707S120	Detachable carriage with twist lock and universal head		2,000kg/4,408lb 0,006m/0,2120ft 2,102kg/4,63lb	5.100
	FF3708	Carriage with twist lock and 1 1/8" female attachment		1,324kg/2,918lb 0,0060m/0,2120ft 1,465kg/3,227lb	5.110
	FF3705	Carriage with twist lock and 1-1/8" female attachment		1,100kg/2,424lb 0,003m/0,1060ft 1,3kg/2,86lb	5.120
	FF3710	Detachable carriage with twist lock and 1-1/8" female attachment		1,684kg/3,712lb 0,0060m/0,2120ft 1,795kg/3,954lb	5.130
	FF3710S	Detachable carriage with twist lock and 1-1/8" female attachment		1,750kg/3,857lb 0,006m/0,211ft 1,861kg/4,1b	5.140
	FF3710S120	Detachable carriage with twist lock and 1-1/8" female attachment		1,810kg/3,989lb 0,006m/0,211ft 1,912kg/4,215lb	5.150
	FF3719	Carriage with twist lock and 1-1/8 female attachment for receptacle		1,90kg/4,10lb 0,007m/0,247ft 2,1kg/4,6lb	5.160

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PRODUCT	CODE	DESCRIPTION	APPLICATION	DATAS	PAGE
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SINGLE CARRIAGES


	FF3709	Detachable carriage with 1-1/8" female attachment		 1,990kg/4,386lb  0,0120m/0,4240ft  2,030kg/4,471lb	5.170
	FF3709D	Detachable carriage with universal head		 2,150kg/4,739lb  0,0120m/0,4240ft  2,205kg/4,857lb	5.180
	FF3709E	Detachable carriage with twist lock and 1-1/8" female attachment		 2,100kg/4,628lb  0,0120m/0,4240ft  2,300kg/5,066lb	5.190
	FF3732	Motorized carriage for type 80 rails and IPE 80		 3,150kg/9,944lb  0,009m/0,317ft  3,35kg/7,380lb	5.200
	FF3732S	Motorized carriage for IPE 100		 3,400kg/7,500lb  0,01m/0,353ft  3,6kg/7,930lb	5.200
	FF3732S120	Motorized carriage for IPE 120		 3,600kg/7,930lb  0,011m/0,388ft  3,8kg/8,377lb	5.200










DOUBLE CARRIAGES

	FF3235	Double carriage with brakes		 0,580kg/1,278lb  0,0007m/0,0247ft  0,640kg/1,410lb	6.40
	FF3700	Double carriage for rail 80		 1,900kg/4,188lb  0,0045m/0,1590ft  1,970kg/4,343lb	6.50
	FF3713	Double carriage for rail 80 to rail 60		 1,700kg/3,747lb  0,0045m/0,1590ft  1,770kg/3,902lb	6.60
	FF3706	Carriage for cross pipes		 1,590kg/3,504lb  0,0060m/0,2120ft  1,700kg/3,744lb	6.70
	FF3715	Pipe carriage for cross pipes		 3,032kg/6,683lb  0,0075m/0,2650ft  3,090kg/6,812lb	6.80







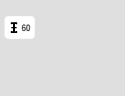




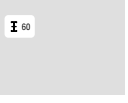




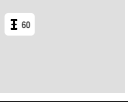




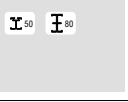




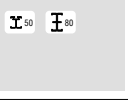




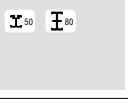




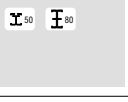




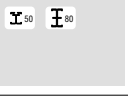




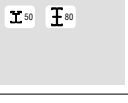








CABLE CARRIAGES


	FF3226C	Kit of 5 cable carriages with bearing		 0,316kg/0,696lb  0,0007m/0,0247ft  0,5kg/1,100lb	7.40
	FF3226V	Rail 60 cable carriage		 0,369kg/0,813lb  0,0015m/0,0530ft  0,369kg/0,813lb	7.50
	FF3716	Rail 80 cable carriage		 0,400kg/0,881lb  0,0020m/0,0707ft  0,400kg/0,881lb	7.60

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PRODUCT	CODE	DESCRIPTION	APPLICATION	DATAS	PAGE
	FF3717	Rail 80 heavy duty cable carriage		 0,356kg/0,785lb  0,0009m/0,032ft  0,365kg/0,804lb	7.70
	FF3226F	Wire rope cable carriage		 0,216kg/0,476lb  0,0005m/0,0177ft  0,216kg/0,476lb	7.80








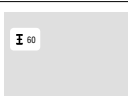

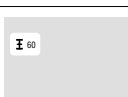
CYCLORAMA CARRIAGES AND SWITCHES

	FF3227C	Curtain carriages		 0,030kg/0,066lb  0,0007m/0,0247ft  0,030kg/0,066lb	8.40
	FF3227K	Curtain carriage for heavy curtains		 0,170kg/0,375lb  0,0015m/0,0530ft  0,174kg/0,384lb	8.50
	FF3229T	Heavy duty curtain carriage with cup for pulling curtain		 0,300kg/0,661lb  0,0015m/0,0530ft  0,330kg/0,727lb	8.60
	FF3229L	Curtain carriage with twist lock		 0,220kg/0,485lb  0,0008m/0,0283ft  0,260kg/0,573lb	8.70
	FF3720C	Curtain carriage		 0,128kg/0,282lb  0,0005m/0,017ft  0,168kg/0,370lb	8.80
	FF3723C	Curtain carriage		 0,242kg/0,533lb  0,0015m/0,0530ft  0,282kg/0,621lb	8.90
	FF3722C	Towing carriage		 0,322kg/0,710lb  0,0015m/0,053ft  0,360kg/0,794lb	8.100
	FF3724C	Towing carriage with brake		 0,314kg/0,692lb  0,0015m/0,0530ft  0,350kg/0,771lb	8.110
	FF3723	Carriage for panels and scenery		 1,170kg/2,579lb  0,005m/0,176ft  1,230kg/2,775lb	8.120
	FF3740Y040	Cyclorama tower		 NA  NA  NA	8.130
	FF3757	Switch 2/1 rail 50		 6kg/13,227lb  NA  NA	8.140

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PRODUCT	CODE	DESCRIPTION	APPLICATION	DATAS	PAGE
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CYCLORAMA CARRIAGES AND SWITCHES

	FF3756	Switch 3/2 rail 50		15kg/33,069lb NA NA	8.150
	FF3755	Switch 3/3 rail 50		25kg/55,115lb NA NA	8.160
	FF3767	Switch 2/1 rail 60		5kg/11,023lb NA NA	8.170
	FF3766	Switch 3/2 rail 60		13kg/28,660lb NA NA	8.180
	FF3765	Switch 3/3 rail 60		22kg/48,501lb NA NA	8.190

DROP ARMS

	FF3240	Extension tube length 50cm - 13,11inches		0,426kg/0,939lb 0,0300m/1,0594ft 0,502kg/1,106lb	9.30
	FF3242	Extension tube length 50cm - 13,11inches		0,784kg/1,728lb 0,0600m/2,1188ft 0,86kg/1,895lb	9.30
	FF3842	Telescopic drop-arm extension 43cm up to 65cm (17" to 25")		2,00kg/4,41lb 0,0040m/0,1412ft 2,70kg/5,95lb	9.40
	FF3841	Telescopic drop-arm extension 73cm up to 123cm (28" to 48")		3,10kg/6,83lb 0,0060m/0,2119ft 3,80kg/8,37lb	9.40
	FF3840	Telescopic drop-arm extension 113cm up to 200cm (44" to 78")		4,20kg/9,26lb 0,0080m/0,2825ft 5,00kg/11,02lb	9.40
	FF3844Y25	Telescopic drop-arm extension 138cm up to 250cm (48" to 102")		5,90kg/13,00lb 0,0100m/0,3531ft 6,6kg/14,55lb	9.40
	FF3844Y30	Telescopic drop-arm extension 163cm up to 300cm (68" to 122")		7,00kg/15,43lb 0,0120m/0,4238ft 7,70kg/16,87lb	9.40
	FF3844Y35	Telescopic drop-arm extension 188cm up to 350cm (78" to 148")		7,70kg/16,98lb 0,0150m/0,5297ft 8,4kg/18,51lb	9.40
	FF3844Y40	Telescopic drop-arm extension 213cm up to 400cm (88" to 162")		8,25kg/18,19lb 0,0160m/0,5650ft 8,89kg/19,57lb	9.40
	FF3842D	"D" Telescopic drop-arm extension 43cm up to 65cm (17" to 25")		2,19kg/4,82lb 0,0040m/0,1412ft 2,89kg/6,37lb	9.50
	FF3841D	"D" Telescopic drop-arm extension 73cm up to 123cm (28" to 48")		3,29kg/7,25lb 0,0060m/0,2119ft 3,99kg/8,79lb	9.50
	FF3840D	"D" Telescopic drop-arm extension 113cm up to 200cm (44" to 78")		4,39kg/9,68lb 0,0080m/0,2825ft 5,09kg/11,22lb	9.50
	FF3844YD25	"D" Telescopic drop-arm extension 138cm up to 250cm (48" to 102")		6,09kg/13,42lb 0,0100m/0,3531ft 6,79kg/14,97lb	9.50
	FF3844YD30	"D" Telescopic drop-arm extension 163cm up to 300cm (68" to 122")		7,19kg/15,85lb 0,0120m/0,4238ft 7,89kg/17,39lb	9.50
	FF3844YD35	"D" Telescopic drop-arm extension 188cm up to 350cm (78" to 148")		7,89kg/17,39lb 0,0150m/0,5297ft 8,59kg/19lb	9.50
	FF3844YD40	"D" Telescopic drop-arm extension 213cm up to 400cm (88" to 162")		8,44kg/18,6lb 0,0160m/0,5650ft 9,14kg/20,15lb	9.50
	FF3842ST	"ST" Telescopic drop-arm extension 43cm up to 65cm (17" to 25")		2,00kg/4,41lb 0,0040m/0,1412ft 2,89kg/6,37lb	9.60
	FF3841ST	"ST" Telescopic drop-arm extension 73cm up to 123cm (28" to 48")		3,10kg/6,83lb 0,0060m/0,2119ft 3,99kg/8,79lb	9.60
	FF3840ST	"ST" Telescopic drop-arm extension 113cm up to 200cm (44" to 78")		4,20kg/9,26lb 0,0080m/0,2825ft 5,09kg/11,22lb	9.60
	FF3844YST25	"ST" Telescopic drop-arm extension 138cm up to 250cm (48" to 102")		5,90kg/13,00lb 0,0100m/0,3531ft 6,79kg/14,97lb	9.60
	FF3844YST30	"ST" Telescopic drop-arm extension 163cm up to 300cm (68" to 122")		7,00kg/15,43lb 0,0120m/0,4238ft 8,59kg/19lb	9.60
	FF3844YST35	"ST" Telescopic drop-arm extension 188cm up to 350cm (78" to 148")		7,70kg/16,98lb 0,0150m/0,5297ft 7,89kg/17,39lb	9.60
	FF3844YST40	"ST" Telescopic drop-arm extension 213cm up to 400cm (88" to 162")		8,25kg/18,19lb 0,0160m/0,5650ft 9,14kg/20,15lb	9.60

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























































PRODUCT	CODE	DESCRIPTION	APPLICATION	DATAS	PAGE	
	429-4,0	Telescopic operating pole length 4m - 13,11ft		2,6kg/5,73lb	0,08m/2,825ft	3,3kg/7,28lb 9.70
	429-6,0	Telescopic operating pole length 6m - 19,68ft		2,9kg/6,39lb	0,105m/3,708ft	3,65kg/8,04lb 9.70

ARMS AND ADAPTERS

	013	1Spigot adapter 5/8" to 5/8"		0,07kg/0,154lb	0,00003m/0,001ft	0,07kg/0,154lb 10.30
	E200	Spigot adapter 5/8" to 1/8"		0,62kg/1,37lb	0,00014m/0,0049ft	0,62kg/1,37lb 10.40
	FF3257	Female adapter 5/8" to 1 1/8"		0,700kg/1,540lb	0,0020m/0,0706ft	0,740kg/1,631lb 10.50
	FF3260	Female - male adapter 5/8" spigot to 1 1/8" female		0,562kg/1,239lb	0,0020m/0,0706ft	0,602kg/1,327lb 10.60
	FF3261	Balancer		0,500kg/1,102lb	0,002m/0,07ft	0,54kg/1,19lb 10.70
	FF3262	Arm with 7 mounting points (5/8")		1,194kg/2,632lb	0,0070m/0,2472ft	1,694kg/3,734lb 10.80
	FF3866	Arm with 3 mounting points (1 1/8")		3,50kg/7,72lb	0,03m/1,059ft	4,00kg/8,818lb 10.90
	FF3868	Spigot mounting point 5/8"		0,23kg/0,507lb	0,0020m/0,0706ft	0,27kg/0,595lb 10.100
	FF3867	Spigot mounting point 1 1/8"		0,62kg/1,366lb	0,0020m/0,0706ft	0,66kg/1,455lb 10.110
	FF3869	Female mounting point 1 1/8"		0,750kg/1,654lb	0,0020m/0,0706ft	0,79kg/1,741lb 10.120

PRODUCT	CODE	DESCRIPTION	APPLICATION	DATAS	PAGE
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CLAMPS

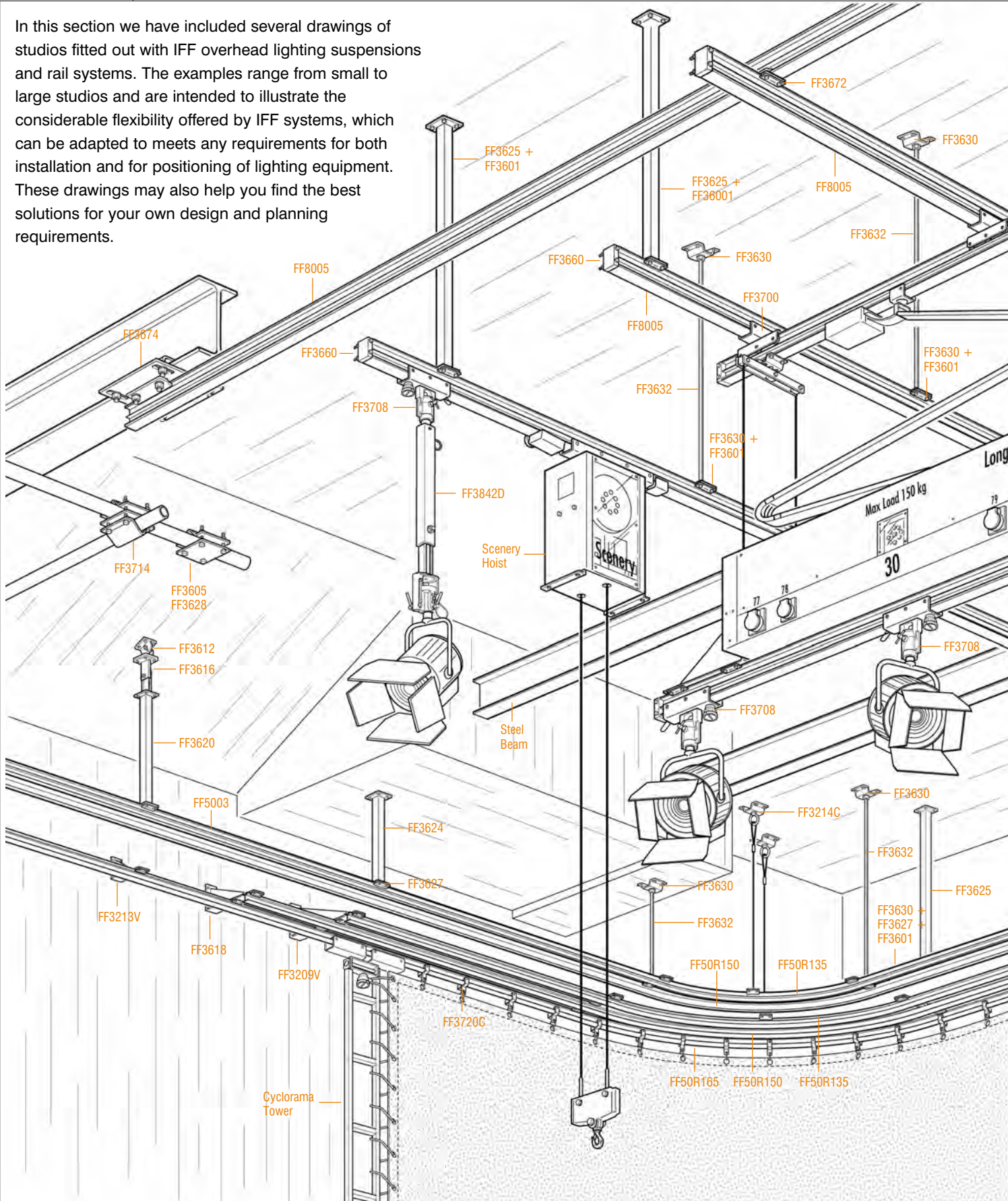
	C210	Baby pipe clamp with 16mm stud		 0,62kg/1,37lb  0,006m/0,221ft  0,7kg/1,54lb	11.30
	C100	Junior pipe clamp with 28mm socket		 1,13kg/2,49lb  0,005m/0,177ft  1,18kg/2,601lb	11.40
	C350	Barrel clamp		 1,00kg/2,20lb  0,004m/0,141ft  1,11kg/0,245lb	11.50
	C339	Grab clamp	     	 1,20kg/2,64lb  0,007m/0,274ft  1,2kg/2,64lb	11.60
	C339UH	Grab clamp with universal head	     	 1,95kg/4,30lb  0,009m/0,46ft  2,43kg/5,35lb	11.70
	C339LE	Grab clamp with lifting eye	     	 1,40kg/3,08lb  0,006m/0,237ft  1,70kg/3,75lb	11.80
	C339SP	Grab clamp with spinning pulley	     	 1,65kg/3,63lb  0,006m/0,209ft  1,80kg/3,96lb	11.90
	C339BB	Grab clamp with 16mm bushing	     	 1,35kg/2,97lb  0,006m/0,237ft  1,73kg/3,81lb	11.100
	FF3276	Safety steel cable Ø 2mm - length 35cm		 0,06kg/0,132lb  0,0007m/0,0247ft  0,06kg/0,132lb	11.110
	FF3870	Safety steel cable Ø 2,5mm - length 70cm		 0,08kg/0,176lb  0,0007m/0,0247ft  0,08kg/0,176lb	11.110
	FF3871	Safety steel cable Ø 4mm - length 70cm		 0,1kg/0,22lb  0,0007m/0,0247ft  0,1kg/0,22lb	11.110


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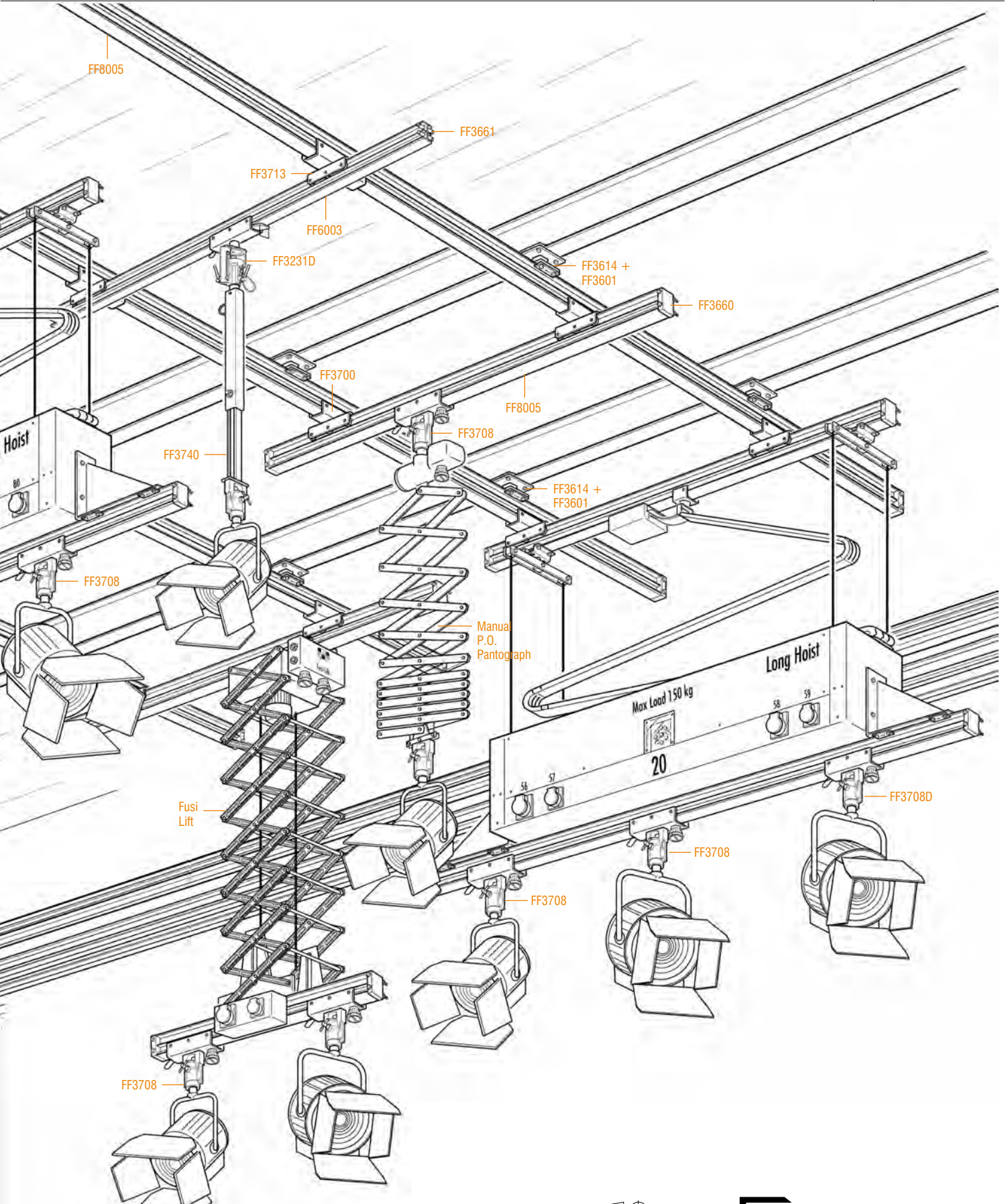
QUICK REFERENCE LIST





In this section we have included several drawings of studios fitted out with IFF overhead lighting suspensions and rail systems. The examples range from small to large studios and are intended to illustrate the considerable flexibility offered by IFF systems, which can be adapted to meet any requirements for both installation and for positioning of lighting equipment. These drawings may also help you find the best solutions for your own design and planning requirements.



Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch. 
IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.



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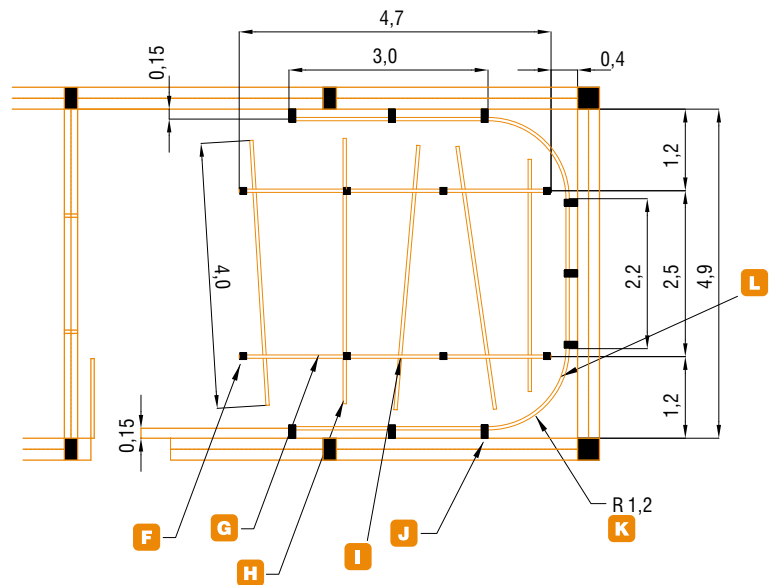
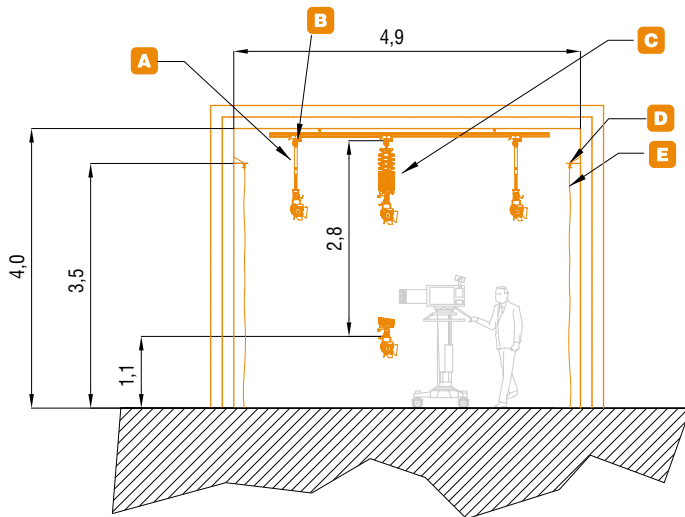
Studio 5x7

Studio 5x7

Small 35sqm studio with cyclorama on 3 sides. A moving rail system provides complete coverage of the studio and at the same time offers flexibility in the set up of the lights. The low ceiling allows the use of manual suspensions.

Legend

- A** Drop arm
- B** Sliding Carriage with brakes and Bushing
- C** Manual pantograph, Spring or Pole operated
- D** Wall bracket for Cyclorama Rails
- E** Cyclorama Curtain
- F** Ceiling bracket for fixed rails
- G** Fixed rails
- H** Moving Rails
- I** Double carriage
- J** Wall bracket for Cyclorama Rails
- K** Curved Rail For Cyclorama
- L** Cyclorama rail

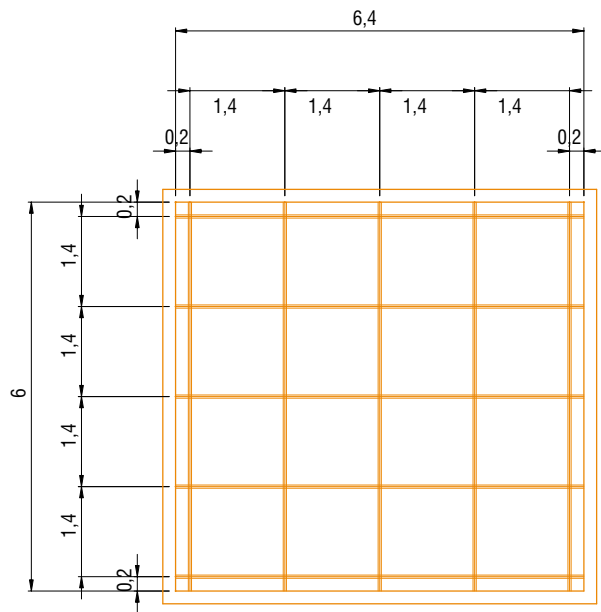


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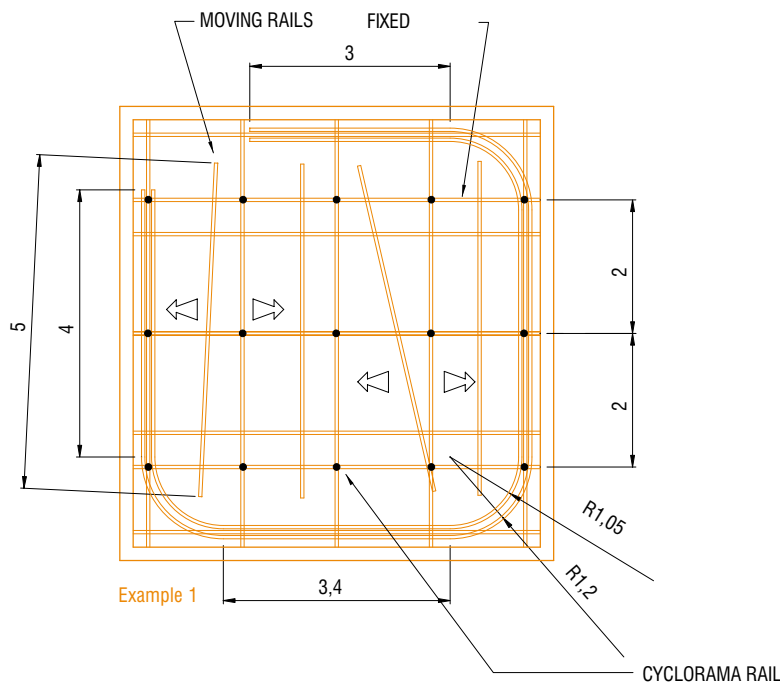
Studio 6x6

Studio 6x6

The two examples below demonstrate how flexible our rail system is. There are no limits to the ways our components can be combined to create all kinds of shapes and satisfy all customer needs.

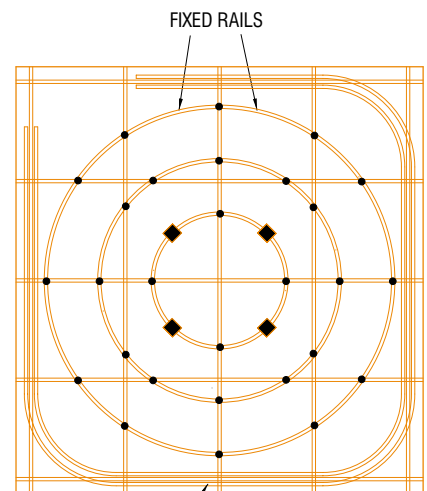


Pipe Grid



Example 1

CYCLORAMA RAIL



Example 2

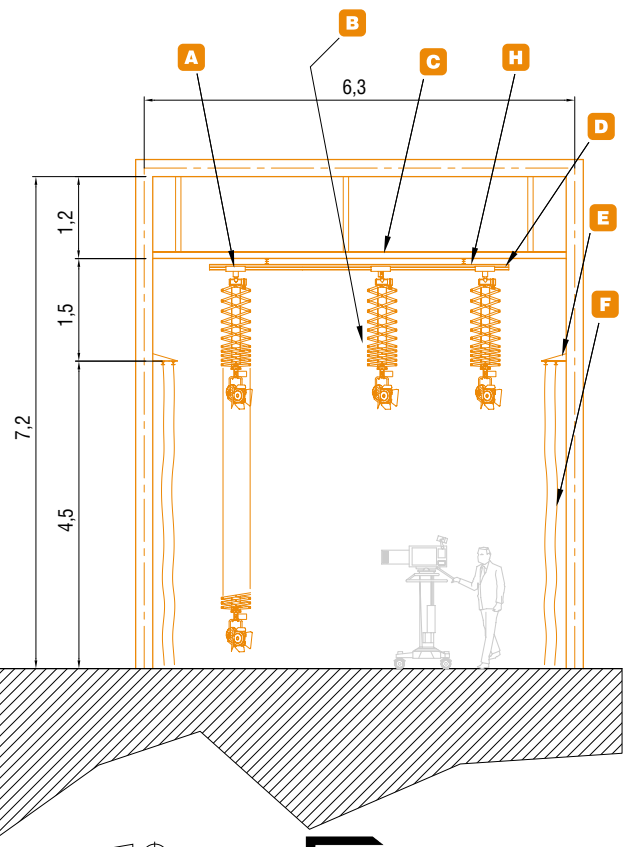
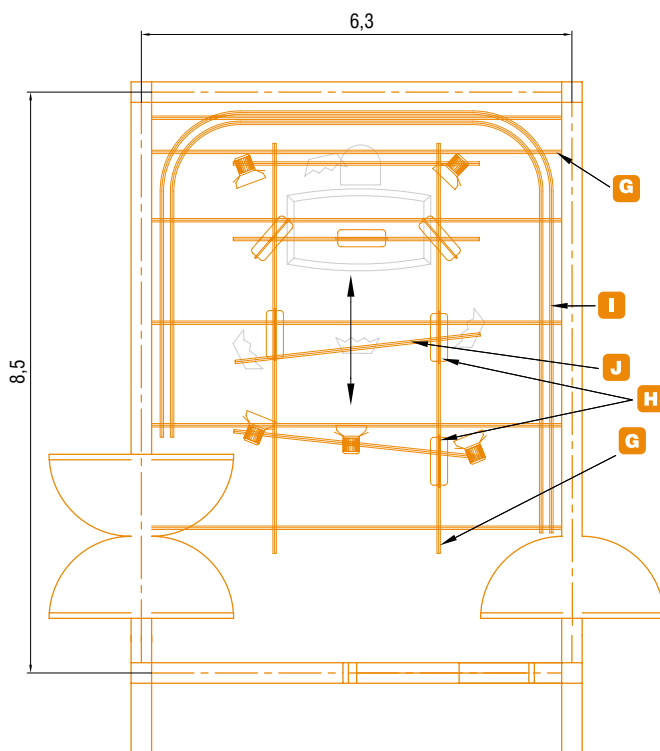
Studio 6x8


Studio 6x8

Small studio of 48sqm for News shows.
Cyclorama on 3 sides plus a moving rail system to provide complete coverage of the studio and flexibility in the set up of the lights.
The low ceiling allows the use manual suspensions.

Legend

- A** Sliding Carriage with brakes and Bushing
- B** Manual pantograph, Spring or Pole operated
- C** Fixed rails
- D** Moving Rails
- E** Wall bracket for Cyclorama Rails
- F** Cyclorama Curtain
- G** Fixed rails
- H** Double carriage
- I** Cyclorama rail
- J** Moving Rails



Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch. 
IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

Studio 10x10

Studio 10x10

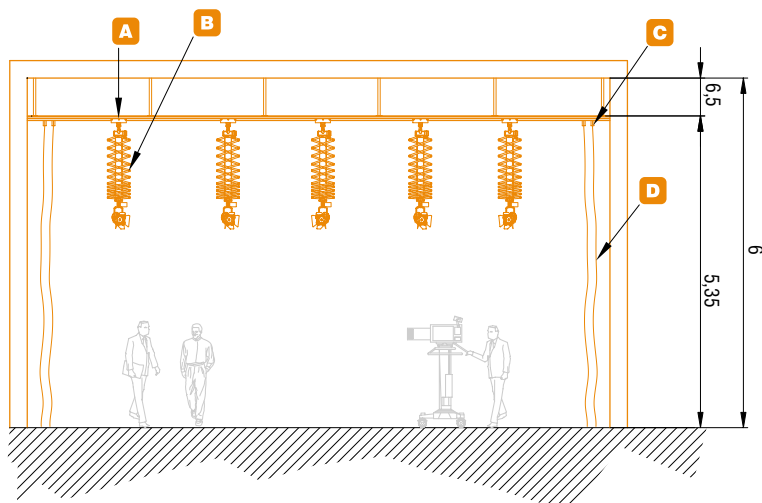
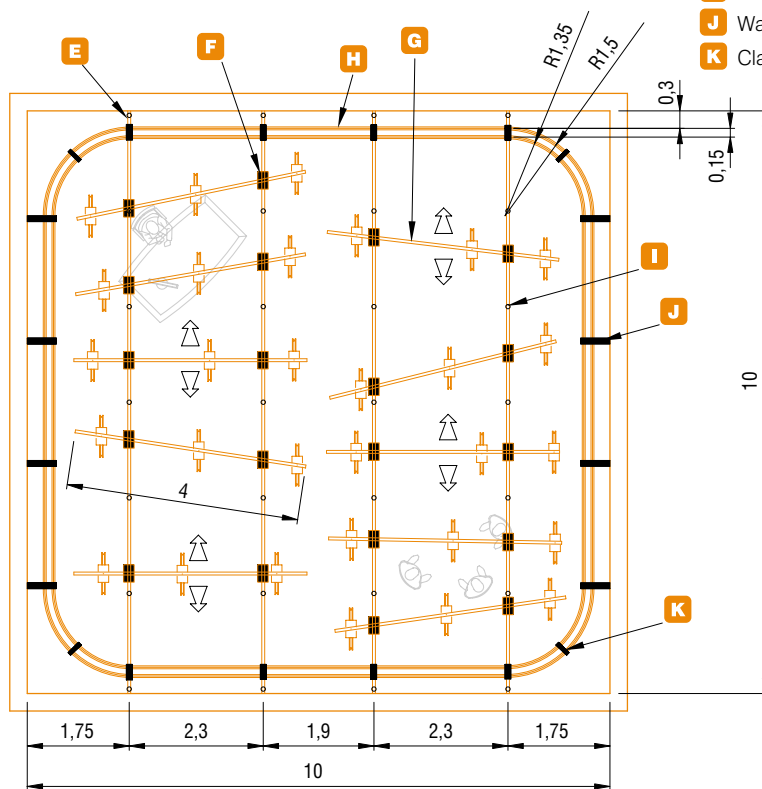
Medium-sized 100sqm studio for News and interviews.


A double cyclorama track runs around the entire perimeter of the studio and a moving rail system divided between two parallel rows provides complete coverage of the studio allowing two small set areas to be created.

The low ceiling allows the use of manual suspensions.

Legend

- A** Sliding Carriage with brakes and Bushing
- B** Manual pantograph, Spring or Pole operated
- C** Cyclorama Rails
- D** Cyclorama Curtain
- E** Fixed rails
- F** Double carriage
- G** Moving Rails
- H** Cyclorama rail
- I** Ceiling Bracket to hold the fixed rails
- J** Wall bracket for cyclorama rails
- K** Clamp to hold the curves from the ceiling using steel wire



Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch. 
IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

Studio 15x13

Studio 15x13

Medium-sized 195sqm multipurpose studio.

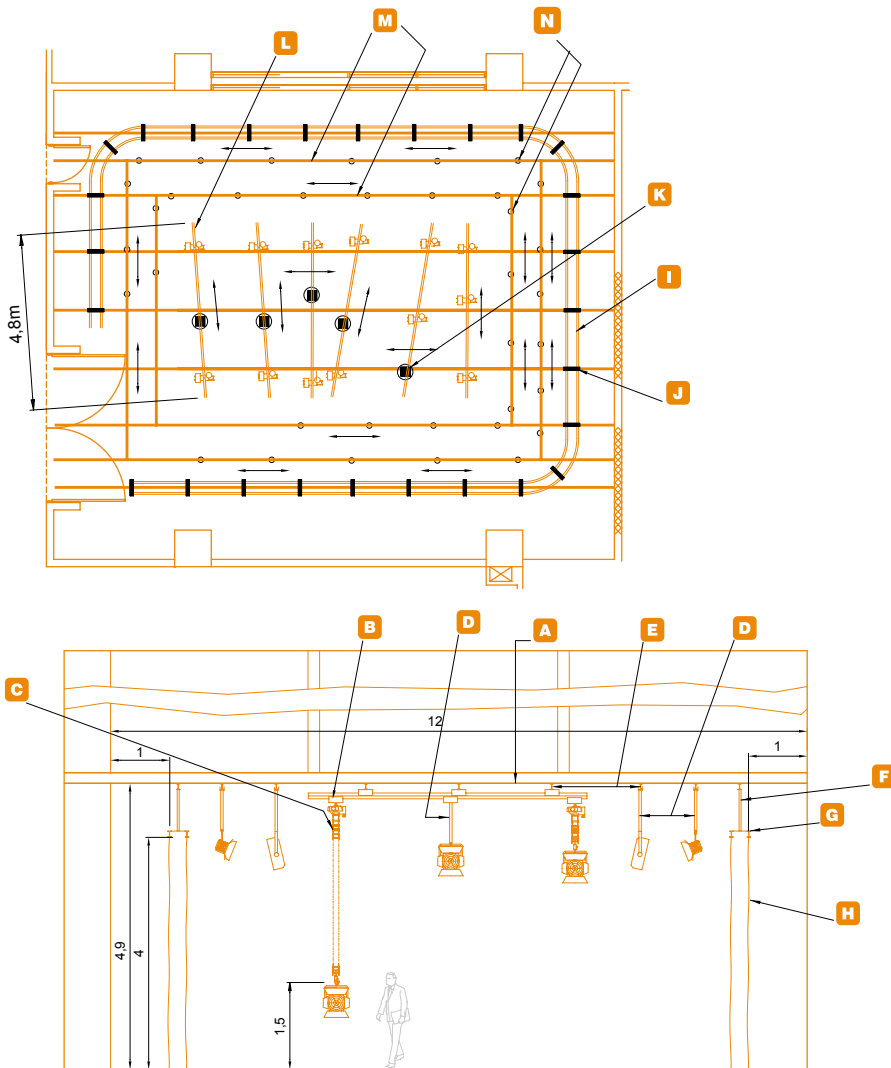
In this case we lowered the ceiling creating a grid of steel beams at 5mt from the roof. The position of the beams was decided by the IFF project department in order to grant proper support to the rail system. A double cyclorama track runs around almost the entire perimeter of the studio.


Cyclorama and back lights are mounted on sliding carriages that run along fixed rails parallel to cyclorama curtains.

Production lights are mounted on carriages on moving rails providing complete coverage of the studio with extreme flexibility.

Legend

- A** Fixed steel beam
- B** Sliding Carriage with brakes and Bushing
- C** Manual pantograph pole operated
- D** Telescopic Drop Arm
- E** Fixed IFF rail
- F** Fixed bracket to lower the cyclorama rails
- G** Cyclorama Rails
- H** Cyclorama Curtain
- I** Cyclorama rails
- J** Bracket to connect Steel beam to Cyclorama Rail
- K** Trackable Drop Arm
- L** Moving Rails
- M** Sliding carriages for cyclorama and back light
- N** Ceiling Bracket to hold the fixed rails



Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch. 
IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

Studio 15x16

Studio 15x16

Medium studio measuring 240sqm for multipurpose use. The 3 different layouts demonstrate that with our wide range of accessories and suspensions we can create unlimited solutions satisfying all technical and budget requests.

Layout 1

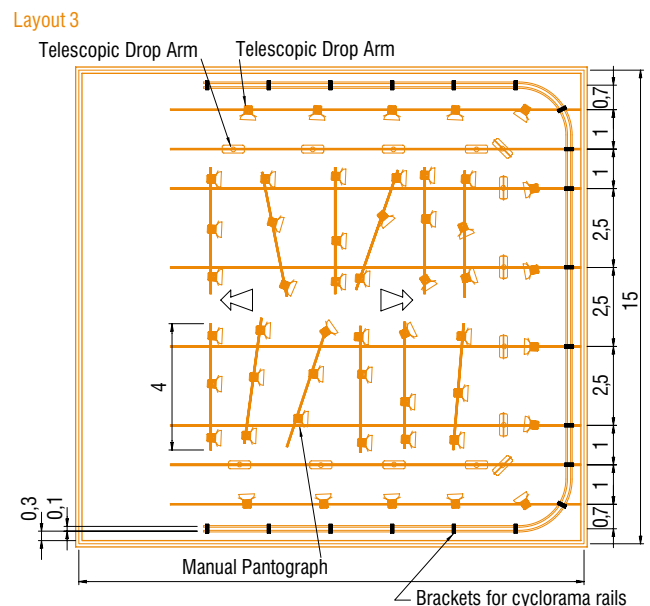
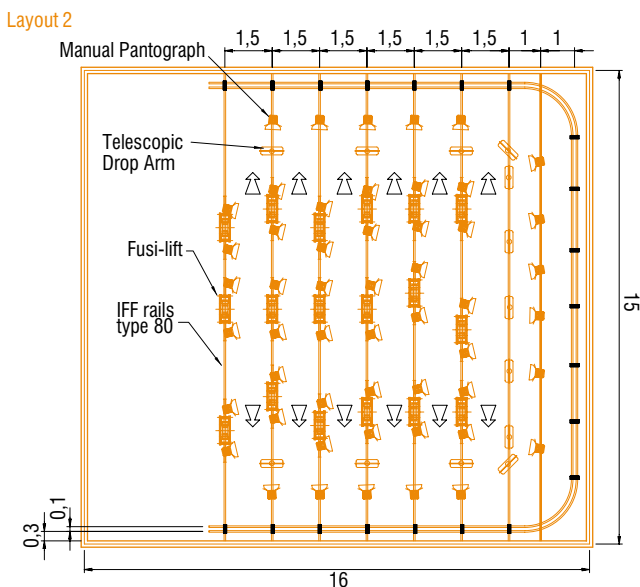
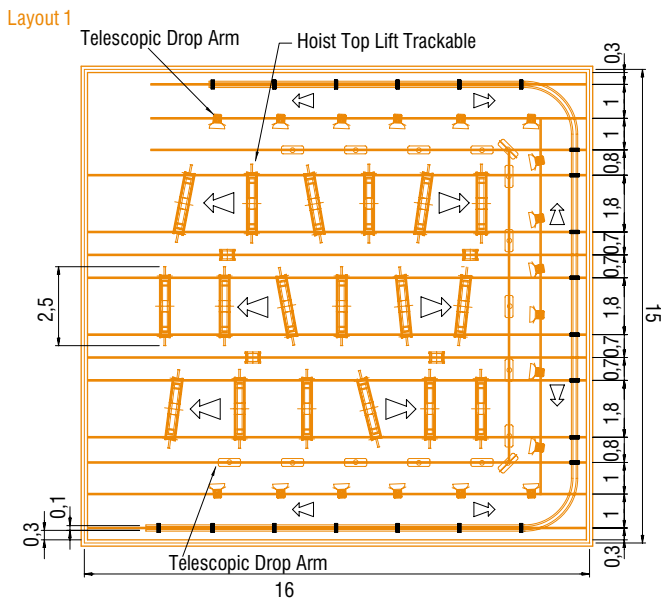
A double cyclorama track covers 3 sides of the studio, all suspensions are mounted on carriages that slide on IFF rail type 80. Cyclorama lights are suspended on telescopic drop arms while back lights are mounted on manual pantographs. Production lights are mounted on Fusilifts with 1,8m barrel that run along IFF rail type 80 for perfect coverage of the studio.

Layout 2

A double cyclorama track covers 3 sides of the studio, all suspensions are mounted on carriages that slide on IFF rail type 80. Cyclorama and back lights are suspended on telescopic drop arms. Production lights are mounted on Top Lift Hoists with 4,5 m Barrel. The hoists are split into two rows to cover the studio and mounted on sliding carriages to add flexibility to the positioning of the lights.

Layout 3

A double cyclorama track covers 3 sides of the studio, all suspensions are mounted on carriages that slide on IFF rail type 80. Cyclorama and back lights are suspended on telescopic drop arms. Production lights are divided between two rows and mounted on moving rails 4m long. On each rail we have a manual pantograph on a sliding carriage for each light. This solution grants flexibility and perfect coverage of the studio.



	Flexibility ratio	Max height of the studio	Cost Ratio
Layout 1	80	11,5 m	100
Layout 2	50	14 m	80
Layout 3	100	7,5 m	45

Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch. IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

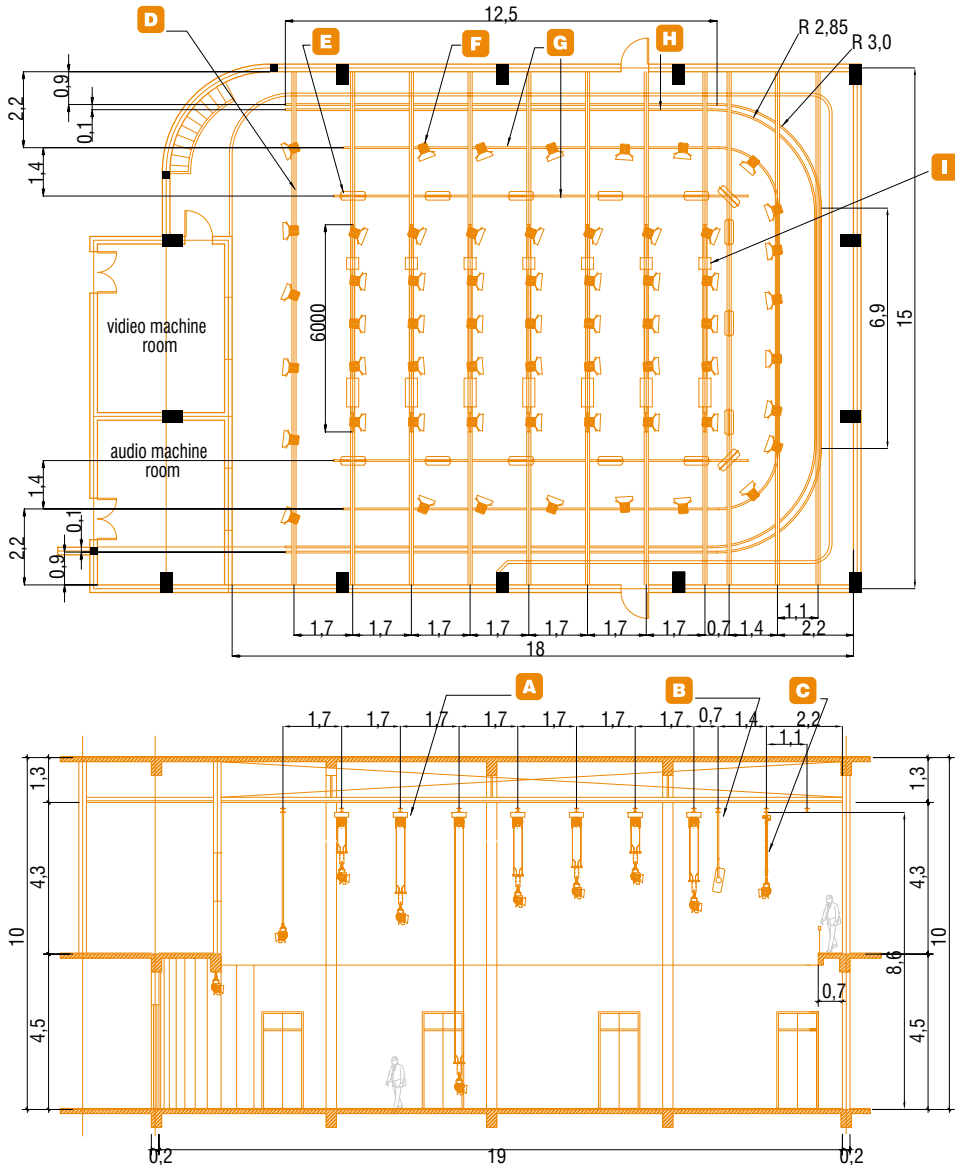
Studio 15x18

Studio 15x18

Medium multipurpose studio measuring 270sqm.
 A double cyclorama track covers 3 side of the studio. Back lights are mounted on manual pole-operated pantographs on IFF rail type 80 that follow the cyclorama rail shape.
 Cyclorama lights are mounted on telescopic drop arms.
 All production lights are mounted on 6m barrel Combi Hoists.

Legend

- A** Combi hoist 6m barrel 7m travel
- B** Telescopic Drop arm
- C** Manual pole-operated pantograph
- D** Steel Beam
- E** Cyclorama lights on telescopic drop arms
- F** Backlights on manual pole-operated pantographs
- G** IFF rail type 80
- H** Cyclorama rails
- I** Combi Hoists



Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch. IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

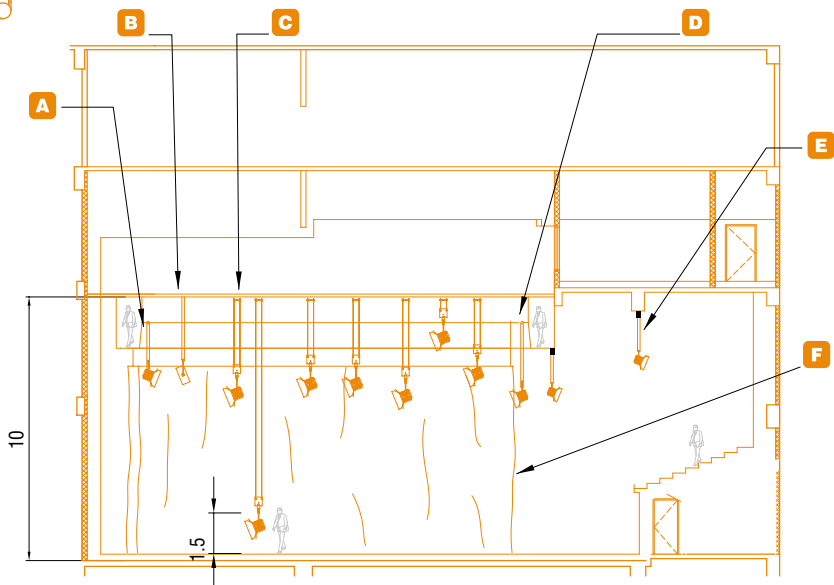
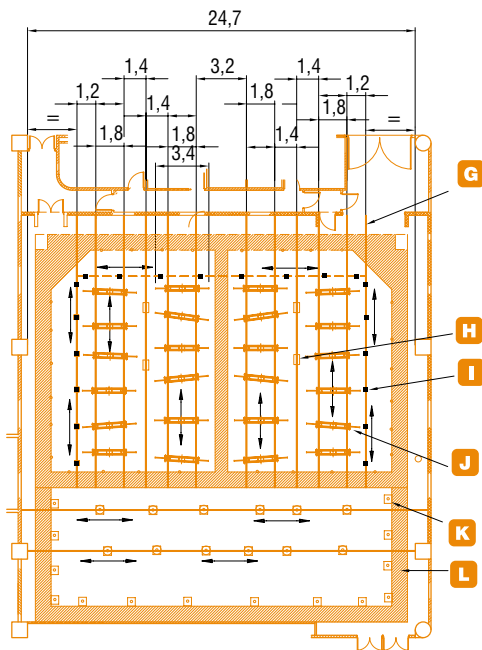
Studio 25x25


Studio 25x25

Large 625sqm studio for multipurpose use with audience.
 A double cyclorama track covers 3 side of the studio and is mounted under the catwalk.
 Back lights are mounted on telescopic drop arms while Cyclorama lights are mounted on manual pole-operated pantographs that can move along IFF rails.
 The production area is covered by 24 trackable hoists with 4m barrel and by 4 scenery hoists for heavy scenario management.
 The audience area is lit by 12 trackable telescopic drop arms and 14 fixed telescopic drop arms mounted above the catwalk.

Legend

- A** Telescopic Drop arm
- B** Telescopic Drop arm
- C** Trackable hoist 4 m barrel
- D** Telescopic Drop arm
- E** Telescopic Drop arm
- F** Cyclorama
- G** Steel IPE 100 Beam
- H** Scenery Hoist
- I** Telescopic drop arm for Cyclorama lights
- J** Trackable hoist
- K** Telescopic drop arm for audience lights
- L** Catwalk



Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch. 
 IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

Studio 30x36

Studio 30x36

Large multipurpose studio measuring 1080sqm .

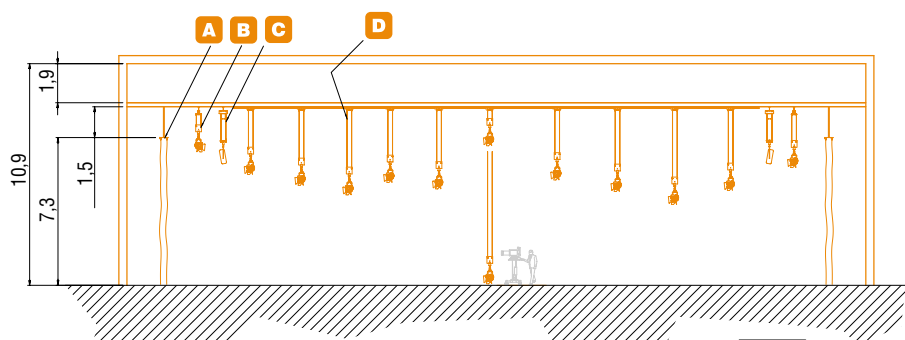
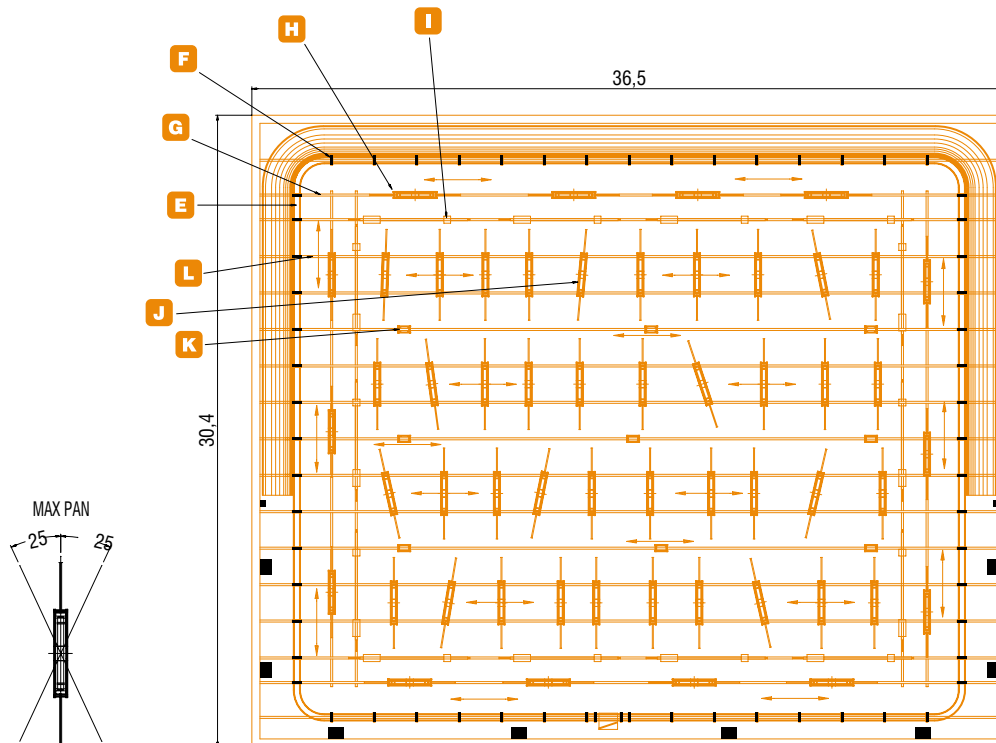
A double cyclorama track runs around the entire perimeter of the studio.

Back lights are mounted on trackable long hoists while Cyclorama lights are mounted on combi hoist with 6m barrel .

Production area is covered by 40 trackable long hoists with 4,5m barrel and by 9 scenery hoists for heavy scenario management.

Legend

- A** Cyclorama Rail
- B** Trackable Long Hoist for back lights
- C** Combi hoist for Cyclorama lights
- D** Trackable Long Hoist for production lights
- E** Cyclorama Rail
- F** Brackets to hold cyclorama rail
- G** IFF rail type 80
- H** Trackable long hoist for back lights
- I** Combi hoist
- J** Trackable production hoist
- K** Scenery hoist
- L** IFF rail type 80




Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch. **IMPORTANT:** installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

[go to index](#)

STUDIO EXAMPLE

























































































Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch. 
IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

 **FRAMELIGHT**

sales@framelight.com.au | framelight.com.au XXIV


IFF Top rails provide a versatile selection of profiles, lengths and radius curves to suit all studio sizes. The three profiles available provide for curtain and cyclorama systems using the Type 50, smaller/lightweight applications using the Type 60 and for larger/heavy duty applications we have the Type 80.


QUICK SELECTION GUIDE




PRODUCT	CODE	DESCRIPTION	APPLICATION	DATAS	PAGE
	FF5003	Rail 50 length 3000mm - 118 1/8"		 5,40kg/11,90lb  0,0078m/0,276ft  5,40kg/11,90lb	1.30
	FF5004	Rail 50 length 4000mm - 157 15/32"		 7,20kg/15,87lb  0,01m/0,353ft  7,20kg/15,87lb	1.30
	FF5005	Rail 50 length 5000mm - 196 27/32"		 9,00kg/19,84lb  0,013m/0,459ft  9,00kg/19,84lb	1.30
	FF6003	Rail 60 length 3000mm - 118 1/8"		 4,20kg/9,26lb  0,0063m/0,222ft  4,20kg/9,26lb	1.50
	FF6004	Rail 60 length 4000mm - 157 15/32"		 5,60kg/12,35lb  0,0084m/0,296ft  5,60kg/12,35lb	1.50
	FF6005	Rail 60 length 5000mm - 196 27/32"		 7,00kg/15,43lb  0,01m/0,353ft  7,00kg/15,43lb	1.50
	FF8003	Rail 80 length 3000mm - 118 1/8"		 7,50kg/16,53lb  0,012m/0,039ft  7,5kg/16,53lb	1.70
	FF8004	Rail 80 length 4000mm - 157 15/32"		 10,00kg/22,05lb  0,016m/0,052ft  10,00kg/22,05lb	1.70
	FF8005	Rail 80 length 5000mm - 196 27/32"		 12,50kg/27,56lb  0,02m/0,066ft  12,50kg/27,56lb	1.70
	FF50R135	Rail 50 curved 90° radius 1350mm - 53 5/32"		 3,82kg/8,4lb  0,04m/1,41ft  3,82kg/8,4lb	1.90
	FF50R150	Rail 50 curved 90° radius 1500mm - 59 1/16"		 4,25kg/9,36lb  0,05m/1,77ft  4,25kg/9,36lb	1.90
	FF50R165	Rail 50 curved 90° radius 1650mm - 64 31/32"		 4,67kg/10,3lb  0,06m/2,12ft  4,67kg/10,3lb	1.90
	FF50R180	Rail 50 curved 90° radius 1800mm - 70 7/8"		 5,10kg/11,23lb  0,071m/2,5ft  5,10kg/11,23lb	1.90
	FF50R195	Rail 50 curved 90° radius 1950mm - 76 25/32"		 5,52kg/12,16lb  0,083m/2,93ft  5,52kg/12,16lb	1.90
	FF50R210	Rail 50 curved 90° radius 2100mm - 82 11/16"		 5,94kg/13,105lb  0,097m/3,42ft  5,94kg/13,105lb	1.90
	FF50R225	Rail 50 curved 90° radius 2250mm - 88 19/32"		 6,37kg/14,041lb  0,111m/3,91ft  6,37kg/14,041lb	1.90
	FF50R240	Rail 50 curved 90° radius 2400mm - 94 1/2"		 6,79kg/14,97lb  0,126m/4,496ft  6,79kg/14,97lb	1.90
	FF50R255	Rail 50 curved 90° radius 2550mm - 100 13/32"		 7,22kg/15,91lb  0,146m/5,156ft  7,22kg/15,91lb	1.90
	FF50R270	Rail 50 curved 90° radius 2700mm - 106 5/16"		 7,64kg/16,84lb  0,16m/5,65ft  7,64kg/16,84lb	1.90
	FF50R285	Rail 50 curved 90° radius 2850mm - 112 3/16"		 8,07kg/17,78lb  0,18m/6,356ft  8,07kg/17,78lb	1.90
	FF50R300	Rail 50 curved 90° radius 3000mm - 118 1/8"		 8,49kg/18,72lb  0,197m/6,956ft  8,49kg/18,72lb	1.90
		FF60R105	Rail 60 curved 90° radius 1050mm - 41 11/32"		 2,24kg/5lb  0,027m/0,953ft  2,24kg/5lb
FF60R120		Rail 60 curved 90° radius 1200mm - 47 1/4"		 2,56kg/5,7lb  0,036m/1,271ft  2,56kg/5,7lb	1.110
FF60R135		Rail 60 curved 90° radius 1350mm - 53 5/32"		 2,88kg/6,4lb  0,046m/1,624ft  2,88kg/6,4lb	1.110
FF60R150		Rail 60 curved 90° radius 1500mm - 59 1/16"		 3,2kg/7lb  0,057m/2,01ft  3,2kg/7lb	1.110
FF60R165		Rail 60 curved 90° radius 1650mm - 64 31/32"		 5,52kg/7,8lb  0,069m/2,43ft  5,52kg/7,8lb	1.110
FF60R180		Rail 60 curved 90° radius 1800mm - 70 7/8"		 3,85kg/8,5lb  0,08m/2,82ft  3,85kg/8,5lb	1.110

Rails 50

- FF5003: length 3000mm – 118 1/8"
- FF5004: length 4000mm – 157 15/32"
- FF5005: length 5000mm – 196 27/32"

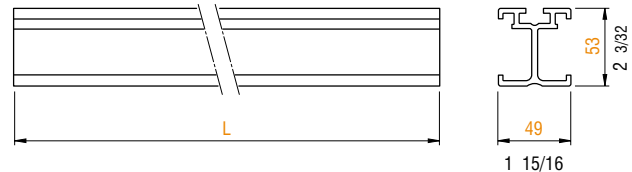
 material: aluminium

 finish: silver

		FF5003	FF5004	FF5005
W width:	mm	3000	4000	5000
	inch	118 1/8	157 15/32	196 27/32
 weight:	kg	5,40	7,20	9,00
	lb	11,90	15,87	19,84
 volume:	cu m	0,0078	0,01	0,013
	cu ft	0,276	0,353	0,459
 weight:	kg	5,40	7,20	9,00
	lb	11,90	15,87	19,84

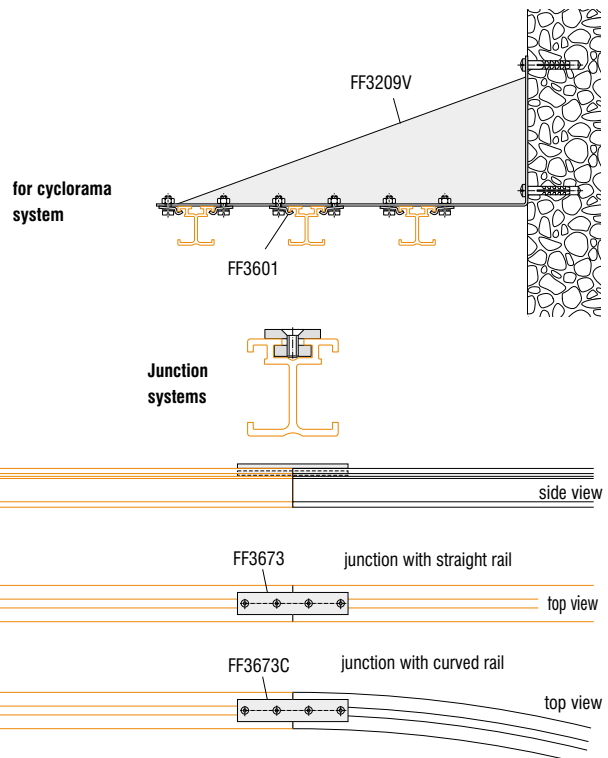
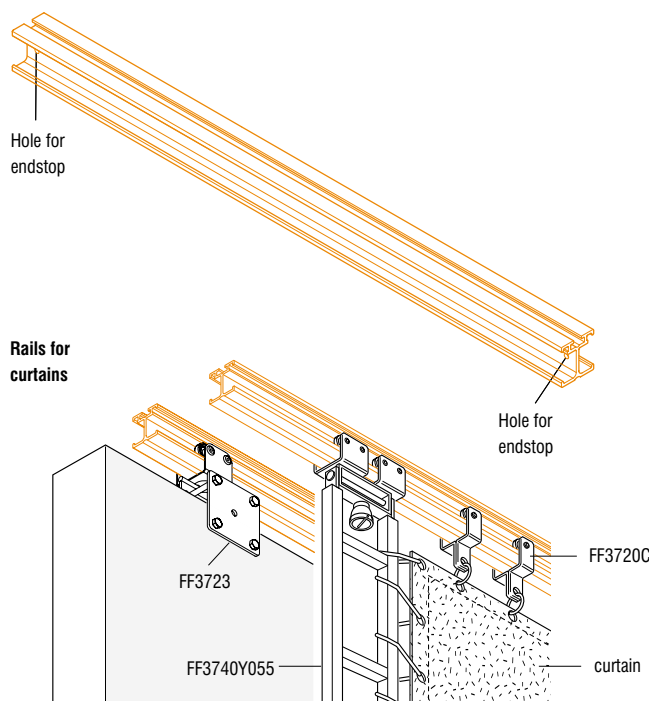
1


These aluminium rails are designed especially for curtain- and cyclorama- systems. Rail systems in each length and shape are possible by connecting 2 or more standard rails. End stops at each rail end are required.



scale 1:5

APPLICATIONS



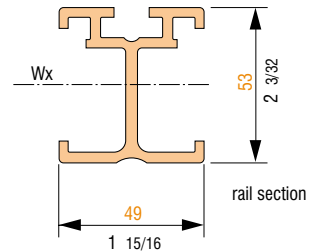
Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch. 
IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

Rails 50 - anchorage points

The spacing of rail brackets depends on the maximum load on the rail itself, but should generally be in accordance with the table below.

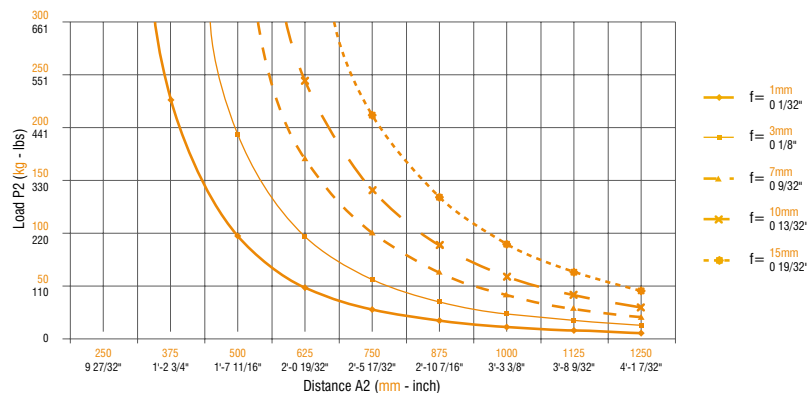
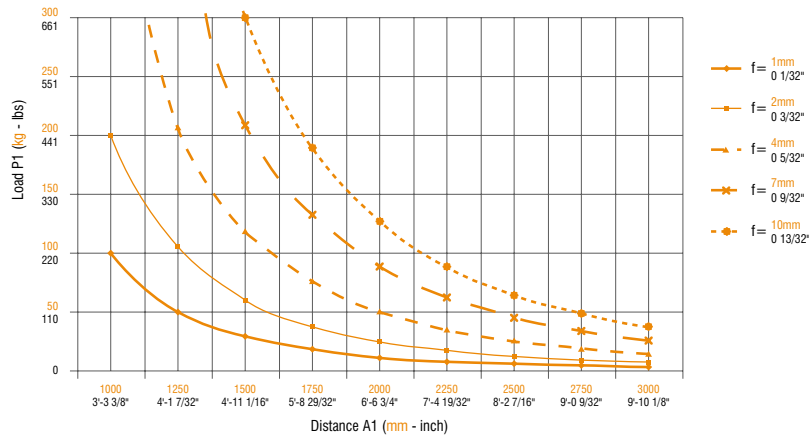
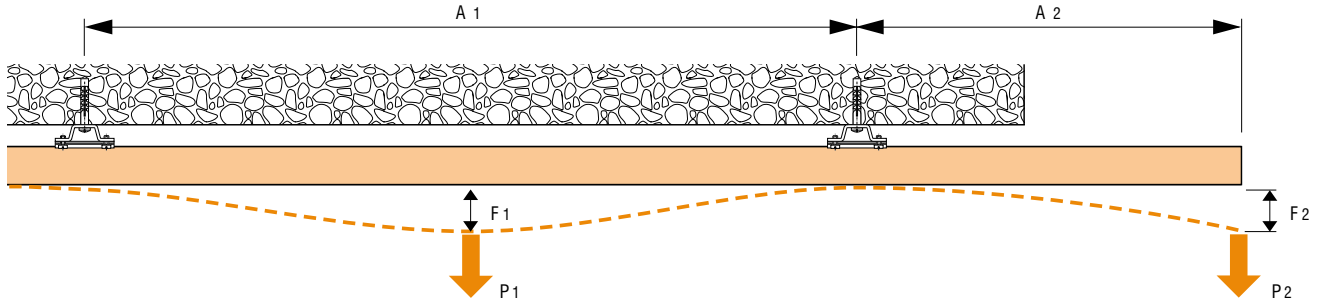
Example for A1 (distance between two support brackets) equals 3m (118 1/8"), the maximum load P1 equals 60kg (134lb).

To avoid sag due to point loads between two support points the spacing between two brackets should not exceed 2m (78 3/4").



weight: 1,80 kg/m linear
1,2 lb/ft linear

section modulus Wx: 10143 cu mm
0,619 cu inch



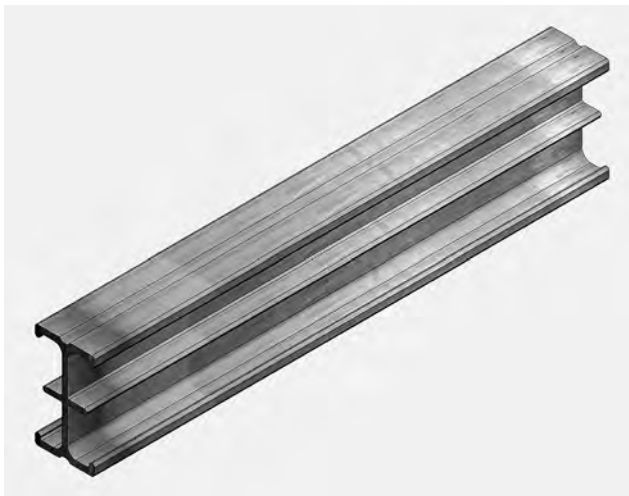
Attention Graphics are calculated for static loads. For application that foreseen loads over 200kg/441lbs and sagging over 3mm/1/8" please consult our thecnal office

Rails 60

FF6003: length 3000mm – 118 1/8"
 FF6004: length 4000mm – 157 15/32"
 FF6005: length 5000mm – 196 27/32"

1

These aluminium rails are designed for light weight application, Cyclorama and low ceiling studios. Rail systems in each length and shape are possible by connecting 2 or more standard rails. End stops at each rail end are required.

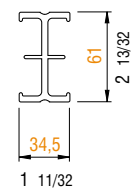
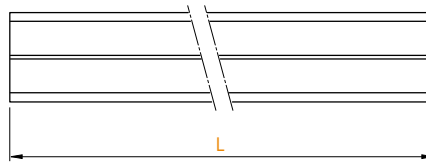


material: aluminium



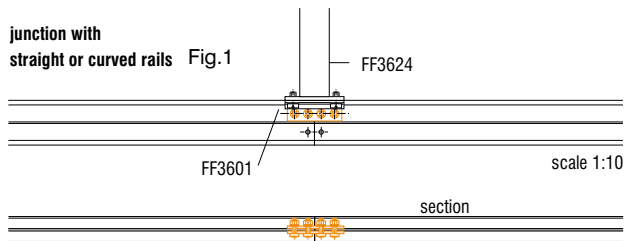
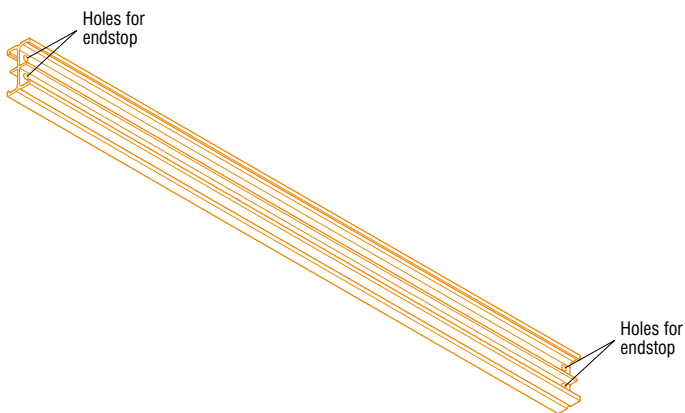
finish: silver

	FF6003	FF6004	FF6005	
W width:	mm	3000	4000	5000
	inch	118 1/8	157 15/32	196 27/32
weight:	kg	4,20	5,60	7,00
	lb	9,26	12,35	15,43
volume:	cu m	0,0063	0,0084	0,01
	cu ft	0,222	0,296	0,353
weight:	kg	4,20	5,60	7,00
	lb	9,26	12,35	15,43

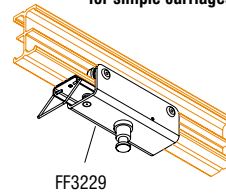


scale 1:5

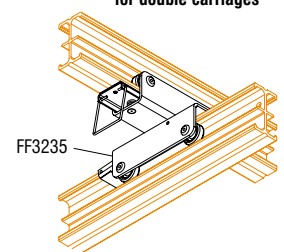
APPLICATIONS



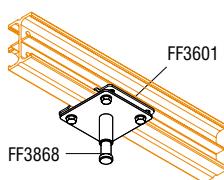
for simple carriages



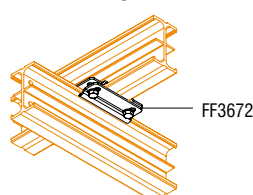
for double carriages



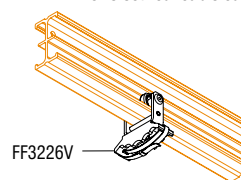
for fixing brackets



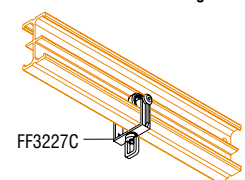
rail crossings



for electrical cable carriages



for curtain carriages



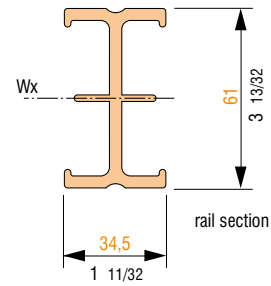
Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch.
 IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

Rails 60 - anchorage points

The spacing of rail brackets depends on the maximum load on the rail itself, but should generally be in accordance with the table below.

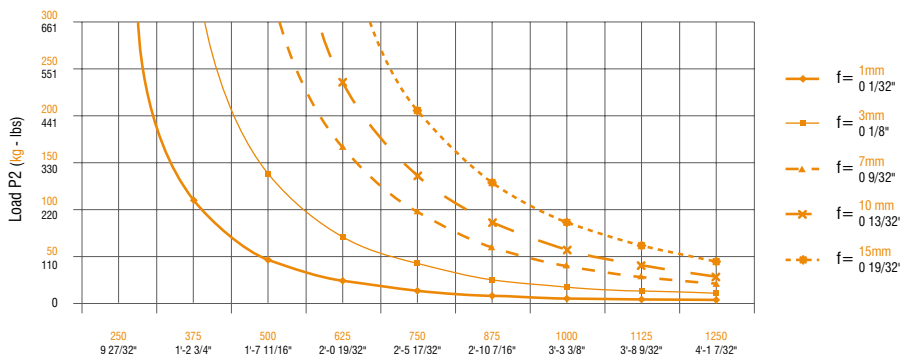
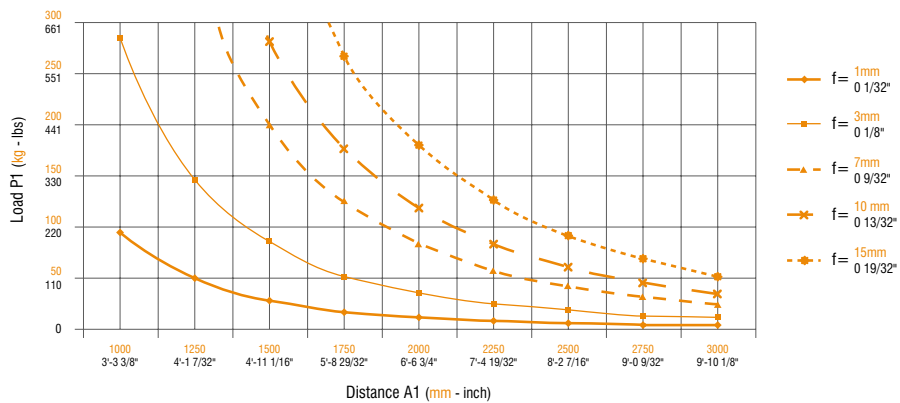
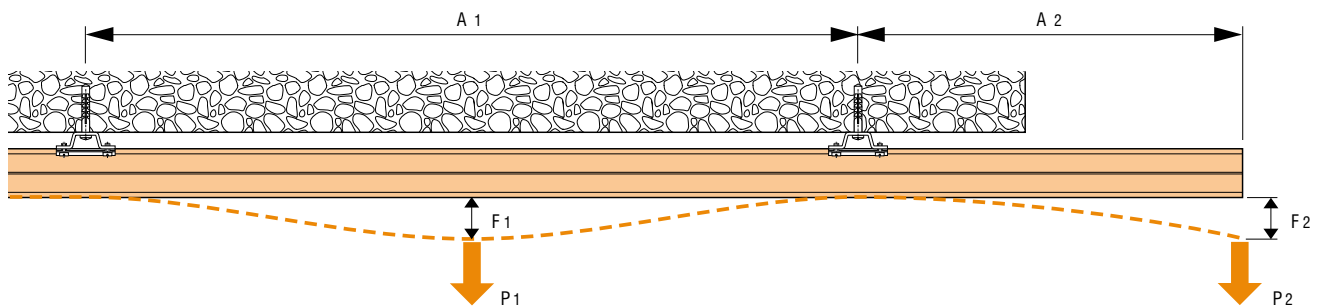
Example for A1 (distance between two support brackets) equals 3m (118 1/8"), the maximum load P1 equals 60kg (134lb)

To avoid sag due to point loads between two support points the spacing between two brackets should not exceed 2m (78 3/4")



weight: 1,40 kg/m linear
0,94 lb/ft linear

section modulus Wx: 8536 cu mm
0,52 cu in



Attention Graphics are calculated for static loads. For application that foreseen loads over 200kg/441lbs and sagging over 3mm/1/8" please consult our thecnal office

Rails 80

FF8003: length 3000mm – 118 1/8"
 FF8004: length 4000mm – 157 15/32"
 FF8005: length 5000mm – 196 27/32"



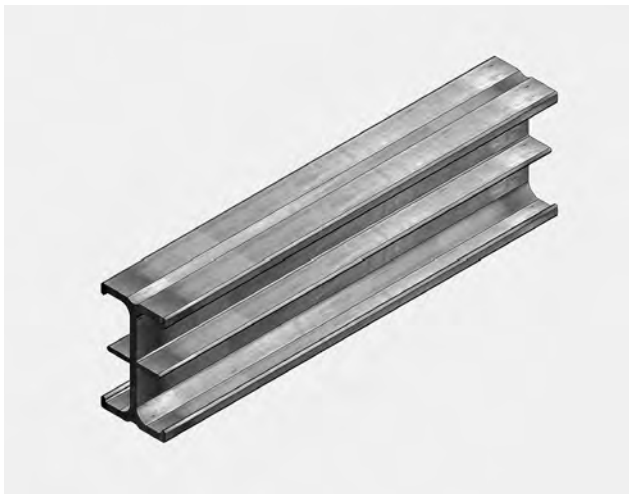
material: aluminium



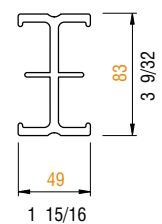
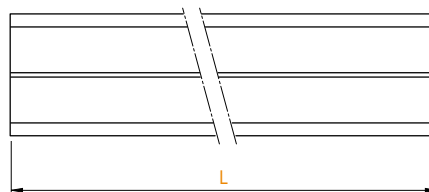
finish: silver

1

These aluminium rails are designed for heavy-duty applications. Rail systems in each length and shape are possible by connecting 2 or more standard rails. End stops at each rail end are required.

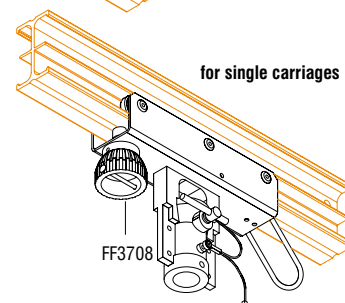
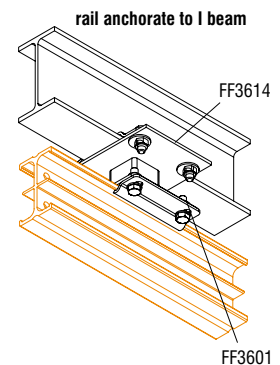
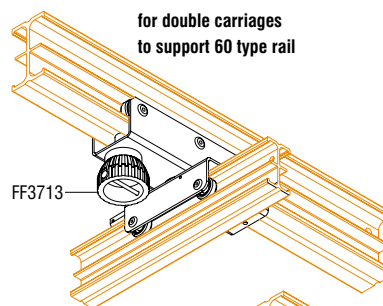
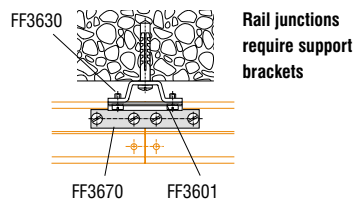
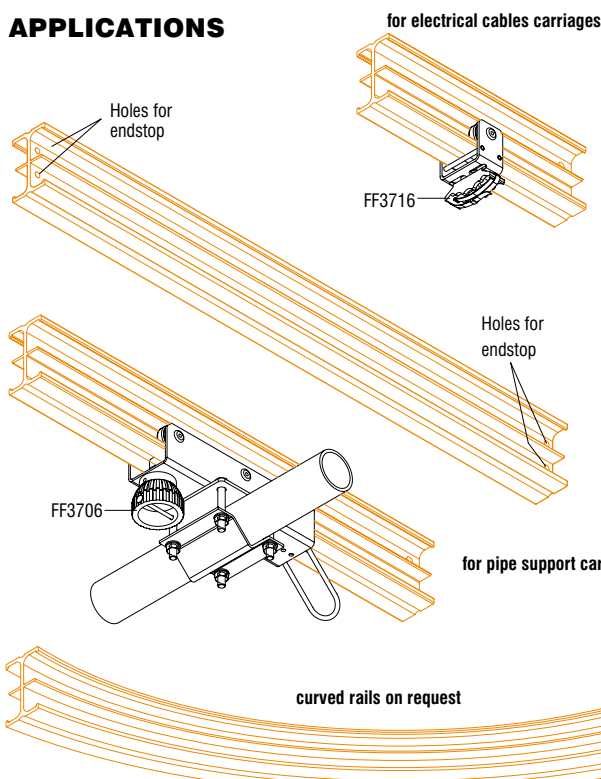


	FF8003	FF8004	FF8005	
W width:	mm	3000	4000	5000
	inch	118 1/8	157 15/32	196 27/32
weight:	kg	7,50	10,00	12,50
	lb	16,53	22,05	27,56
volume:	cu m	0,012	0,016	0,02
	cu ft	0,039	0,052	0,066
weight:	kg	7,5	10,00	12,50
	lb	16,53	22,05	27,56



scale 1:5

APPLICATIONS



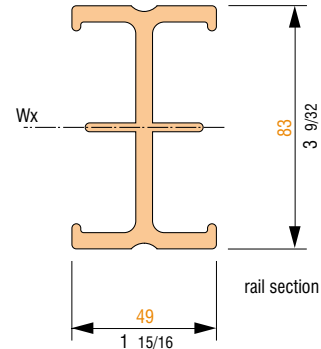
Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch.
 IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

Rails 80 - anchorage points

The spacing of rail brackets depends on the maximum load on the rail itself, but should generally be in accordance with the table below.

Example for A1 (distance between two support brackets) equals 3m (118 1/8"), the maximum load P1 equals 100kg (220lb)

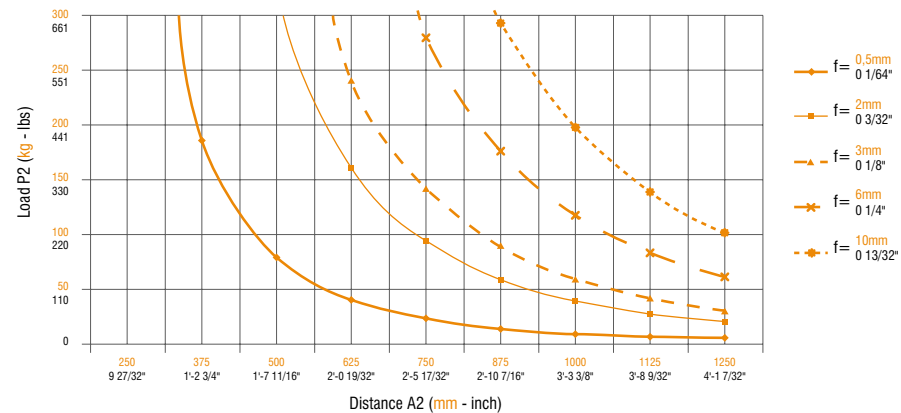
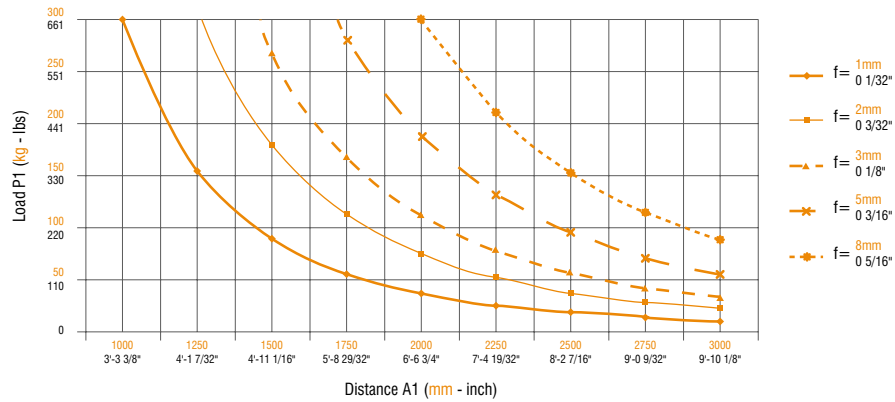
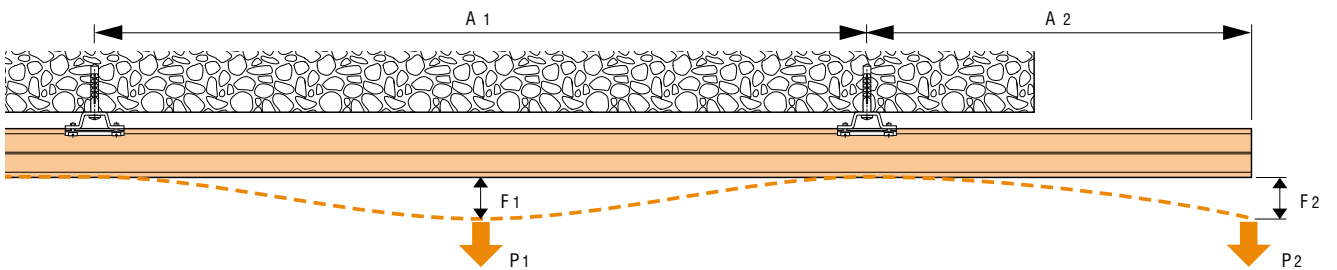
To avoid sag due to point loads between two support points the spacing between two brackets should not exceed 2m (78 3/4")



weight: 2,50 kg/m linear
1,68 lb/ft linear

section modulus Wx: 21433 cu mm
1,307 cu inch

1



Attention Graphics are calculated for static loads. For application that foreseen loads over 200kg/441lbs and sagging over 3mm/1/8" please consult our thecnal office

Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch. IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

Rails 50 curved 90°

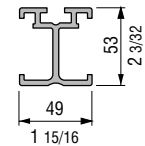
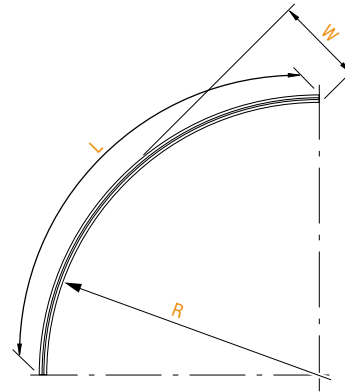
- FF50R135: radius 1350mm – 53 5/32"
- FF50R150: radius 1500mm – 59 1/16"
- FF50R165: radius 1650mm – 64 31/32"
- FF50R180: radius 1800mm – 70 7/8"
- FF50R195: radius 1950mm – 76 25/32"
- FF50R210: radius 2100mm – 82 11/16"
- FF50R225: radius 2250mm – 88 19/32"
- FF50R240: radius 2400mm – 94 1/2"
- FF50R255: radius 2550mm – 100 13/32"
- FF50R270: radius 2700mm – 106 5/16"
- FF50R285: radius 2850mm – 112 3/16"
- FF50R300: radius 3000mm – 118 1/8"



material: aluminium



finish: silver



Special curved rails available on request

	FF50R135	FF50R150	FF50R165	FF50R180	FF50R195	FF50R210
--	----------	----------	----------	----------	----------	----------

R radius:	mm	1350	1500	1650	1800	1950	2100
	inch	53 5/32	59 1/16	64 31/32	70 7/8	76 25/32	82 11/16
L length:	mm	2121	2357	2542	2828	3063	3299
	inch	6 - 11 1/2	7 - 8 25/32	8 - 4 3/32	9 - 3 11/32	10 - 0 19/32	10 - 9 7/8
W width:	mm	395	439	483	527	571	615
	inch	15 5/8	17 1/4	19	20 3/4	22 3/8	24 1/4
weight:	kg	3,82	4,25	4,67	5,10	5,52	5,94
	lb	8,4	9,36	10,3	11,23	12,16	13,105
volume:	cu m	0,04	0,05	0,06	0,071	0,083	0,097
	cu ft	1,41	1,77	2,12	2,5	2,93	3,42
weight:	kg	3,82	4,25	4,67	5,10	5,52	5,94
	lb	8,4	9,36	10,3	11,23	12,16	13,105

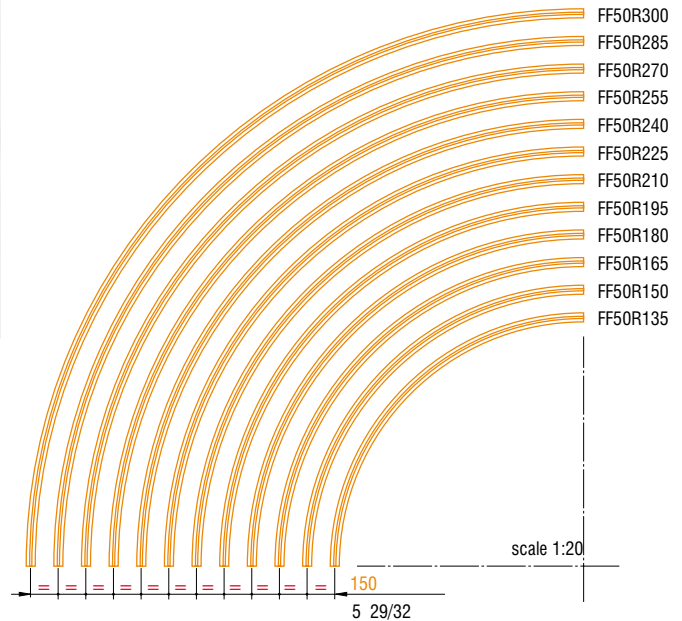
	FF50R225	FF50R240	FF50R255	FF50R270	FF50R285	FF50R300
--	----------	----------	----------	----------	----------	----------

R radius:	mm	2250	2400	2550	2700	2850	3000
	inch	88 19/32	94 1/2	100 13/32	106 5/16	112 3/16	118 1/8
L length:	mm	3535	3770	4006	4242	4477	4713
	inch	11 - 7 3/16	12 - 4 7/16	13 - 1 23/32	13 - 11	14 - 8 1/4	15 - 5 9/16
W width:	mm	659	702	746	790	834	878
	inch	26	27 5/8	29 3/8	31 1/8	32 3/4	34 2/4
weight:	kg	6,37	6,79	7,22	7,64	8,07	8,49
	lb	14,041	14,97	15,91	16,84	17,78	18,72
volume:	cu m	0,111	0,126	0,146	0,16	0,18	0,197
	cu ft	3,91	4,496	5,156	5,65	6,356	6,956
weight:	kg	6,37	6,79	7,22	7,64	8,07	8,49
	lb	14,041	14,97	15,91	16,84	17,78	18,72

Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch.
IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

Rails 50 curved 90°

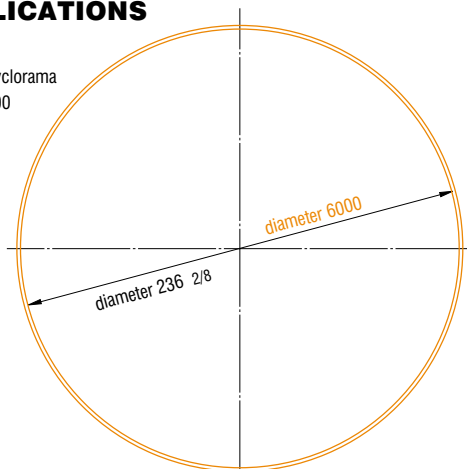
Curved rails are in several standard radius available (see page 14)



1

APPLICATIONS

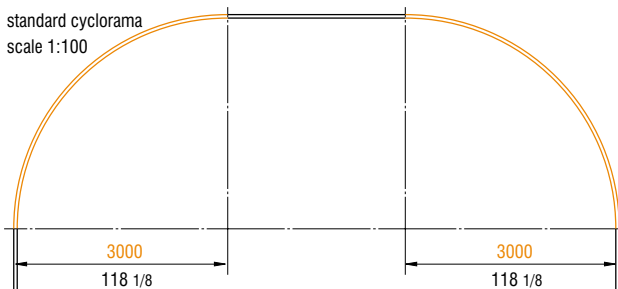
circular cyclorama
scale 1:100



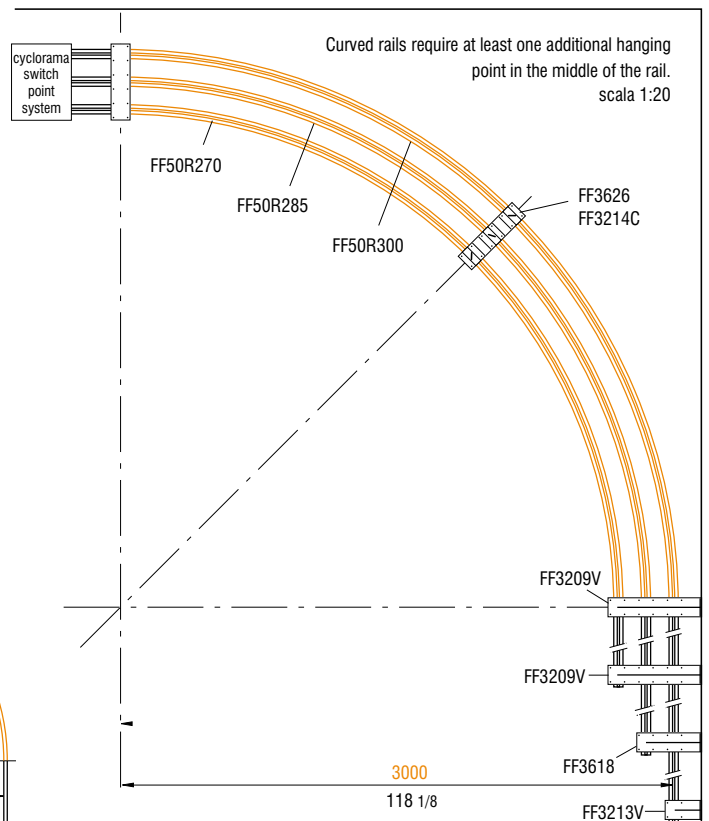
semicircular cyclorama
scale 1:100



standard cyclorama
scale 1:100



EXAMPLE WITH 3 CYCLORAMA RAILS



Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch. **IMPORTANT:** installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

Rails 60 curved 90°

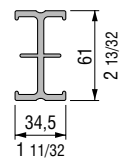
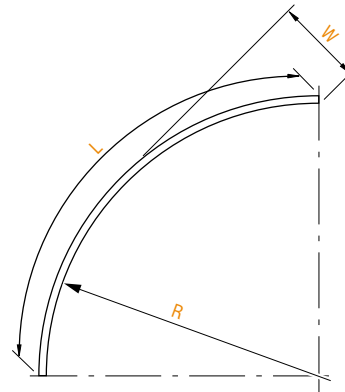
- FF60R105: radius 1050mm – 41 11/32"
- FF60R120: radius 1200mm – 47 1/4"
- FF60R135: radius 1350mm – 53 5/32"
- FF60R150: radius 1500mm – 59 1/16"
- FF60R165: radius 1650mm – 64 31/32"
- FF60R180: radius 1800mm – 70 7/8"



material: aluminium



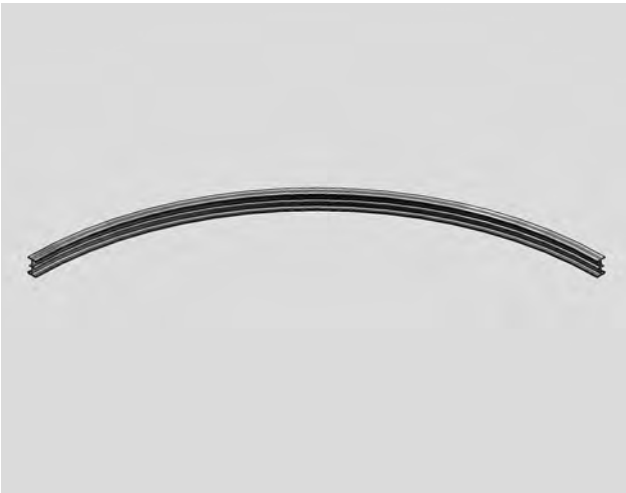
finish: silver



1

		FF60R105	FF60R120	FF60R135	FF60R150	FF60R165	FF60R180
R radius:	mm	1050	1200	1350	1500	1650	1800
	inch	41 11/32	47 1/4	53 5/32	59 1/16	64 31/32	70 7/8
L length:	mm	1650	1885	2121	2357	2542	2828
	inch	5 - 4 31/32	6 - 2 7/32	6 - 11 1/2	7 - 8 25/32	8 - 4 3/32	9 - 3 11/32
W width:	mm	307	351	395	439	483	527
	inch	12 1/8	13 3/4	15 1/2	17 1/4	19	20
weight:	kg	2,24	2,56	2,88	3,2	3,52	3,85
	lb	5	5,7	6,4	7	7,8	8,5
volume:	cu m	0,027	0,036	0,046	0,057	0,069	0,08
	cu ft	0,953	1,271	1,624	2,01	2,43	2,82
weight:	kg	2,24	2,56	2,88	3,2	3,52	3,85
	lb	5	5,7	6,4	7	7,8	8,5

Rails 60 curved 90°

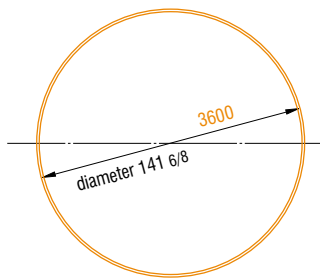


Curved rails are in several standard radius available (see page 14).

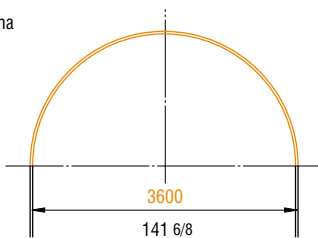
1

APPLICATIONS

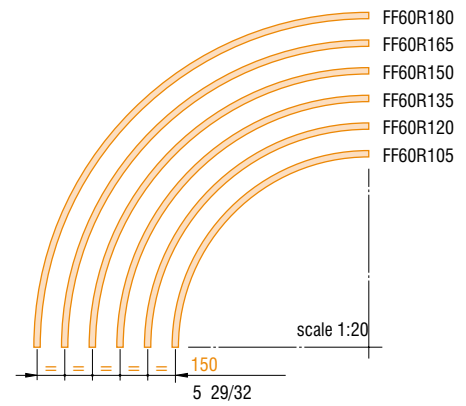
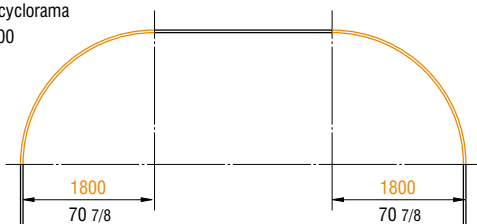
circular cyclorama
scale 1:100



semicircular cyclorama
scale 1:100

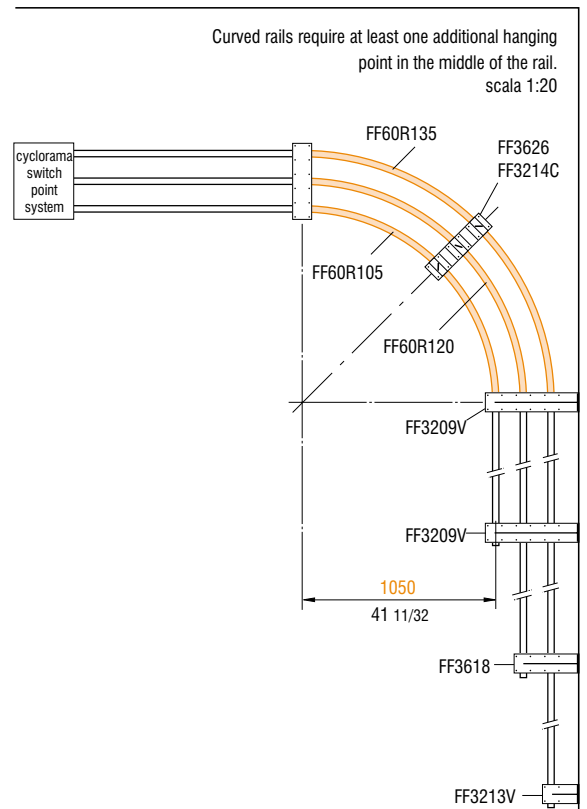


standard cyclorama
scale 1:100



















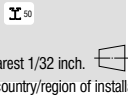



EXAMPLE WITH 3 CYCLORAMA RAILS


Curved rails require at least one additional hanging point in the middle of the rail.
scale 1:20



To ensure the rails are joined safely and perfectly a selection of close fitting alignment connectors are provided.

QUICK SELECTION GUIDE

PRODUCT	CODE	DESCRIPTION	APPLICATION	DATAS	PAGE
	FF3208	Alignment connector		 0,084kg/0,185lb  0,0004m/0,0141ft  0,90kg/0,198lb	2.30
	FF3670	Alignment connector		 0,294kg/0,648lb  0,0004m/0,0141ft  0,300kg/0,661lb	2.40
	FF3673	Alignment connector		 0,264kg/0,582lb  0,0007m/0,0247ft  0,275kg/0,606lb	2.50
	FF3673C	Alignment connector for curved rails		 0,254kg/0,560b  0,0007m/0,0247ft  0,265kg/0,584lb	2.60

Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch. 
IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3208

60

Alignment connector

Two steel plates to connect rails end to end. Hardware included
Not suitable for moving rails.

material: steel

finish: white zinc plated

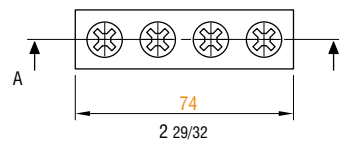
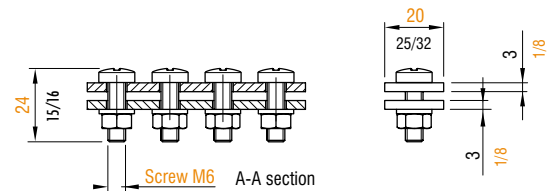
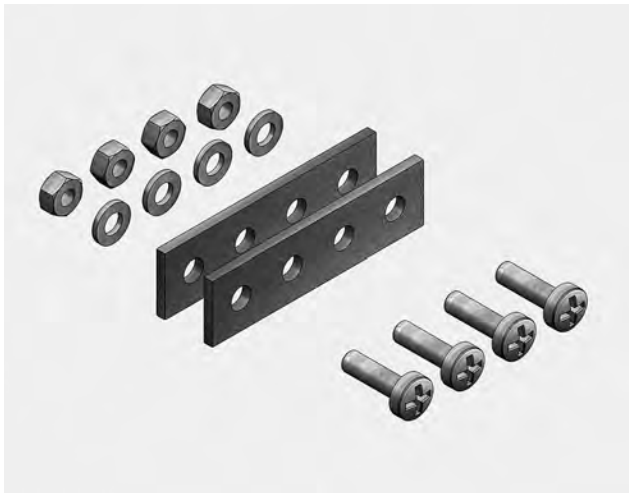
weight: 0,084 kg
0,185 lb

volume: 0,0004 cu m
0,0141 cu ft

max. load: NA

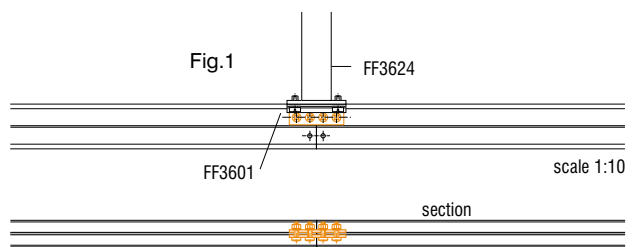
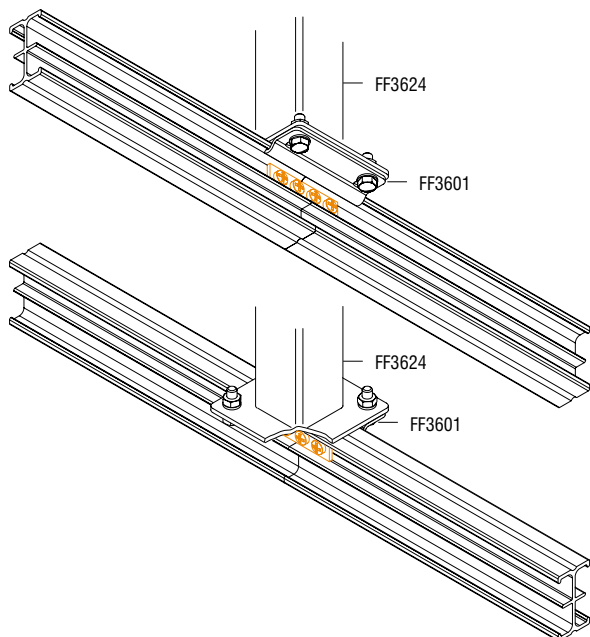
weight: 0,090 kg
0,198 lb

2



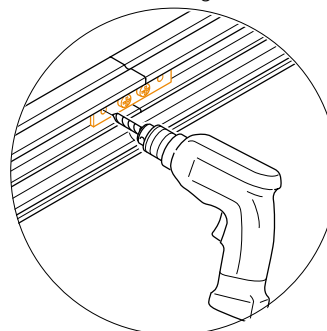
scale 1:2,5

APPLICATIONS



JUNCTION OF TWO FIXED STRAIGHT OR CURVED RAILS

Place one alignment connector on each side of the rail junction. Make sure that the two center holes of the alignment connector line up with the existing holes in the rails. Use the enclosed bolts to assemble the joint. Line up the rails properly before drilling 2 additional holes (Ø 7mm 2/8). Use the two remaining bolts to secure the joint.



IMPORTANT: Don't place the alignment connectors in the lower section of the rail where the carriages run.

IMPORTANT: Use always a support bracket at a rail junction (fig. 1).

Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch.
IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3670



Alignment connector

Two steel plates to connect rails end to end. Hardware included
Not suitable for moving rails.



material: steel



finish: white zinc plated



weight: 0,294 kg
0,648 lb



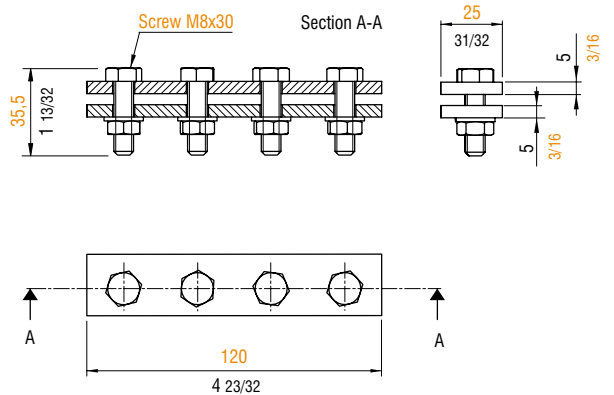
volume: 0,0004 cu m
0,0141 cu ft



max. load: NA

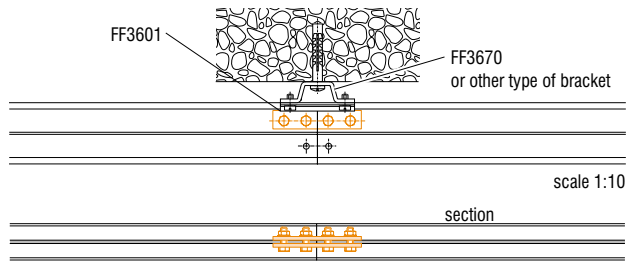
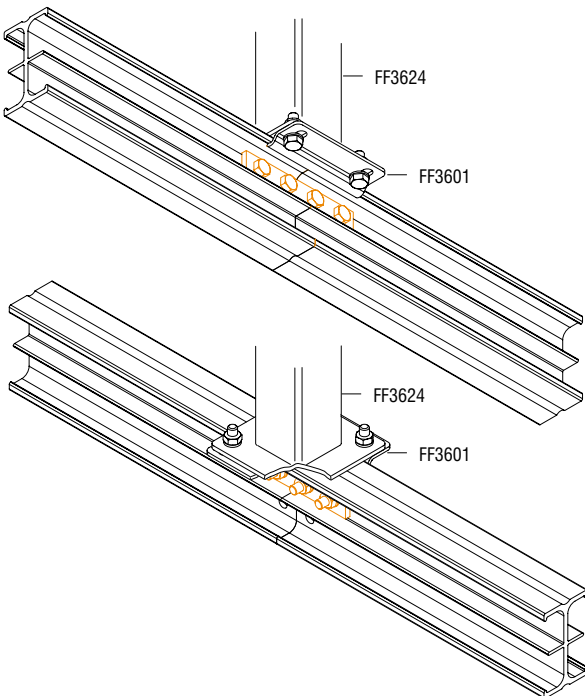


weight: 0,300 kg
0,661 lb



scale 1:3

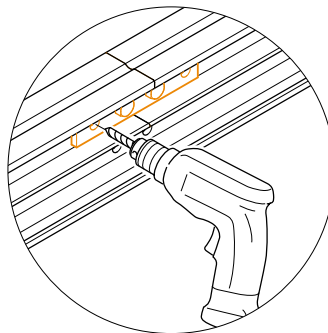
APPLICATIONS



scale 1:10

JUNCTION OF TWO FIXED STRAIGHT OR CURVED RAILS

Place one alignment connector on each side of the rail junction. Make sure that the two center holes of the alignment connector line up with the existing holes in the rails. Use the enclosed bolts to assemble the joint. Line up the rails properly before drilling 2 additional holes (Ø 7mm 2/8). Use the two remaining bolts to secure the joint.



IMPORTANT: Don't place the alignment connectors in the lower section of the rail where the carriages run.

IMPORTANT: Use always a support bracket at a rail junction fig. 1).

FF3673



Alignment connector

Two steel plates to connect straight rails end to end. Hardware included.

material: steel

finish: white zinc plated

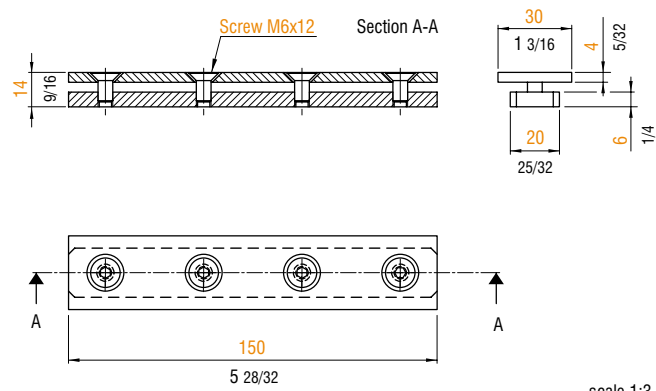
weight: 0,264 kg
0,582 lb

volume: 0,0007 cu m
0,0247 cu ft

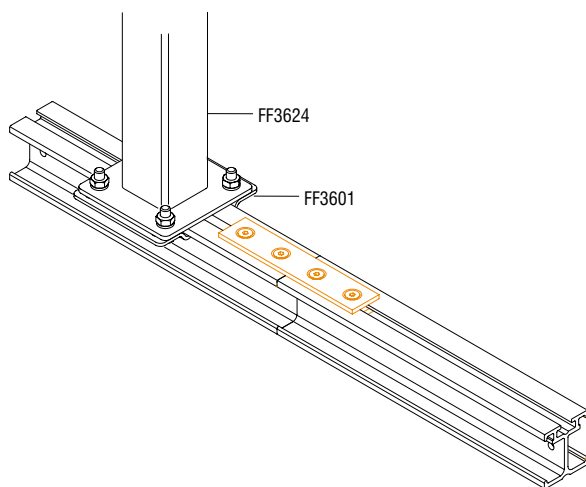
max. load: NA

weight: 0,275 kg
0,606 lb

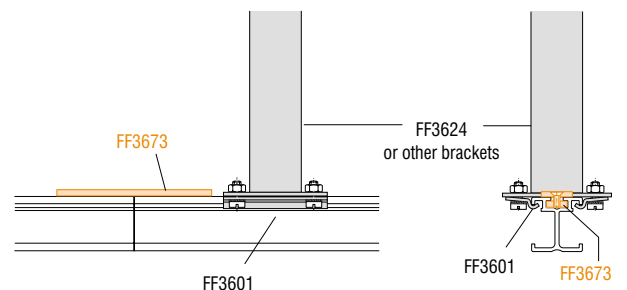
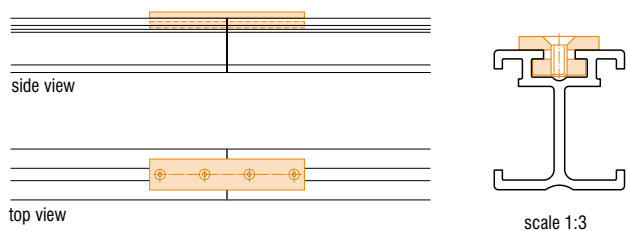
2



APPLICATIONS



It is suggested to position the joint close to the supports (such as wall brackets, ceiling fixing, etc.)



Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch.
IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3673C



Alignment connector for curved rails

Two steel plates to connect 2 curved rails or a curved rail and a straight rail end to end. Hardware included.



material: steel



finish: white zinc plated



weight: 0,254 kg
0,560 lb



volume: 0,0007 cu m
0,0247 cu ft

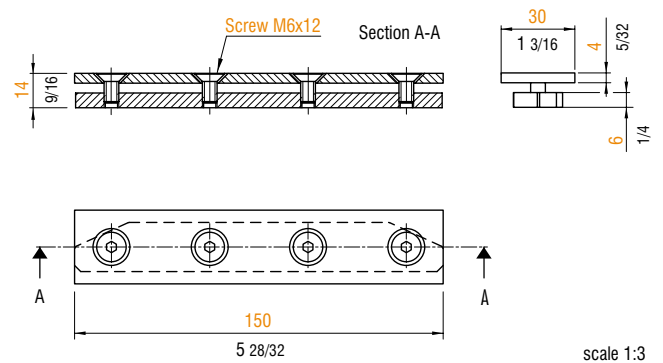


max. load: NA

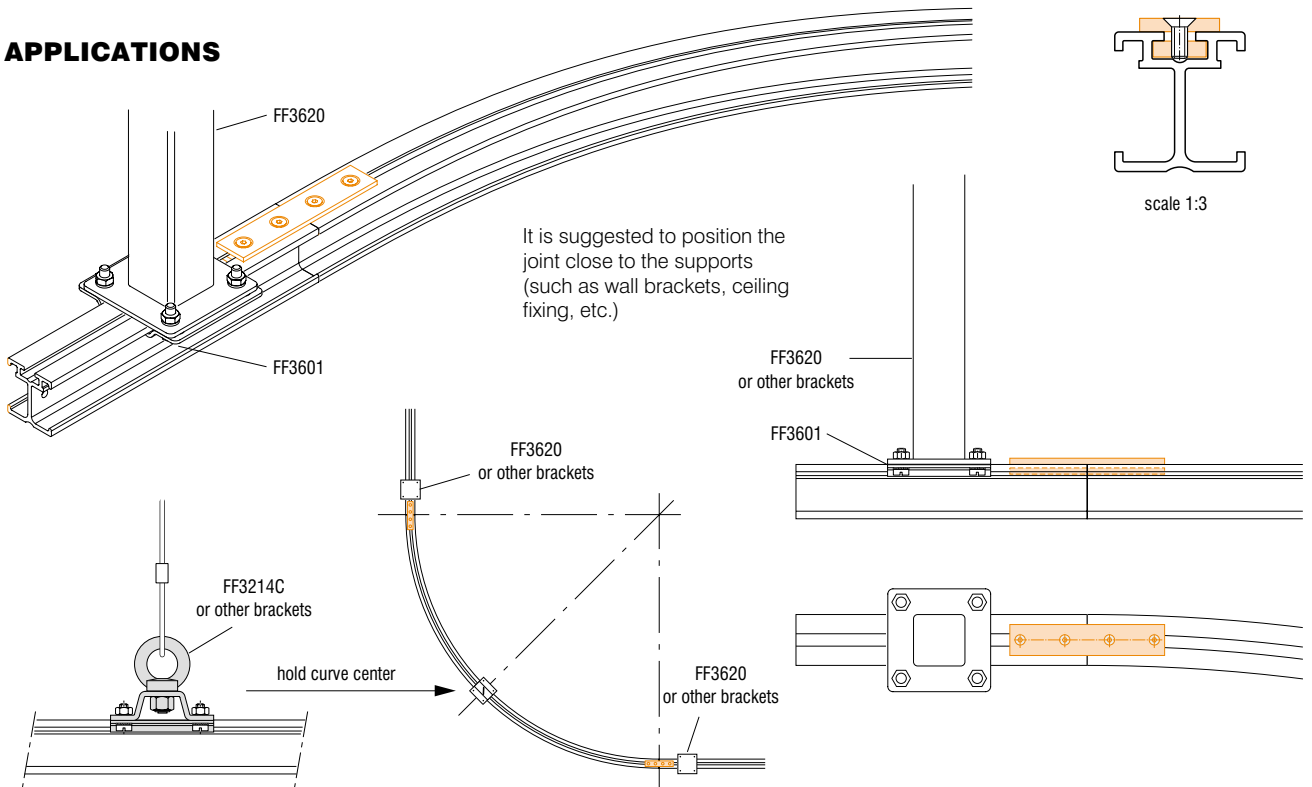


weight: 0,265 kg
0,584 lb

2
























APPLICATIONS





Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch. IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

Safety is a prime consideration for any installation and the use of end stops ensures that rails and carriages cannot be moved beyond the end of a rail and fall. The inclusion of cable management brackets into the end stops provides a sensible and tidy method for cable distribution.

QUICK SELECTION GUIDE

PRODUCT	CODE	DESCRIPTION	APPLICATION	DATAS	PAGE
	FF3661	End stop (kit of 4)	 	 0,052kg/0,115lb  0,0004m/0,0141ft  0,052kg/0,115lb	3.30
	FF3660	End stop		 0,118kg/0,7260lb  0,0008m/0,0283ft  0,125kg/0,275lb	3.40
	FF3664	End stop with 4 cable ties		 0,290kg/0,639lb  0,0008m/0,0283ft  0,290kg/0,639lb	3.50
	FF3665	End stop with flat cable holder		 0,400kg/0,882lb  0,0008m/0,0283ft  0,405kg/0,892lb	3.60

Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch.  
 IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.


FF3661

50

60


End stop (kit of 4)


Mount the end stops in the holes at the end of each rail to prevent carriages leaving the rail.

 material: black plastic

 finish: NA

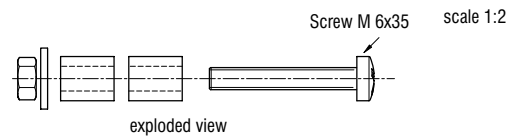
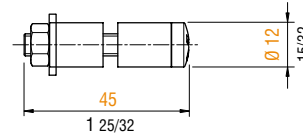
 weight: 0,052 kg
0,115 lb

 volume: 0,0004 cu m
0,0141 cu ft

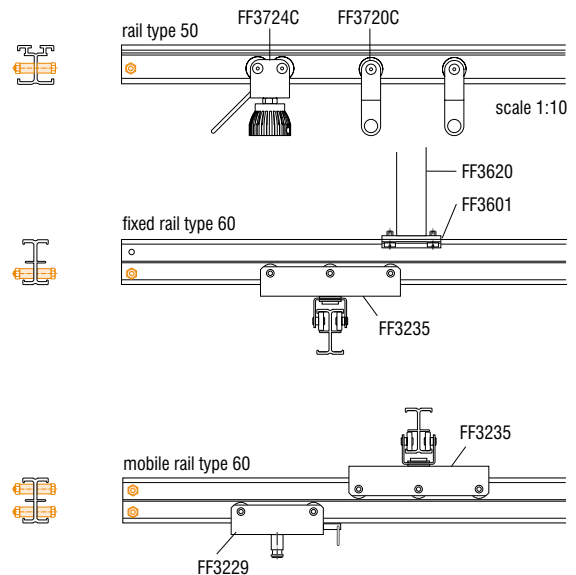
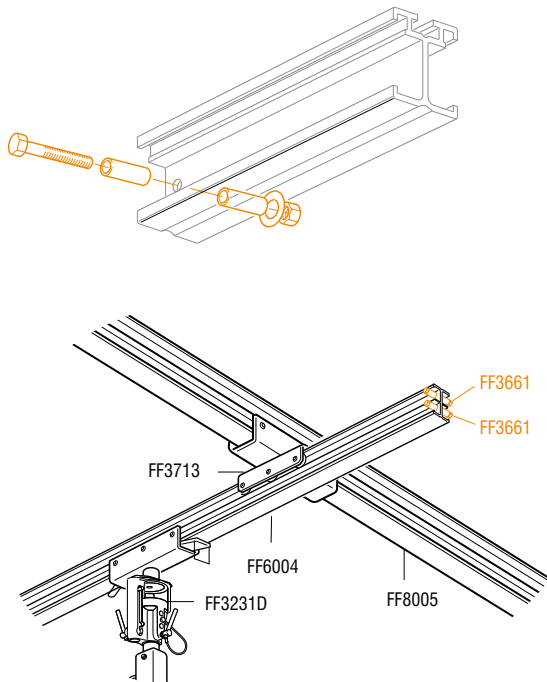
 max. load: NA

 weight: 0,052 kg
0,115 lb


3



APPLICATIONS



End stops are required on both ends of all rails whether fixed or mobile to prevent carriages leaving the rail. They are mounted into the holes at the rail end after all carriages have been mounted.

Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch.  **IMPORTANT:** installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3660



End Stop

Mount the end stops in the holes at the end of each rail to prevent carriages leaving the rail and to prevent moving rails leaving their carriages.

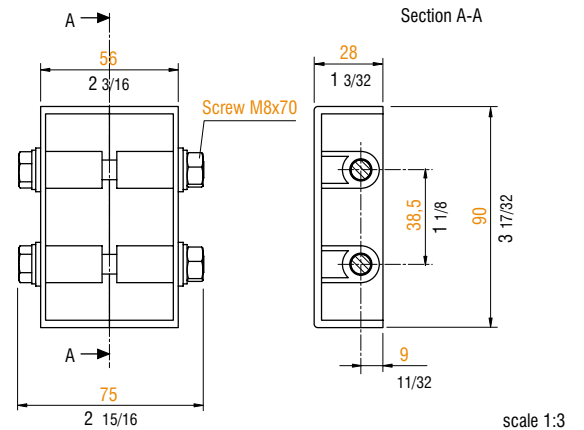
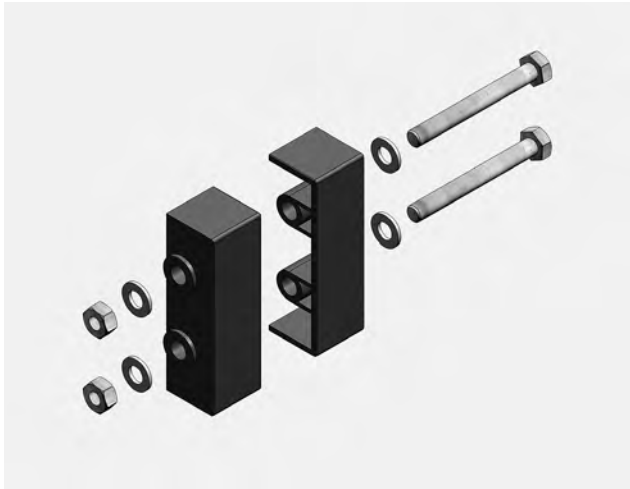
material: plastic black

finish: NA

weight: 0,118 kg
0,258 lb

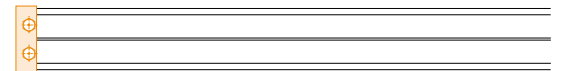
volume: 0,0008 cu m
0,0283 cu ft

weight: 0,125 kg
0,275 lb

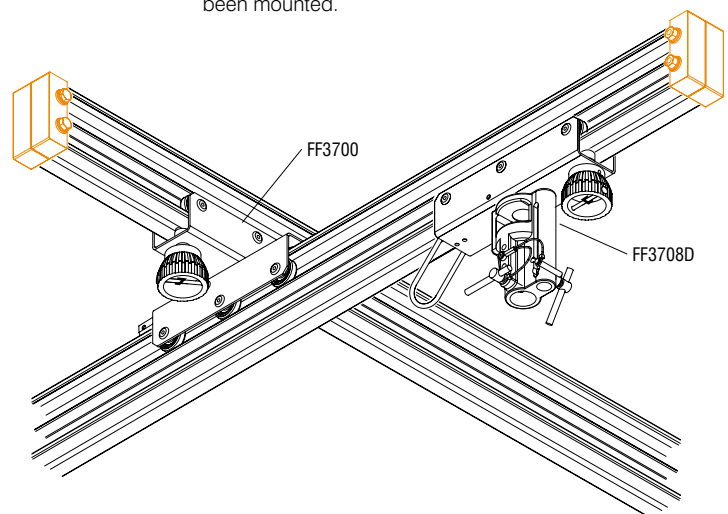
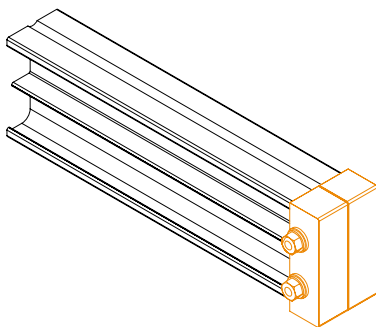


3

APPLICATIONS



End stops are required on both ends of all rails whether fixed or mobile to prevent carriages leaving the rail. They are mounted into the holes at the rail end after all carriages have been mounted.



Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch.
IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3664



End stop with 4 cable ties

End stop for trailing cable system. Mount in the holes at the end of the rail to prevent carriages leaving the rail and for strain relief of the power cable.

material: main body: black plastic
part: steel

finish: main body: black
part: black painted

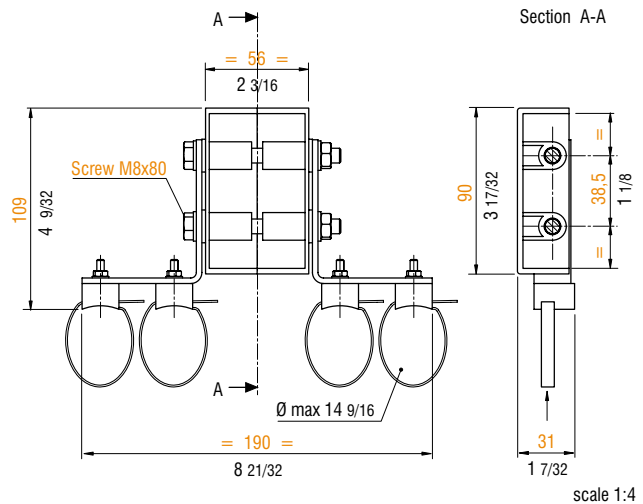
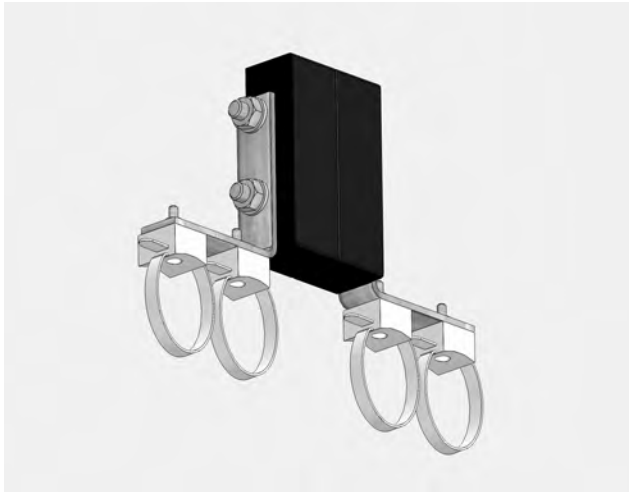
weight: 0,290 kg
0,639 lb

volume: 0,0008 cu m
0,0283 cu ft

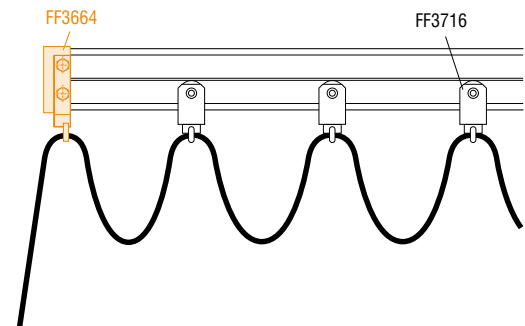
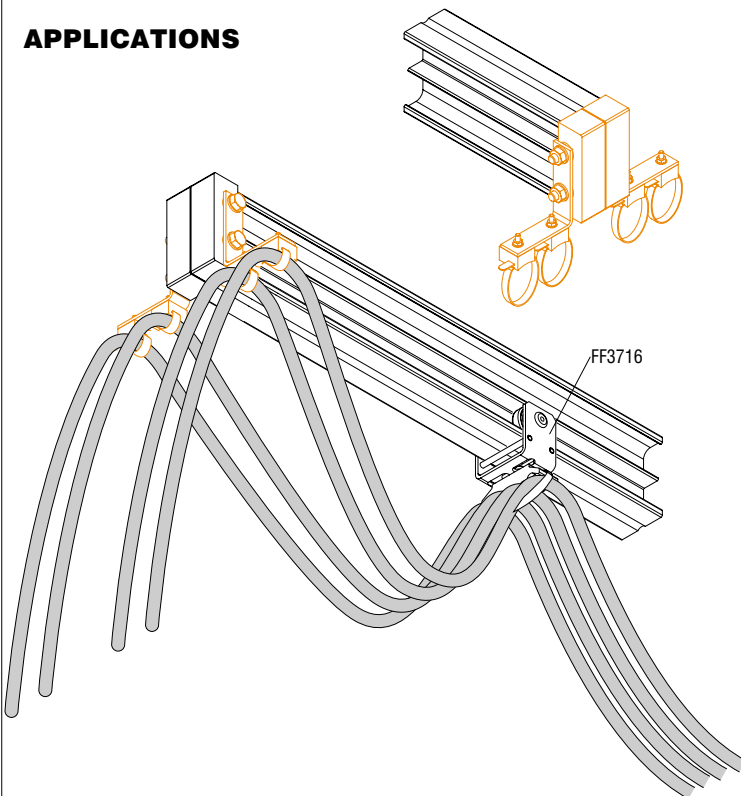
max. load: NA

weight: 0,290 kg
0,639 lb

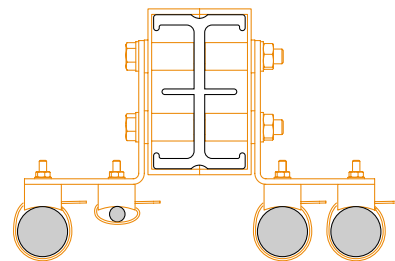
3



APPLICATIONS



Item FF3664 holds the cable in position and function as endstop for the cable carriages.



Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch.
IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3665



End stop with flat cable holder

Adjustable bracket to mount IFF rails, pipes or steel beams onto uneven ceiling structures.



material: main body: steel
part: plastic



finish: main body: grey powder coating with "orange peel" RAL 7016
part: tropicalized



weight: 0,400 kg
0,882 lb



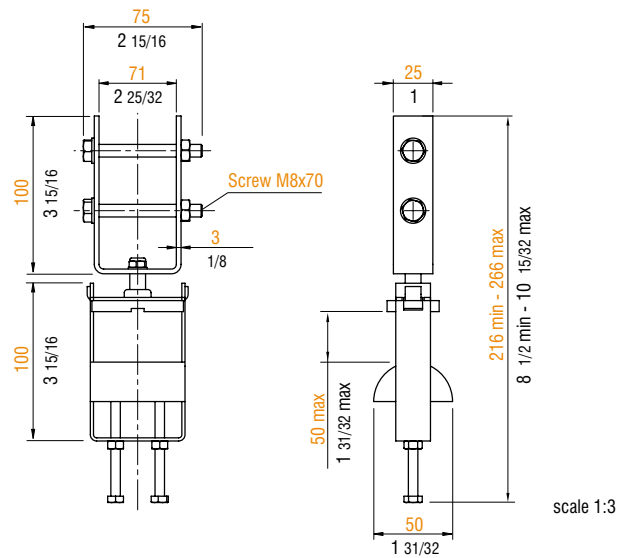
volume: 0,0008 cu m
0,0283 cu ft



max. load: NA

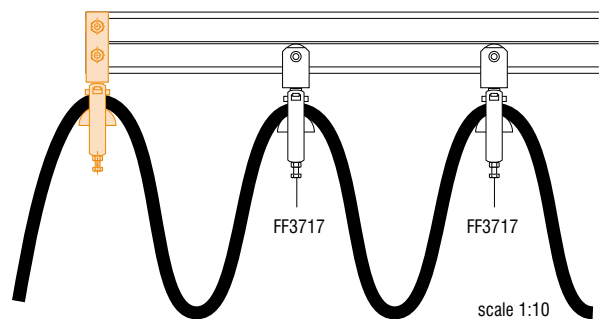
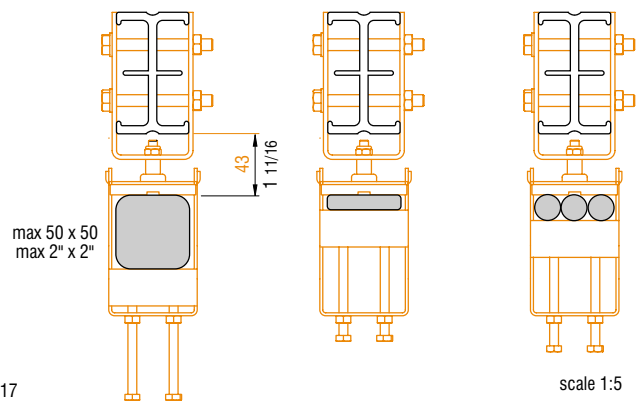
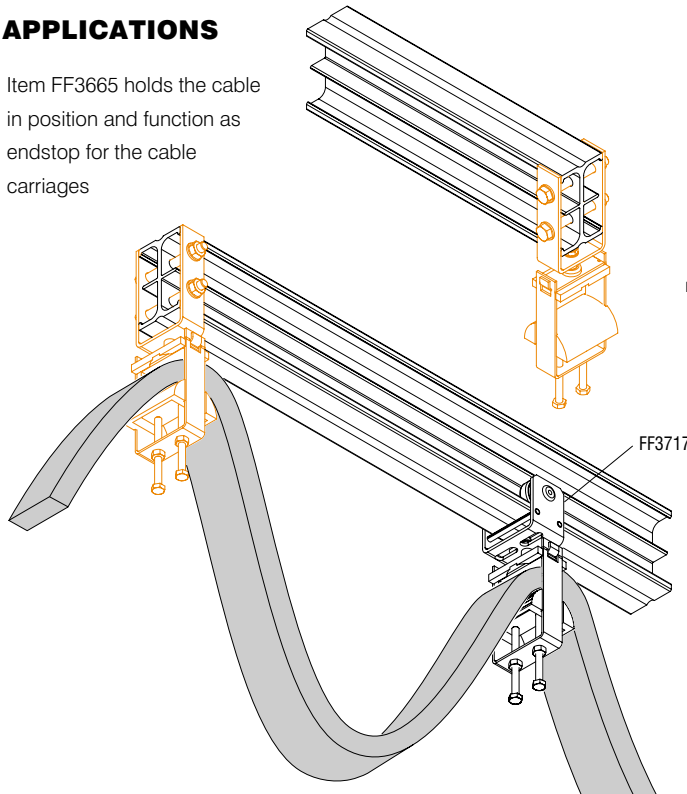


weight: 0,405 kg
0,892 lb



APPLICATIONS

Item FF3665 holds the cable in position and function as endstop for the cable carriages


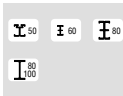









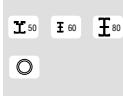




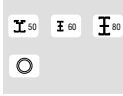




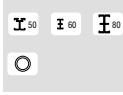




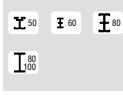




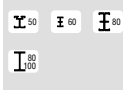




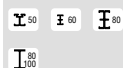






Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch.
IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

In order to fix the rails to the studio structure a comprehensive selection of brackets have been designed.


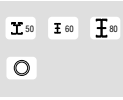




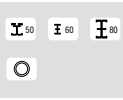









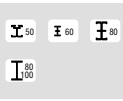




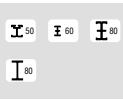




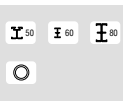




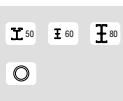




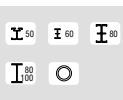









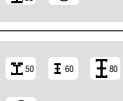




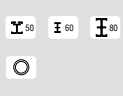




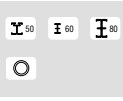




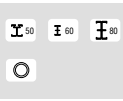




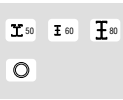




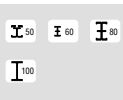













Often it is the case that a combination of two or more brackets will provide the solution to almost any installation.


QUICK SELECTION GUIDE

PRODUCT	CODE	DESCRIPTION	APPLICATION	DATAS	PAGE
	FF3601	Rail clamps		 0,248kg/0,547lb  0,0004m/0,0141ft  0,248kg/0,547lb	4.30
	FF3605	Pipe clamp		 0,360kg/0,794lb  0,0008m/0,0283ft  0,360kg/0,794lb	4.40
	FF3213V	Wall bracket for 1 rails		 0,760kg/1,676lb  0,0050m/0,1767ft  0,800kg/1,762lb	4.50
	FF3618	Wall bracket for 2 rails		 2,181kg/4,807lb  0,008m/0,283ft  1,350kg/2,974lb	4.60
	FF3209V	Wall bracket for 3 rails		 2,181kg/4,808lb  0,0015m/0,530ft  2,20kg/4,85lb	4.70
	FF3628	Base plate		 0,300kg/0,661lb  0,0008m/0,0283ft  0,300kg/0,661lb	4.80
	FF3627	Specer for 2 rails		 0,954kg/2,103lb  0,0003m/0,0106ft  0,950kg/2,093lb	4.90
	FF3626	Spacer bracket for up to 3 rails		 1,550kg/3,416lb  0,0004m/0,0141ft  1,550kg/3,416lb	4.100

Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch. 

IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

PRODUCT	CODE	DESCRIPTION	APPLICATION	DATAS	PAGE
	FF3630	Ceiling bracket		 0,330kg/0,727lb  0,0050m/0,176ft  0,330kg/0,727lb	4.110
	FF3214C	Ceiling bracket with eye hook		 0,400kg/0,882lb  0,0008m/0,0283ft  0,400kg/0,882lb	4.120
	FF3210	Ceiling bracket		 0,208kg/0,458lb  0,0004m/0,0141ft  0,208kg/0,458lb	4.130
	FF3672	Double bracket for rail crossing		 0,725kg/1,598lb  0,0008m/0,0283ft  0,730kg/1,608lb	4.140
	FF3674	Flat adapter bracket for IFF rail system to "I"beams		 2,070kg/4,562lb  0,0020m/0,0707ft  2,090kg/4,609lb	4.150
	FF3614	Adapter bracket for "I" beam to IFF rail system		 1,108kg/2,442lb  0,0020m/0,0707ft  1,450kg/3,194lb	4.160
	FF3614R	Adapter bracket for "I" beam to IFF rail system		 NA  NA  NA	4.170
	FF3620	Extension bracket 35cm length		 4,610kg/3,548lb  0,0040m/0,1413ft  1,800kg/3,965lb	4.180
	FF3624	Extension bracket 65cm length		 2,500kg/5,510lb  0,0075m/0,2650ft  2,600kg/5,727lb	4.180
	FF3625	Extension bracket. Length on request		 NA  NA  NA	4.180
	FF3616	Extension bracket for variable heights		 1,306kg/2,878lb  0,0020m/0,0707ft  1,350kg/2,974lb	4.190
	FF3612	Ajustable bracket		 1,110kg/2,446lb  0,0020m/0,0707ft  1,500kg/3,304lb	4.200
	FF3632	Threaded rod (M12) 1m long		 0,796kg/1,754lb  0,0004m/0,0141ft  0,796kg/1,754lb	4.210
	FF3631	Rail bracket for threaded rods (M12)		 0,330kg/0,727lb  0,0040m/0,176ft  0,38kg/0,83lb	4.220
	FF3602	Clamp for pipe to rail connection		 0,878kg/1,935lb  0,0004m/0,0141ft  0,878kg/1,935lb	4.230
	FF3714	Bracket with clamps for pipes crossing		 0,912kg/2,010lb  0,0020m/0,0707ft  0,920kg/2,026lb	4.240
	FF3606	Ceiling bracket for pipes		 1,000kg/2,204lb  0,0075m/0,2650ft  1,050kg/2,313lb	4.250

Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch.  IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3601



Rail clamps

Rail clamp kit for IFF brackets. The kit includes 2 clamps and hardware to mount the clamps to IFF brackets. (M8 nuts and M8x25 bolts)



material: steel



finish: white zinc plated



weight: 0,248 kg
0,547 lb



volume: 0,0004 cu m
0,0141 cu ft

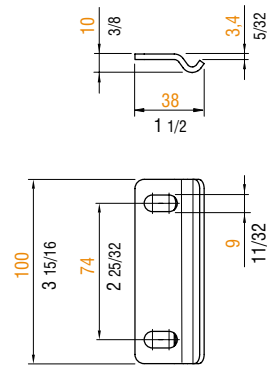


max. load: 200 kg
441 lb



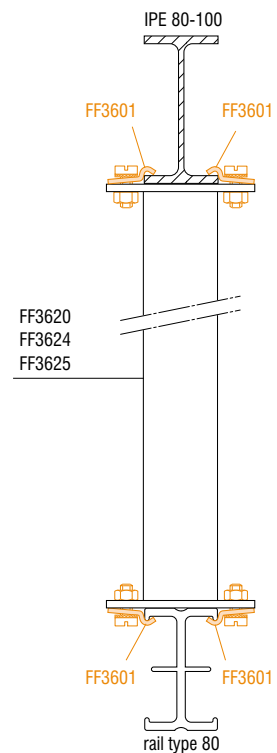
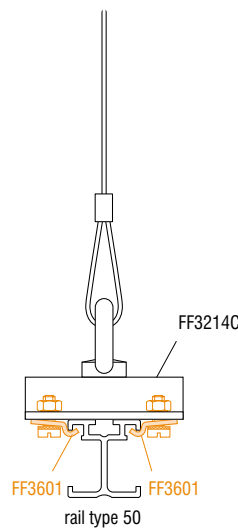
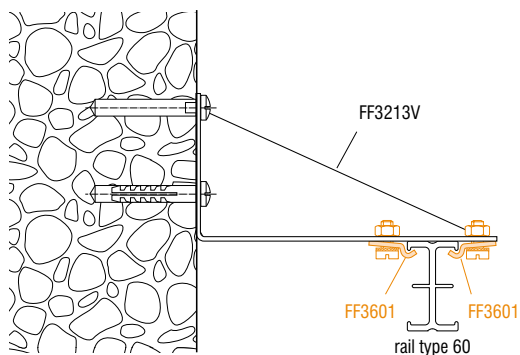
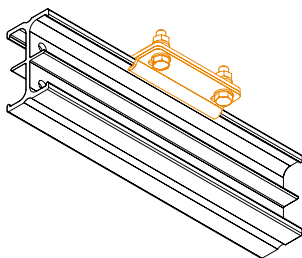
weight: 0,248 kg
0,547 lb

4



scale 1:4

APPLICATIONS



Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch.
IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3605



Pipe clamp

Hardware for installation included.

(4 sets of M8x60 bolts, nuts and washers)

Pipe clamp with hardware to mount pipes to brackets.



material: steel



finish: white zinc plated



weight: 0,360 kg
0,794 lb



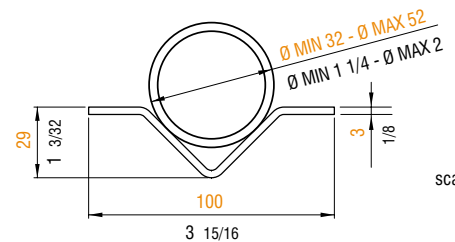
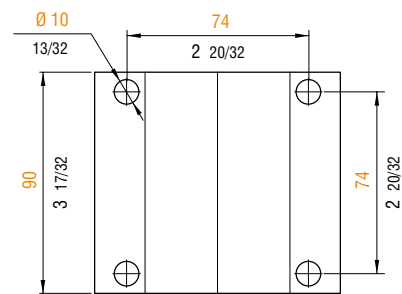
volume: 0,0008 cu m
0,0283 cu ft



max. load: 250 kg
551 lb

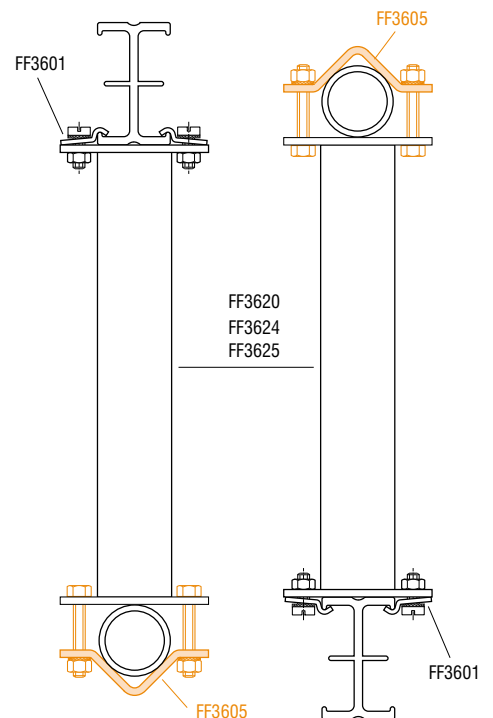
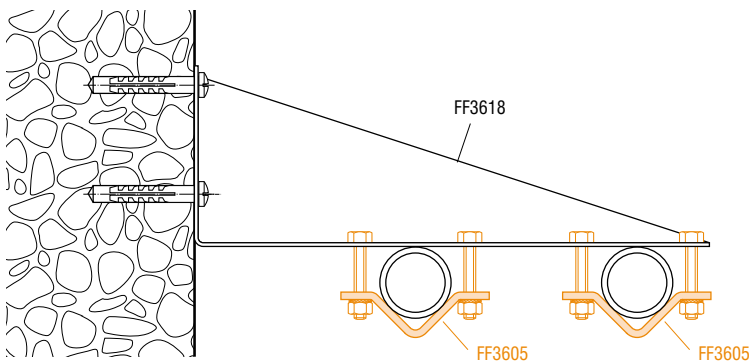
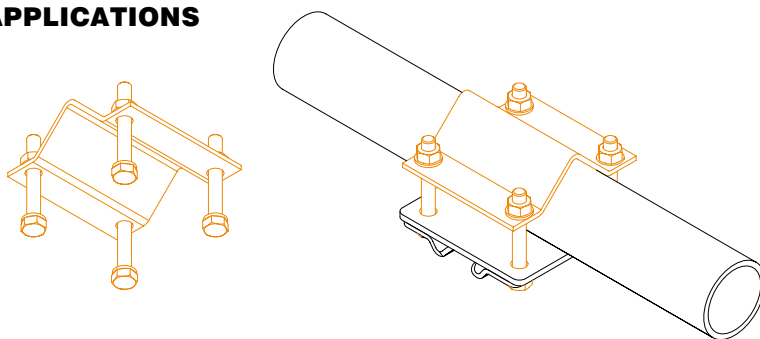


weight: 0,360 kg
0,794 lb



scale 1:3

APPLICATIONS



Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch.
IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3213V



Wall bracket for one rail

Clamps FF3601 not included and have to be ordered separately.
Hardware to install the bracket to the wall is not included.
Maximum load depends on mounting conditions.



material: steel



finish: grey powder coating with "orange peel" finish RAL 7016



weight: 0,760 kg
1,676 lb



volume: 0,0050 cu m
0,1767 cu ft

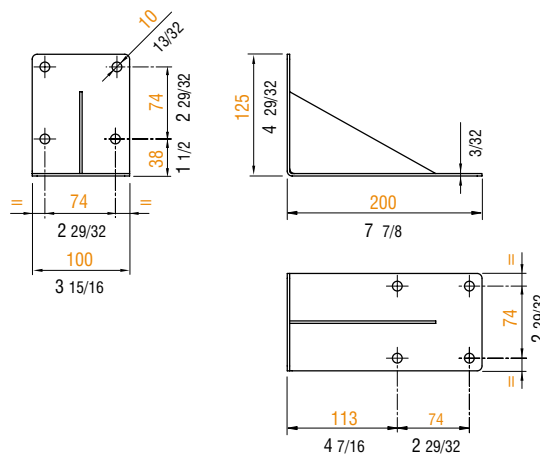
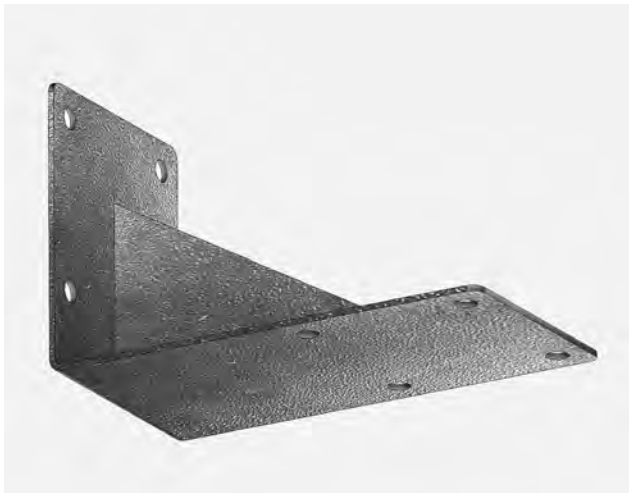


max. load: 200 kg
441 lb



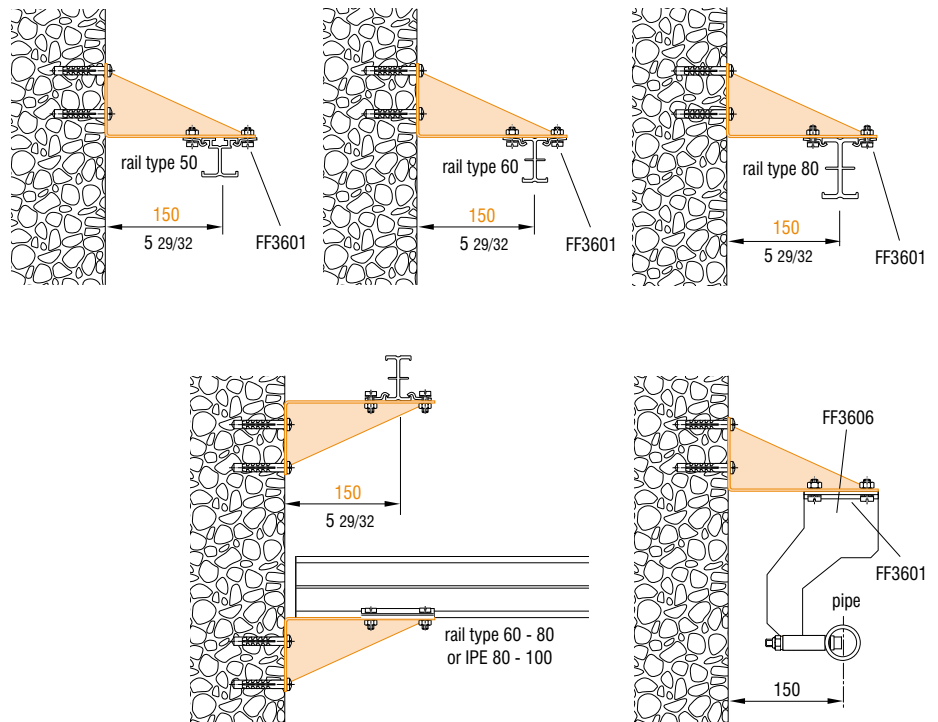
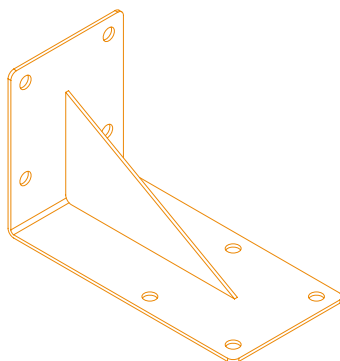
weight: 0,800 kg
1,762 lb

4



scale 1:7,5

APPLICATIONS



Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch.
IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3618



Wall bracket for 2 rails

Wall bracket for 2 parallel rails.
Clamps FF3601 not included and have to be ordered separately.
Hardware to install bracket to the wall is not included.
Maximum load depends on mounting conditions.



material: steel



finish: grey powder coating with "orange peel" finish RAL 7016



weight: 2,181 kg
4,807 lb



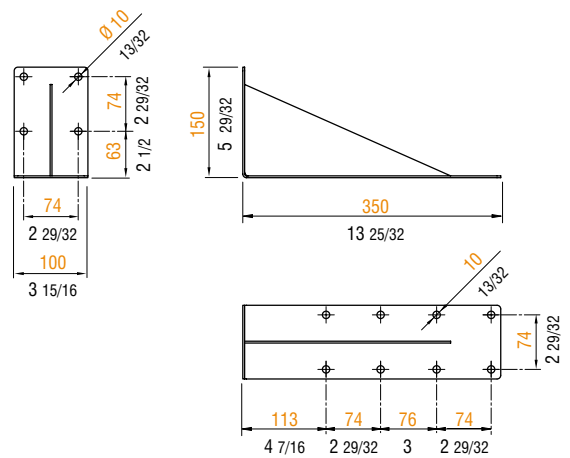
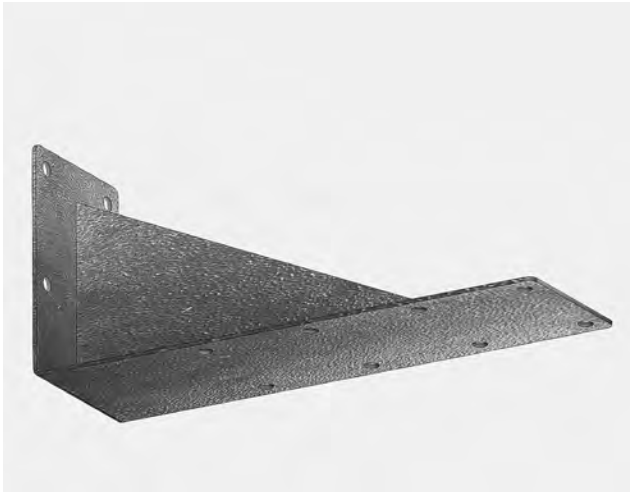
volume: 0,008 cu m
0,283 cu ft



max. load: 200 kg
441 lb

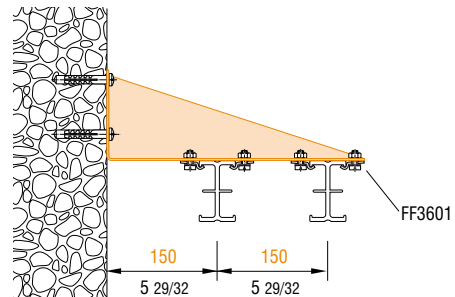
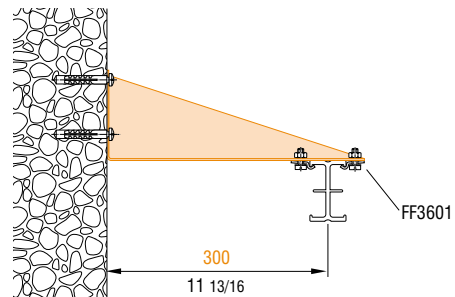
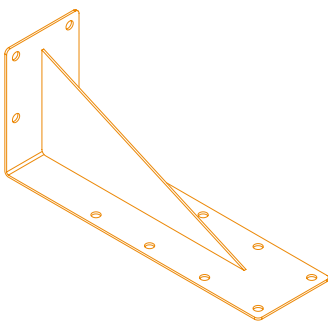


weight: 1,350 kg
2,974 lb



scale 1:10

APPLICATIONS



FF3209V



Wall bracket for 3 rails

Wall bracket for up to 3 parallel rails.
Clamps FF3601 not included and have to be ordered separately.
Hardware to install bracket to the wall is not included.
Maximum load depends on mounting conditions.



material: steel



finish: grey powder coating with "orange peel" finish RAL 7016



weight: 2,181 kg
4,808 lb



volume: 0,015 cu m
0,530 cu ft

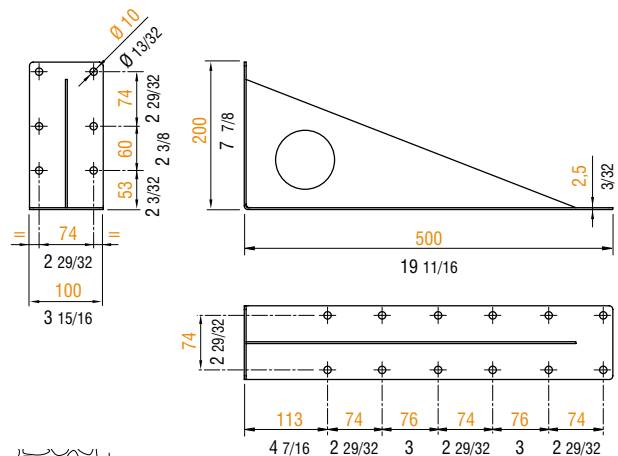
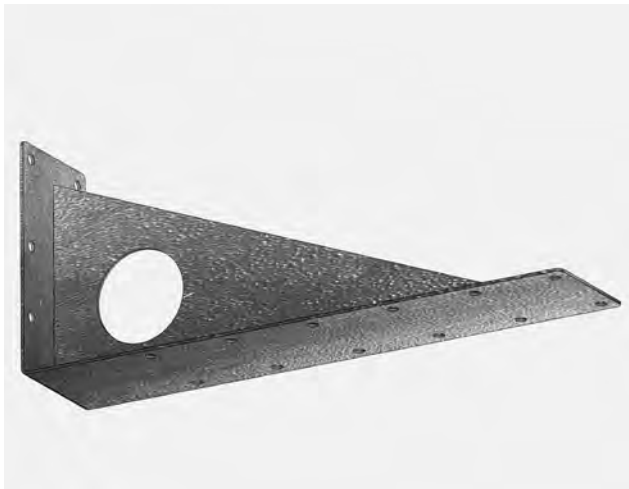


max. load: 200 kg
441 lb



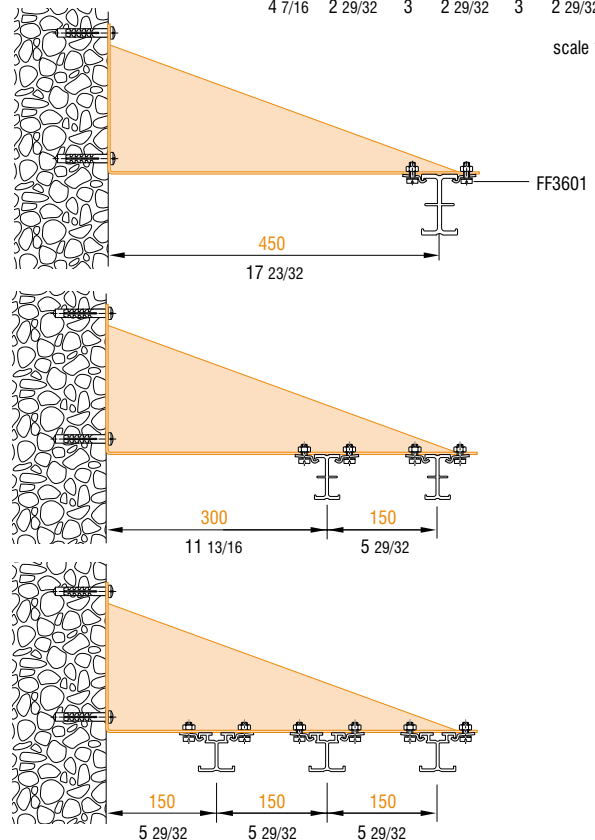
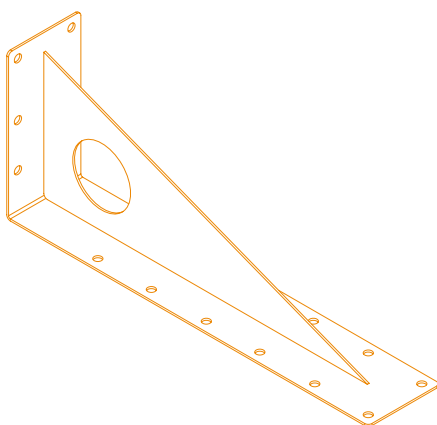
weight: 2,20 kg
4,85 lb

4



scale 1:10

APPLICATIONS



Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch. IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3628



Base plate

The Base Plate can be used to built your own bracket to guarantee a precise fit with the IFF standard brackets.



material: steel



finish: grey powder coating with "orange peel" finish RAL 7016



weight: 0,300 kg
0,661 lb



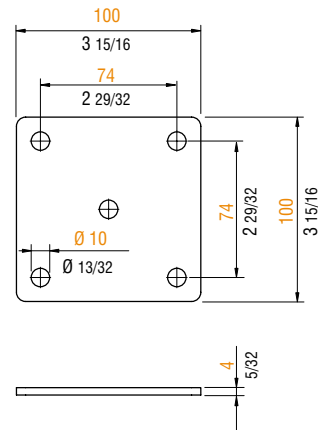
volume: 0,0008 cu m
0,0283 cu ft



max. load: NA

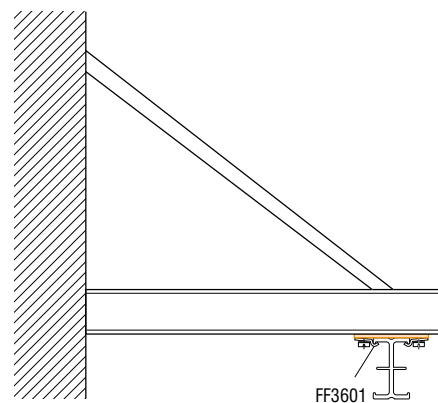
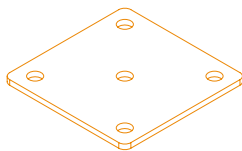


weight: 0,300 kg
0,661 lb



scale 1:4

APPLICATIONS



Flat bracket Art. FF3628 may be used welded to existing hoist, girders, etc. and the rail fixed to it accordingly using a pair of clamps Art. FF3601.

FF3627



Spacer for 2 rails

Holds up to 2 cyclorama rails when combined with extension brackets like FF3620 or FF3616 or FF3214C, etc.



material: steel



finish: grey powder coating with "orange peel" finish RAL 7016



weight: 0,954 kg
2,103 lb



volume: 0,0003 cu m
0,0106 cu ft

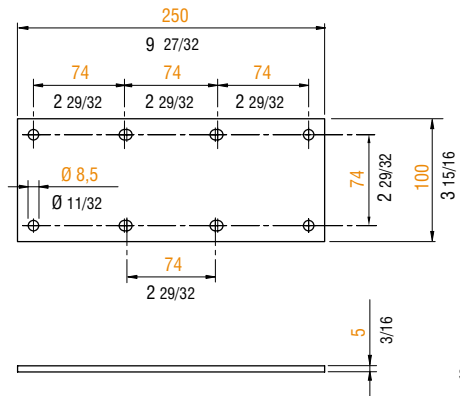
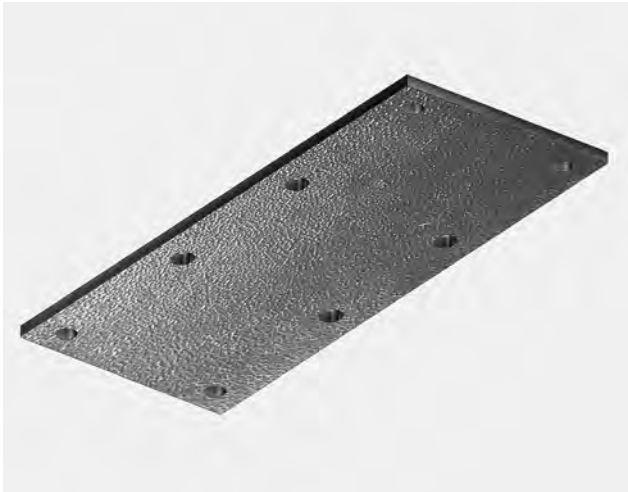


max. load: NA



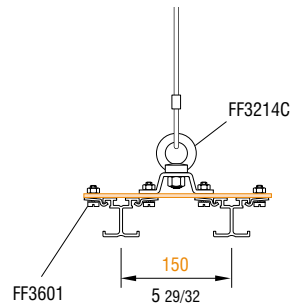
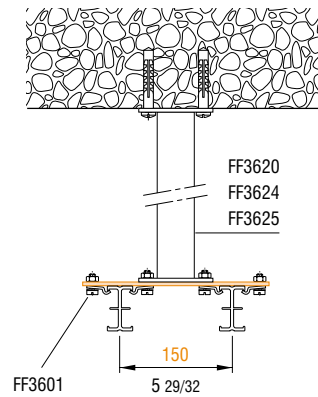
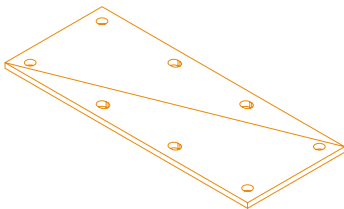
weight: 0,950 kg
2,093 lb

4



scale 1:6

APPLICATIONS



Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch. **IMPORTANT:** installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3626



Spacer bracket for up to 3 rails

Holds up to 3 cyclorama rails when combined with extension brackets like FF3620 or FF3616 or FF3214C, etc.



material: steel



finish: grey powder coating with "orange peel" finish RAL 7016



weight: 1,550 kg
3,416 lb



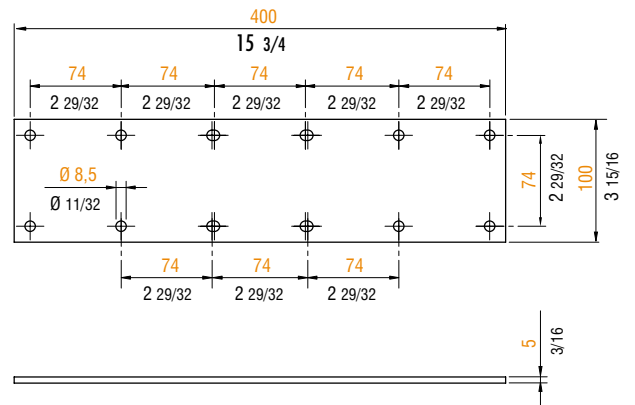
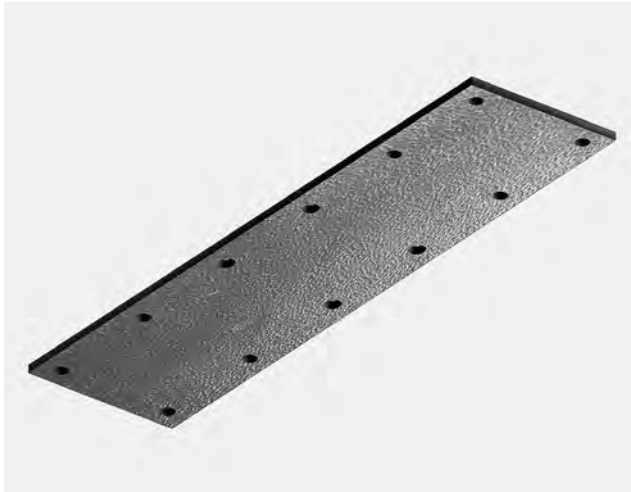
volume: 0,0004 cu m
0,0141 cu ft



max. load: NA

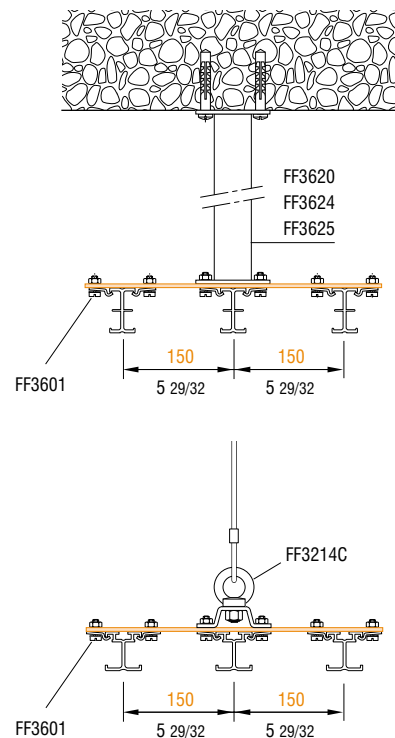
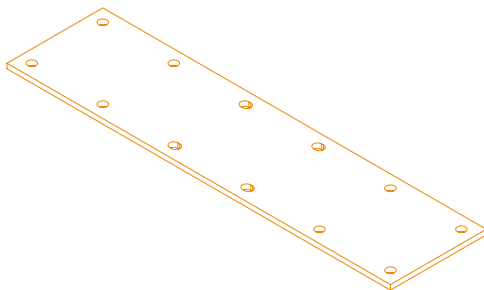


weight: 1,550 kg
3,416 lb



scale 1:6

APPLICATIONS



Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch.
IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3630



Ceiling Bracket

Designed to suspend rails directly from ceilings.
Use extension rod FF3632 to drop the rail system to the required height
Clamps FF3601 not included and have to be ordered separately.
Hardware to install the bracket to the ceiling is not included.
Maximum load is dependant on mounting conditions.



material: steel



finish: grey powder coating with "orange peel" finish RAL 7016



weight: 0,330 kg
0,727 lb



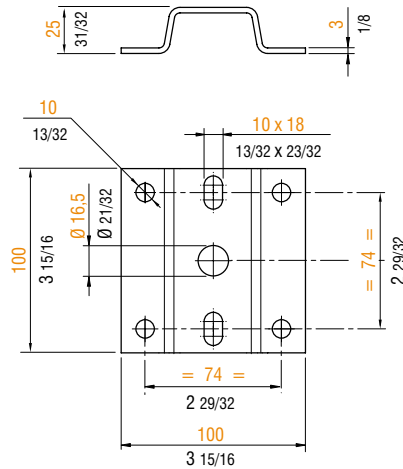
volume: 0,0050 cu m
0,176 cu ft



max. load: 250 kg
551 lb

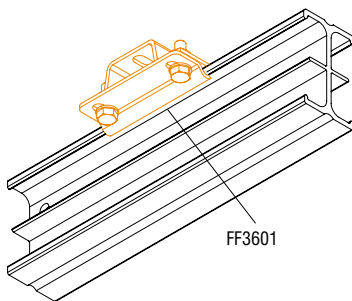


weight: 0,330 kg
0,727 lb

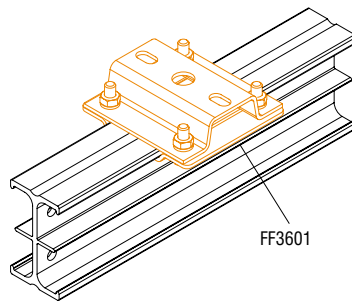


scale 1:4

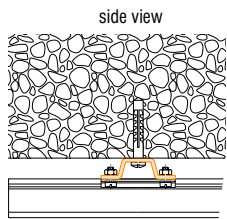
APPLICATIONS



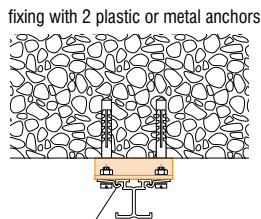
FF3601



FF3601

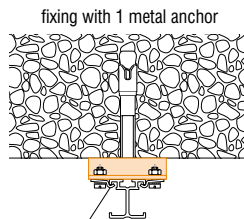


side view



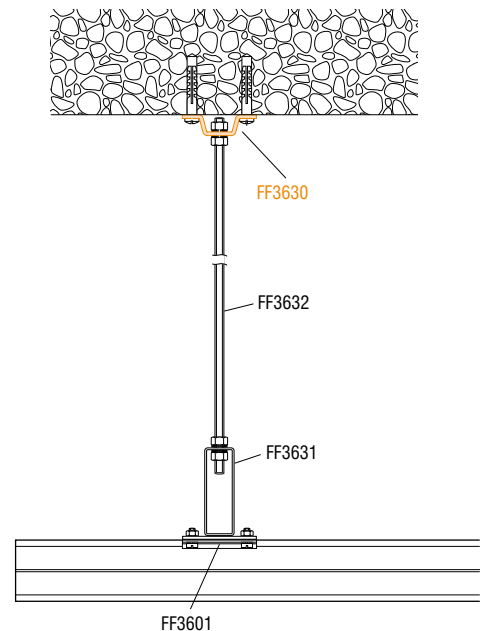
fixing with 2 plastic or metal anchors

FF3601



fixing with 1 metal anchor

FF3601



Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch.
IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3214C



Ceiling bracket with eye hook

Bracket to suspend rails from ceiling with steel wires.
Wire is not included.



material: steel



finish: white zinc plated



weight: 0,400 kg
0,882 lb



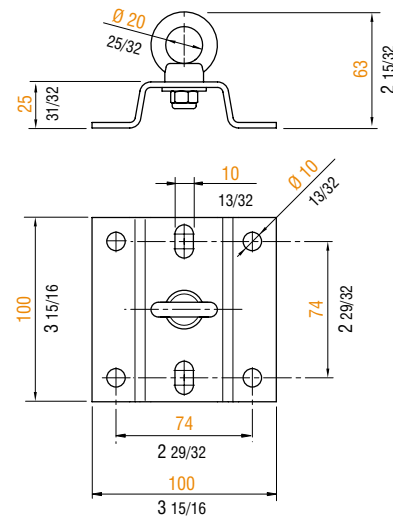
volume: 0,0008 cu m
0,0283 cu ft



max. load: 150 kg
331 lb

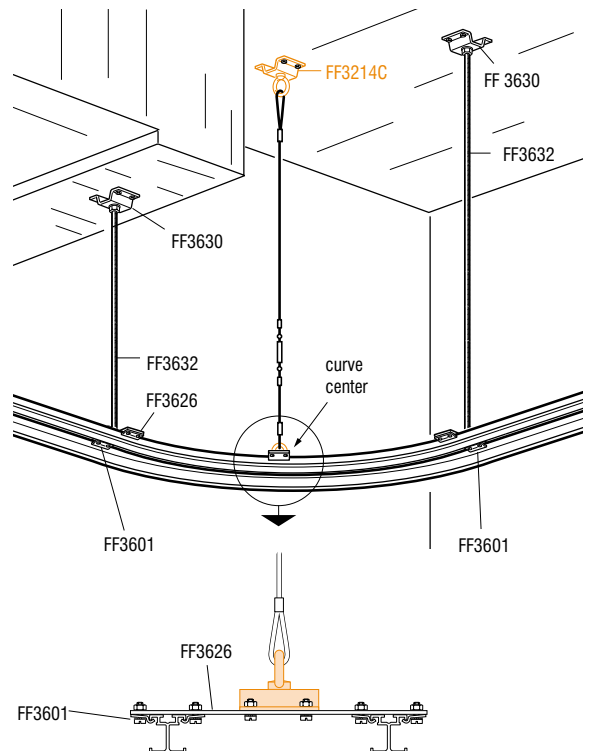
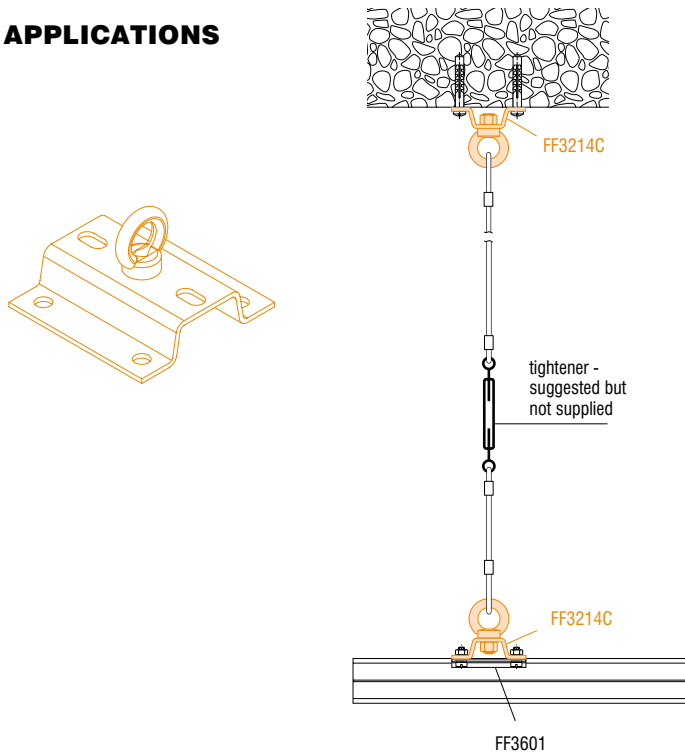


weight: 0,400 kg
0,882 lb



4

APPLICATIONS



Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch. **IMPORTANT:** installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3210

± 60

Ceiling bracket

Bracket to attach rails directly to the ceiling.
Hardware to install the bracket to the ceiling is not included.
Maximum load depends on mounting conditions.



material: aluminium



finish: grey powder coating with "orange peel" finish RAL 7016



weight: 0,208 kg
0,458 lb



volume: 0,0004 cu m
0,0141 cu ft

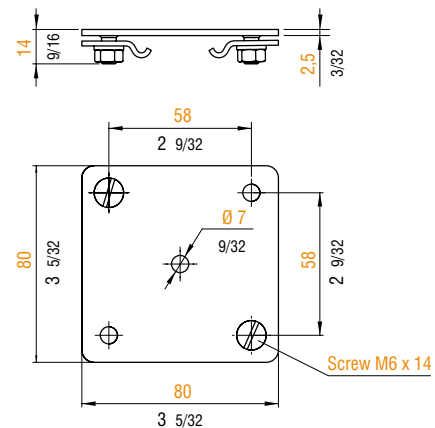


max. load: 100 kg
220 lb



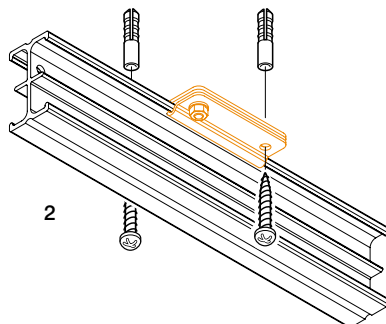
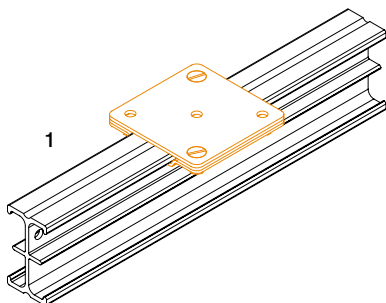
weight: 0,208 kg
0,458 lb

4

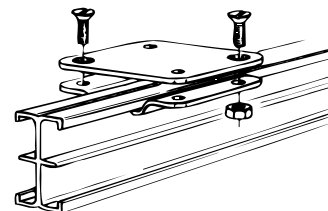


scale 1:3

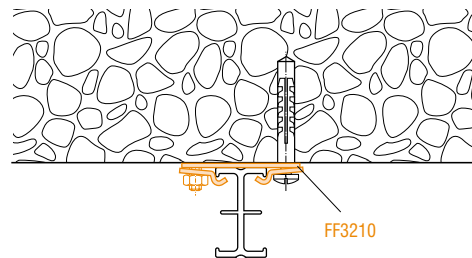
APPLICATIONS



INSTALLATION



1 - PREASSEMBLY ONTO THE RAILS



2 - MOUNTING TO THE CEILING

Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch.
IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3672



Double Bracket for rail crossing

Bracket with clamps to connect two rails parallel or in a right angle.



material: steel



finish: grey powder coating with orange peel finish RAL 7016



weight: 0,725 kg
1,598 lb



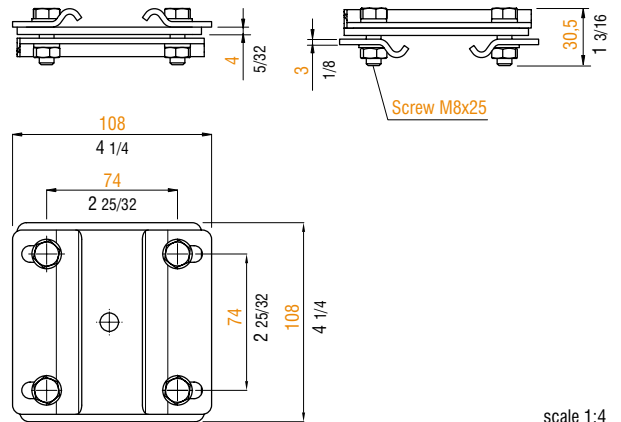
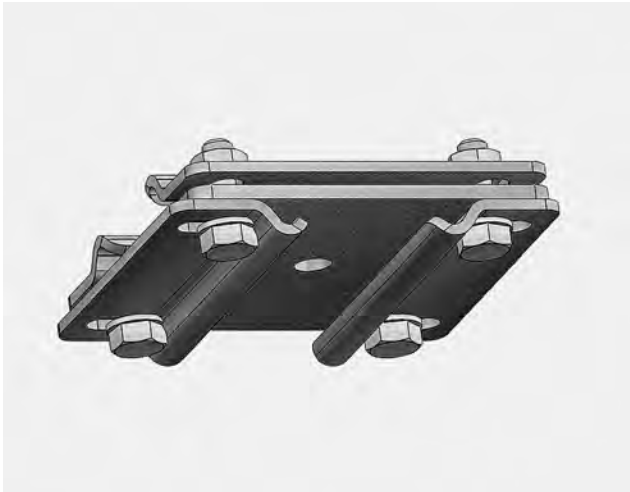
volume: 0,0008 cu m
0,0283 cu ft



max. load: 200 kg
441 lb



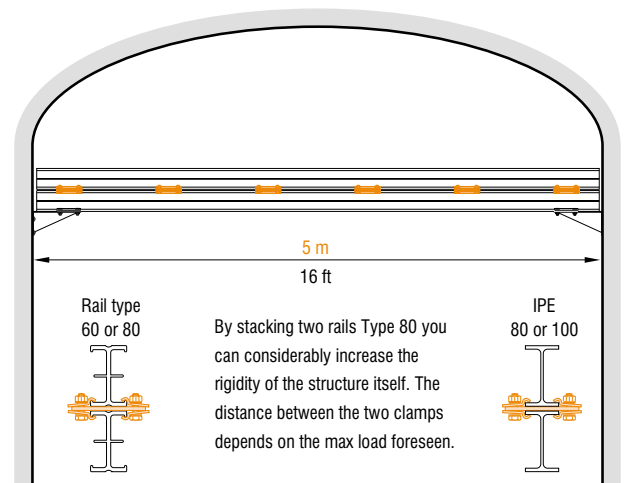
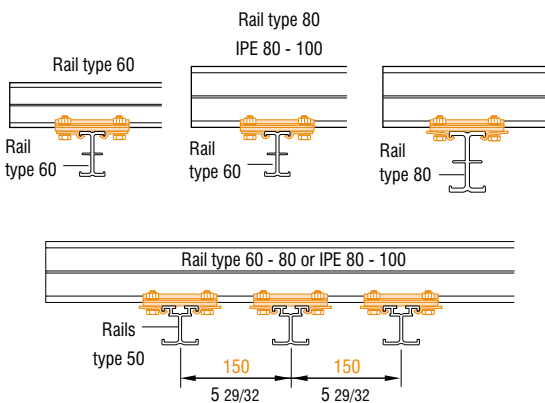
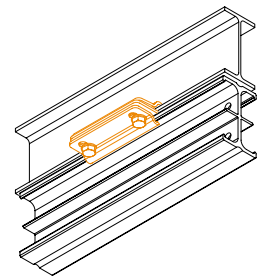
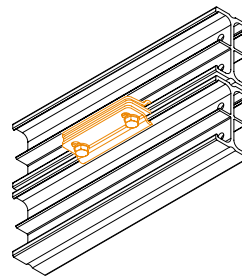
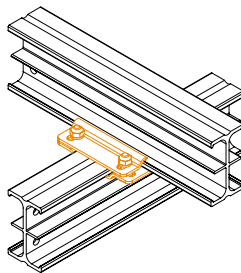
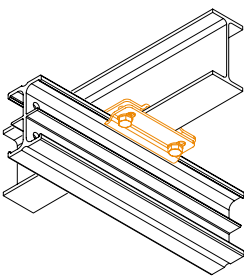
weight: 0,730 kg
1,608 lb



scale 1:4

4

APPLICATIONS



Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch. IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3674



Flat Adapter Bracket for IFF rail systems to "I" beams

Bracket to mount IFF rails to steel beams from IPE 120 to IPE 240.



material: steel



finish: grey powder coating with orange peel finish RAL 7016



weight: 2,070 kg
4,562 lb



volume: 0,0020 cu m
0,0707 cu ft

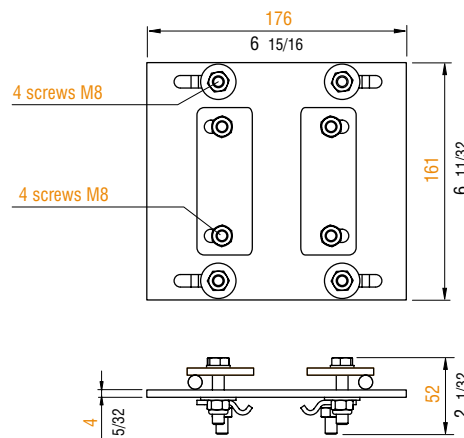
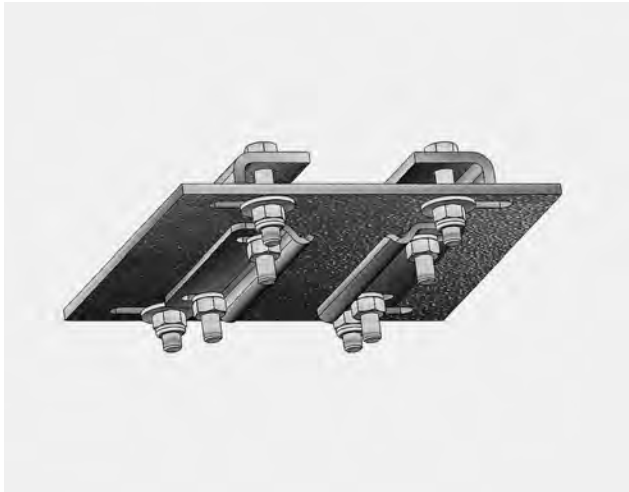


max. load: 200 kg
441 lb



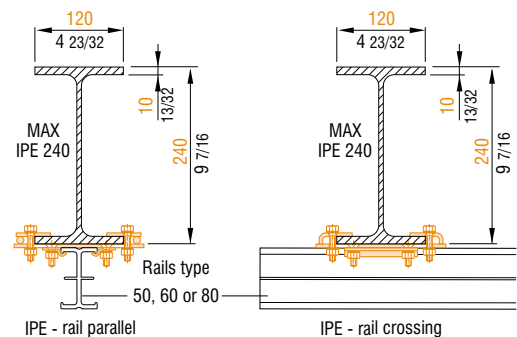
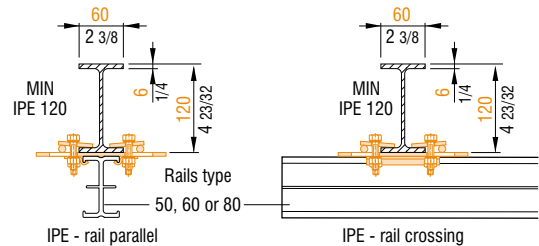
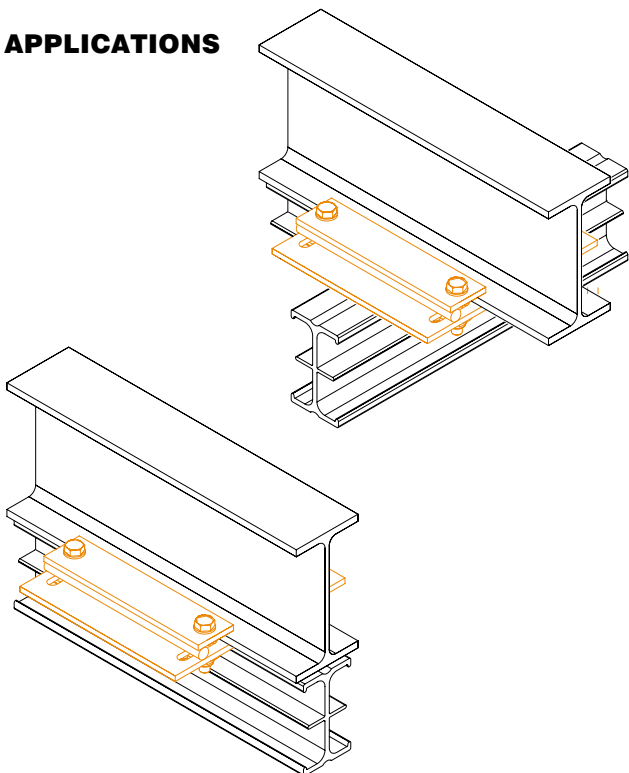
weight: 2,090 kg
4,604 lb

4



scale 1:4

APPLICATIONS



Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch. IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3614



Adapter Bracket for "I" beam to IFF rail system

FF3614 can be easily attached to I beams. With the brackets FF3601, FF3605 or FF3606 you can suspend rails, pipes or IPE80.



material: steel



finish: grey powder coating with orange peel finish RAL 7016



weight: 1,108 kg
2,442 lb



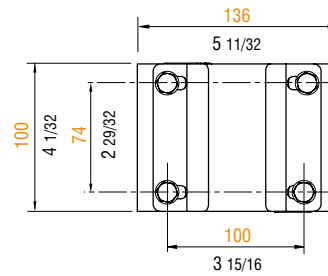
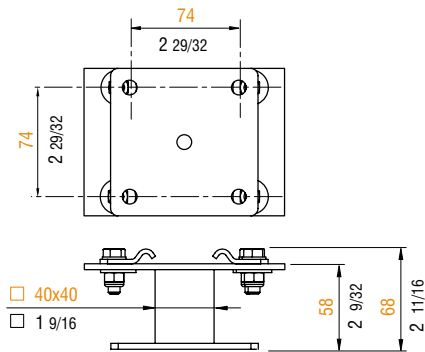
volume: 0,0020 cu m
0,0707 cu ft



max. load: 200 kg
441 lb

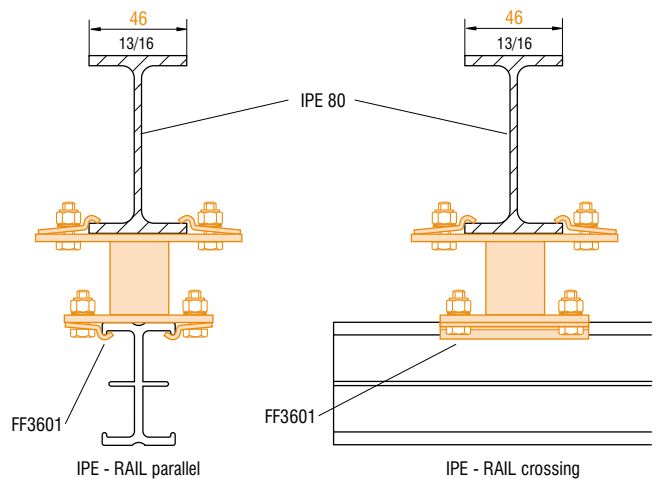
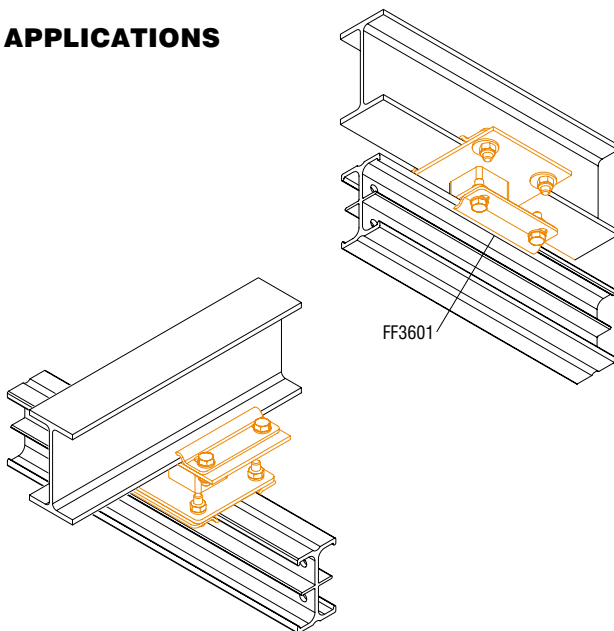


weight: 1,450 kg
3,194 lb



scale 1:5

APPLICATIONS



Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch.
IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3614R



Adapter Bracket for "I" beam to IFF rail systems

For "I" beams where FF3614 does not fit.
H and L are required for custom-built adapter brackets.



material: steel



finish: grey powder coating with orange peel finish RAL 7016



weight: NA



volume: NA

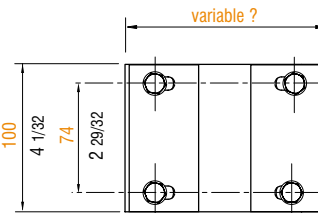
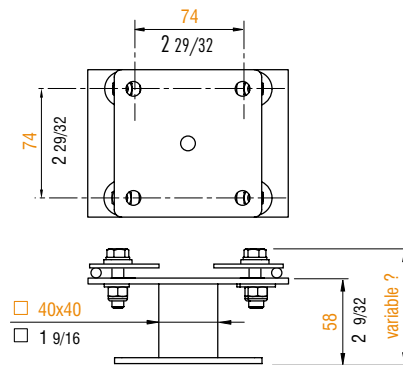


max. load: 200 kg
441 lb



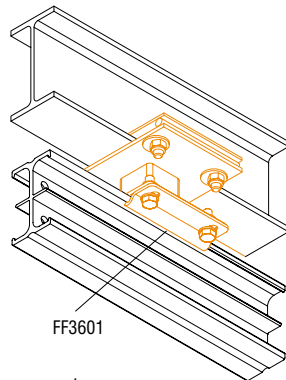
weight: NA

4

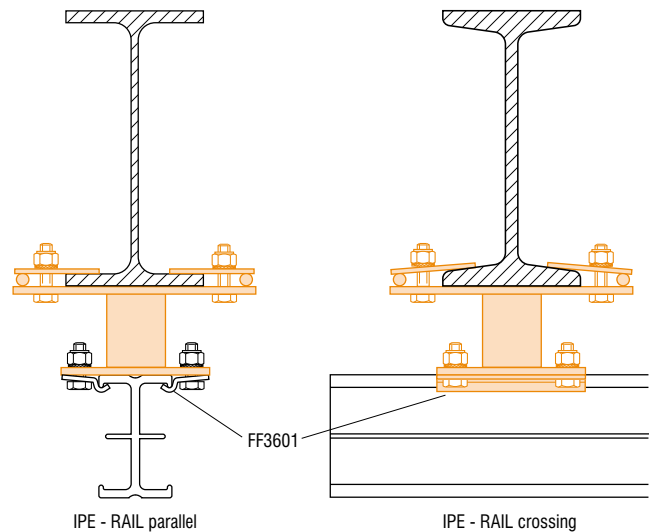
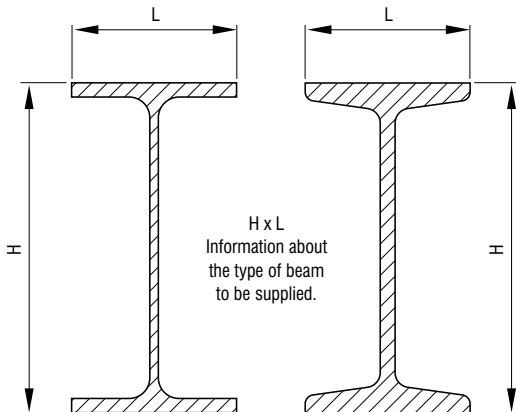


scale 1:5

APPLICATIONS



FF3601



Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch. IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3620 - FF3624 - FF3625



Extension bracket

FF3620: Extension bracket 35 cm length

FF3624: Extension bracket 65 cm length

FF3625: Extension bracket. Length on request

Extension bracket to suspend IFF rails, pipes or steel beam to ceilings with height differences.



material: steel



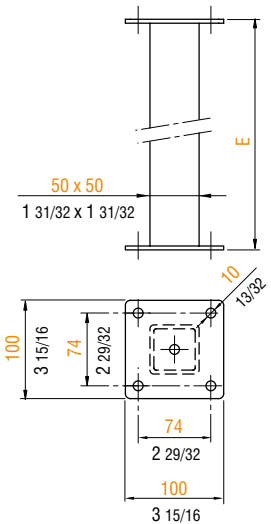
max. load: 250 kg
551 lb



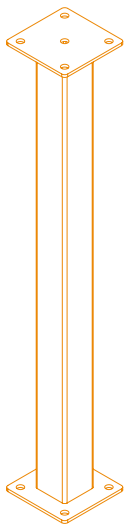
finish: grey powder coating with orange peel finish RAL 7016

	FF3620	FF3624	FF3625
E width:	mm 350	650	on request
	inch 13 25/32	25 19/32	
weight:	kg 1,610	2,500	NA
	lb 3,548	5,510	
volume:	cu m 0,0040	0,0075	NA
	cu ft 0,1413	0,2650	
weight:	kg 1,800	2,600	NA
	lb 3,965	5,727	

Extensions in other lengths (E) are available on request.



APPLICATIONS



FF3630

FF3605

FF3601

IPE 80
IPE 100

FF3601



FF3663
Screws kit

FF3605

FF3626

FF3601

11 13/16

Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch. IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3616



Extension Bracket for variable heights

To compensate for differences in ceiling height.
Adjustable from 13 to 20 cm (5" to 8").



material: steel



finish: grey powder coating with orange peel finish RAL 7016



weight: 1,306 kg
2,878 lb



volume: 0,0020 cu m
0,0707 cu ft

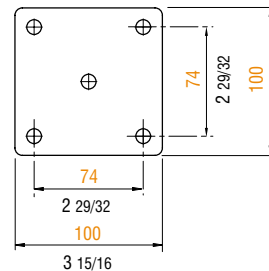
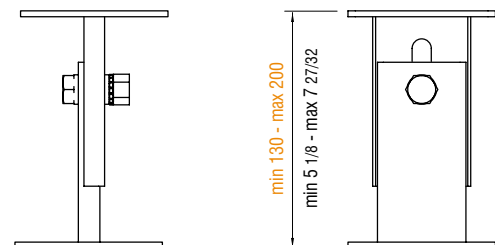


max. load: 200 kg
441 lb



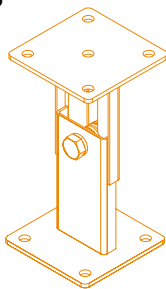
weight: 1,350 kg
2,974 lb

4

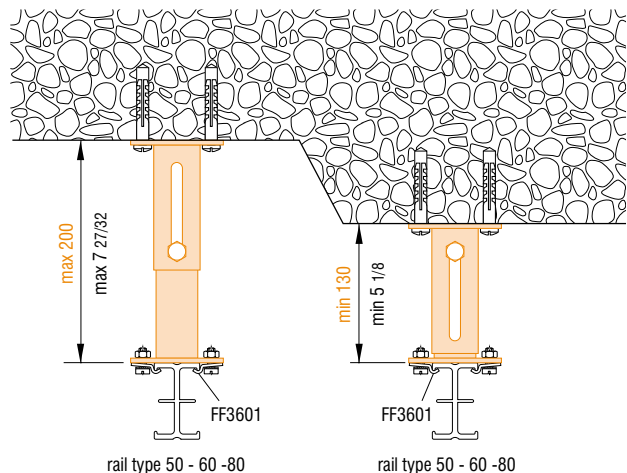


scale 1:5

APPLICATIONS



Ceilings with variable beam heights
FF3616 makes rail installations on ceilings with height differences easy. It's also used for obtaining intermediate sizes in combination with extension brackets FF3620, FF3624 and FF3625.



Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch. **IMPORTANT:** installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3612



Ajustable Bracket

Adjustable bracket allows fixing to uneven ceilings, scaffolding or "I" Beam structures.
Extendable from 9 to 13 cm (3,5" to 5") and inclinable from 0 to 90°.



material: steel



finish: grey powder coating with orange peel finish RAL 7016



weight: 1,110 kg
2,446 lb



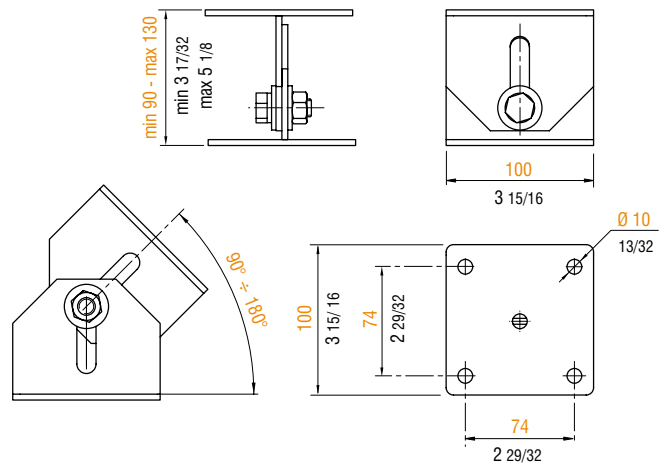
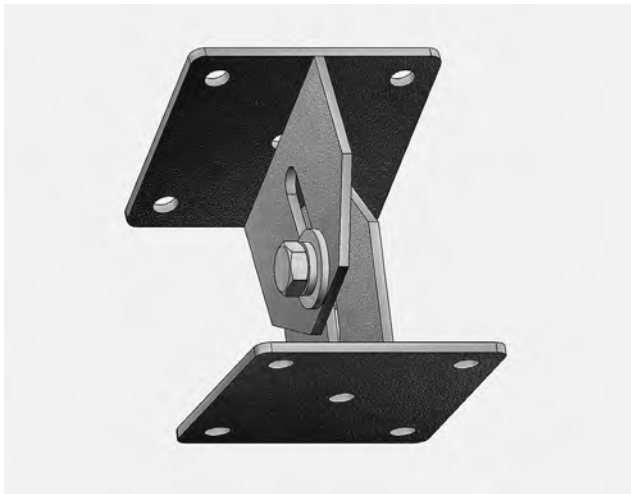
volume: 0,0020 cu m
0,0707 cu ft



max. load: 200 kg
441 lb

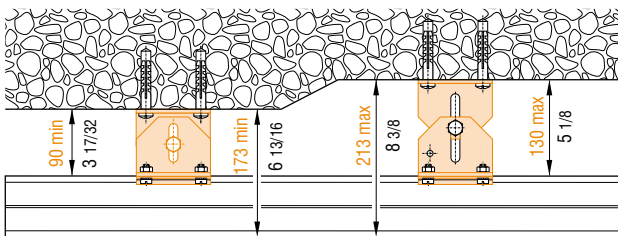
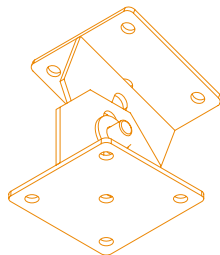


weight: 1,500 kg
3,304 lb

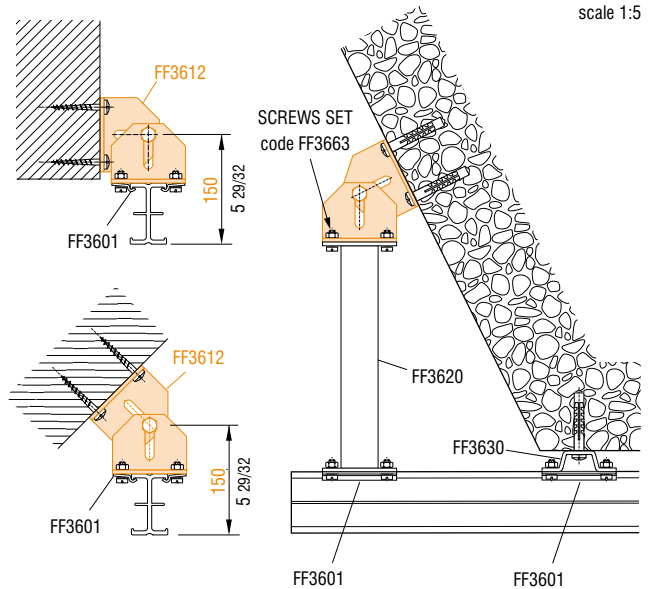


scale 1:5

APPLICATIONS



Ceiling with variable beam heights:
FF3612 allows the compensation of height differences in ceilings of up to a maximum of 4 cm (1 1/2").



Vaulted ceilings:
FF3612 is adjustable from 0° to 90°, by loosening the central locking bolt.

FF3632



Threaded Rod (M12) 1 m long

material: steel

finish: white zinc plated

Hardware to attach the Rod onto FF3630 and FF3631 is included.

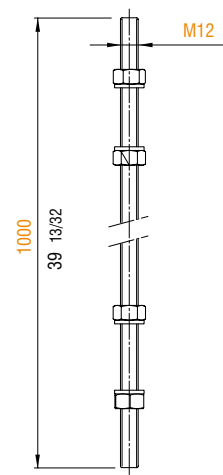
weight: 0,796 kg
1,754 lb

volume: 0,0004 cu m
0,0141 cu ft

max. load: 250 kg
550 lb

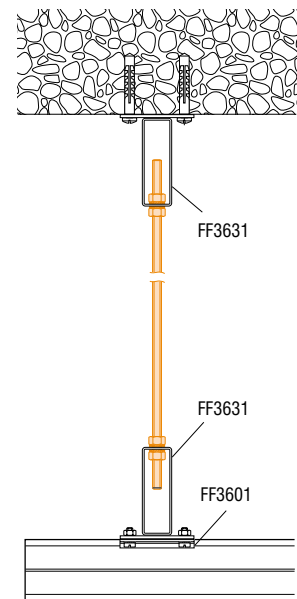
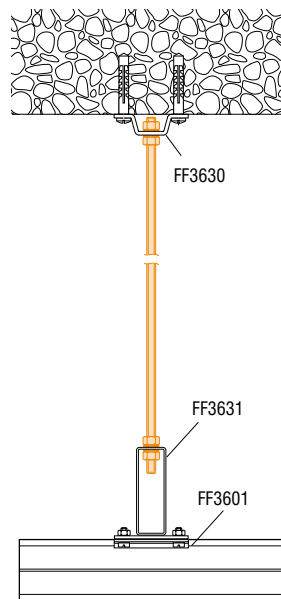
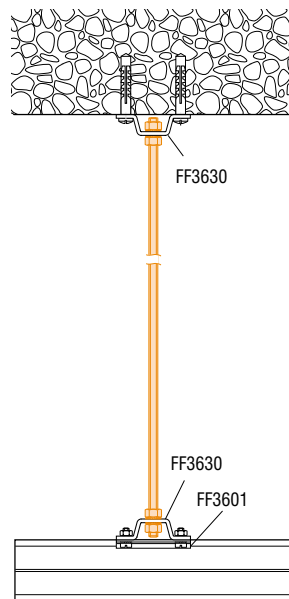
weight: 0,796 kg
1,754 lb

4



scale 1:5

APPLICATIONS



Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch. **IMPORTANT:** installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3631



Rail bracket for threaded rods (M12)

For adjustable hanging points for rails or pipes use the rail bracket FF3631 together with FF3632 threaded rod and FF3630 ceiling bracket. Height-adjustment of 100mm is possible.



material: steel



finish: grey powder coating with "orange peel" finish RAL 7016



weight: 0,330 kg
0,727 lb



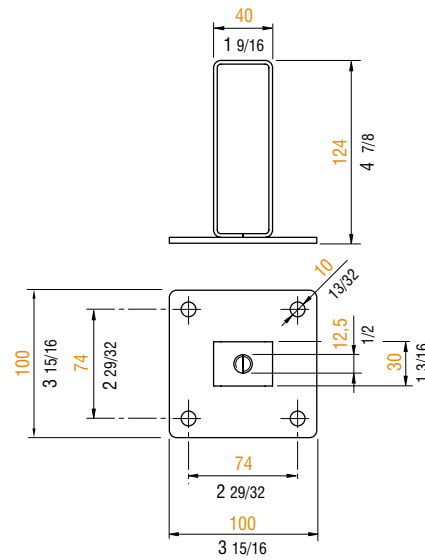
volume: 0,0040 cu m
0,176 cu ft



max. load: 200 kg
441 lb

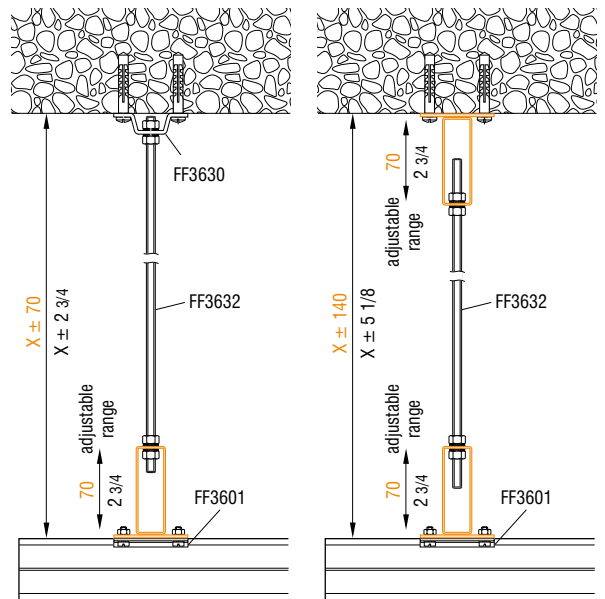
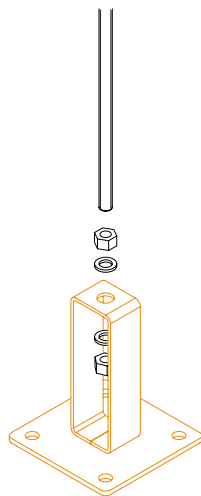


weight: 0,38 kg
0,83 lb



scale 1:5

APPLICATIONS



FF3602



Clamp for pipe to rail connection

Clamp to connect pipe to rail parallel or rectangular.
For easy installation of IFF rail system to an existing studio pipe grid.

material: steel

finish: white zinc plated

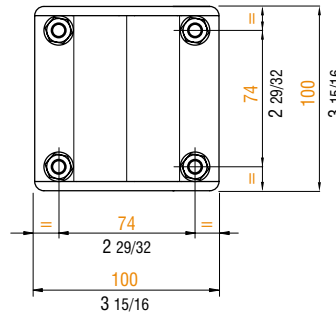
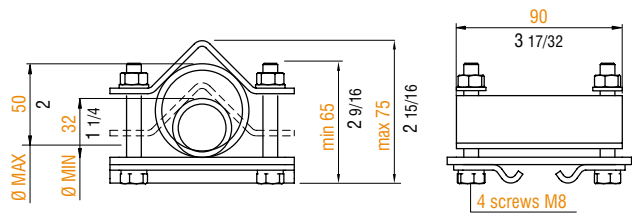
weight: 0,878 kg
1,935 lb

volume: 0,0004 cu m
0,0141 cu ft

max. load: 200 kg
441 lb

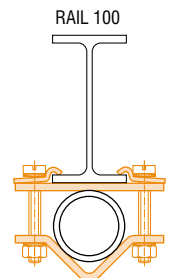
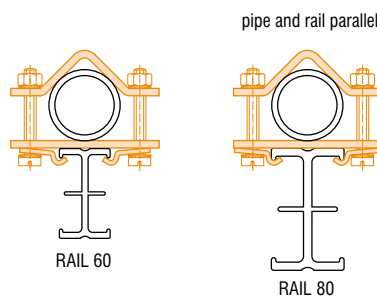
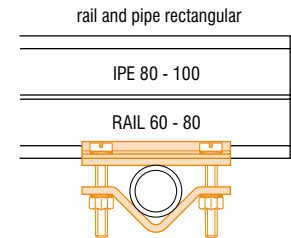
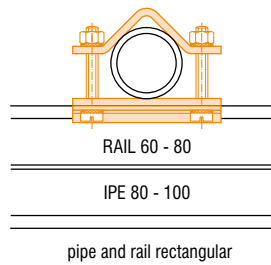
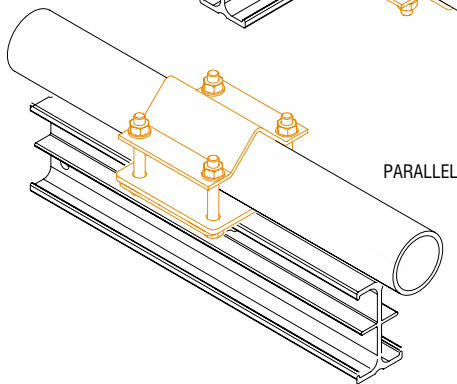
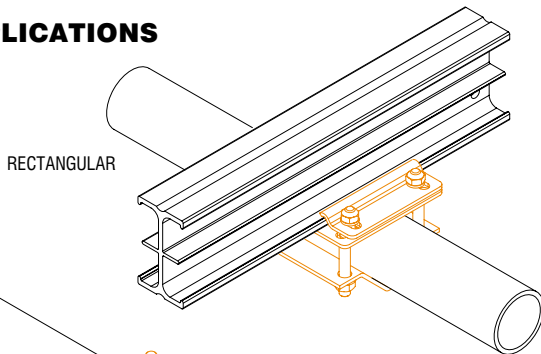
weight: 0,878 kg
1,935 lb

4



scale 1:4

APPLICATIONS



Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch.
IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3714



Bracket with clamps for pipes crossing

Double clamp to connect 2 pipes parallel or in a right angle.



material: steel



finish: grey powder coating with orange peel finish RAL 7016



weight: 0,912 kg
2,010 lb



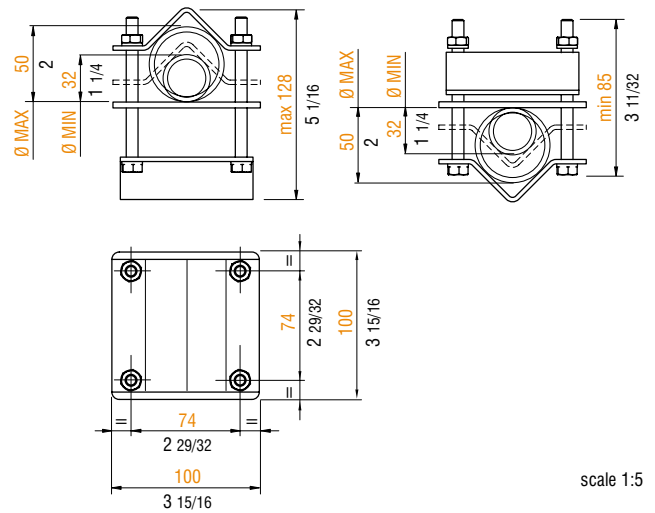
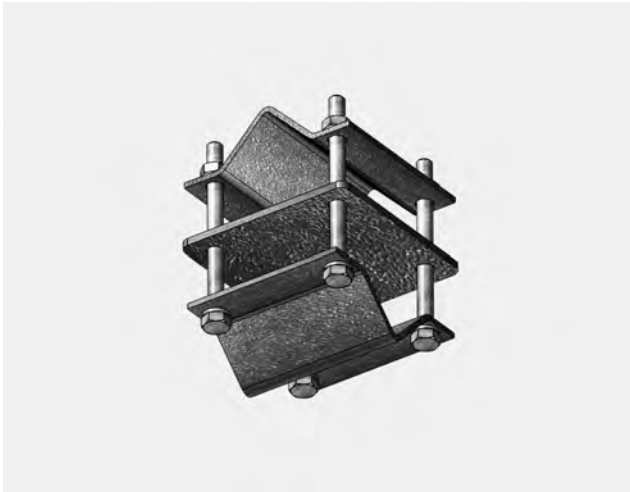
volume: 0,0020 cu m
0,0707 cu ft



max. load: 250 kg
551 lb



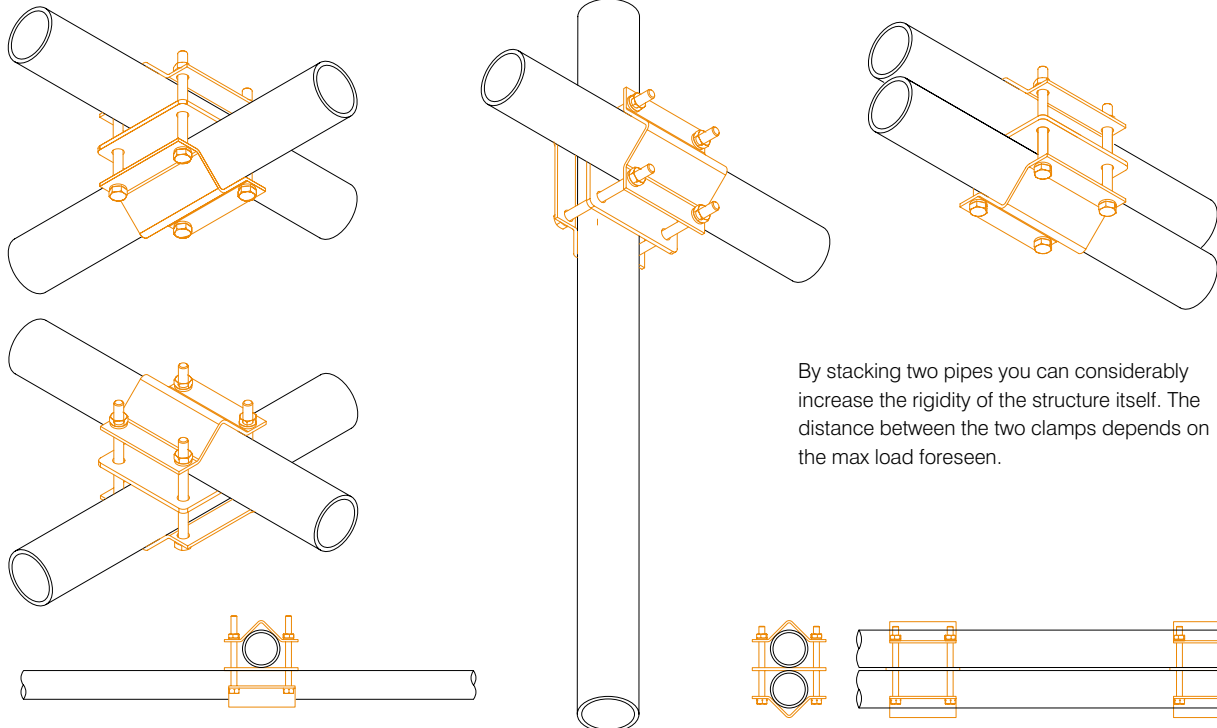
weight: 0,920 kg
2,026 lb



4

scale 1:5

APPLICATIONS



By stacking two pipes you can considerably increase the rigidity of the structure itself. The distance between the two clamps depends on the max load foreseen.

Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch. **IMPORTANT:** installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3606



Ceiling bracket for pipes

Designed to suspend pipes allowing the carriages to slide along the entire length. The ceiling bracket fits onto various IFF brackets or can be mounted directly onto the ceiling.



material: steel



finish: grey powder coating with orange peel finish RAL 7016



weight: 1,000 kg
2,204 lb



volume: 0,0075 cu m
0,2650 cu ft

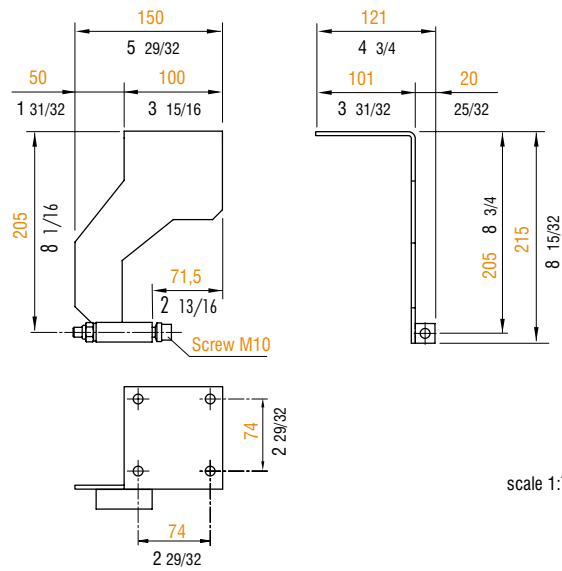


max. load: 150 kg
331 lb

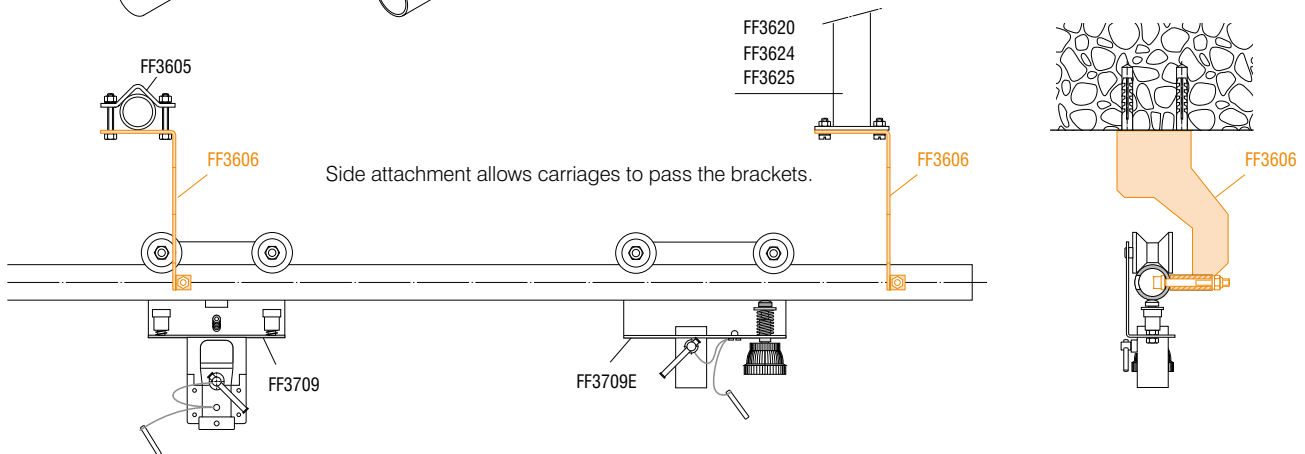
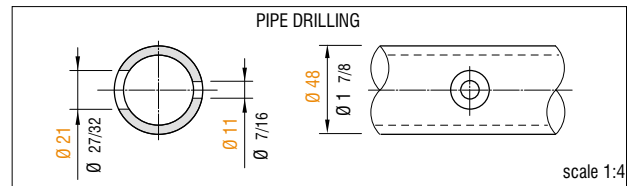
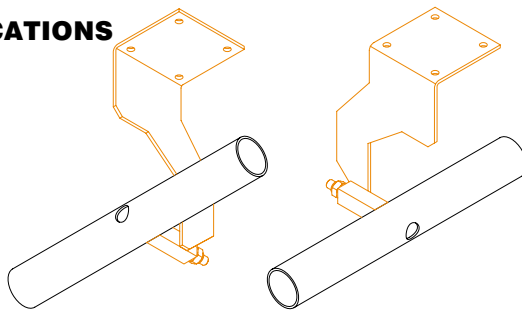


weight: 1,050 kg
2,313 lb

4


















APPLICATIONS




Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch.
IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

Single carriages are used as the interface between the suspended equipment and the Top Track rails. A comprehensive selection is available to suit all applications and requirements. There are detachable versions available that can be added to a previous installation without the need to completely dismantle the current tracks.

QUICK SELECTION GUIDE

PRODUCT	CODE	DESCRIPTION	APPLICATION	DATAS	PAGE
	FF3540	Detachable carriage with brake		 1,400kg/3,086lb  0,0070m/0,2473ft  1,48kg/3,26lb	5.30
	FF3541	Detachable carriage with brake		 1,90kg/4,19lb  0,0030m/0,1060ft  2,03kg/4,47lb	5.40
	FF3229	Carriage with brake and 5/8" spigot		 0,282kg/0,622lb  0,0070m/0,2473ft  0,362kg/0,798lb	5.50

Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch.  **IMPORTANT:** installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

PRODUCT	CODE	DESCRIPTION	APPLICATION	DATAS	PAGE
	FF3231D	Heavy-duty carriage with brake and universal head		0,910kg/2,006lb 0,0030m/0,1060ft 1,040kg/2,291lb	5.60
	FF3708D	Carriage with twist lock and universal head		1,506kg/3,319lb 0,0060m/0,2120ft 1,640kg/3,612lb	5.70
	FF3707	Detachable carriage with twist lock and universal head		1,868kg/4,117lb 0,0060m/0,2120ft 1,970kg/4,339lb	5.80
	FF3707S	Detachable carriage with twist lock and universal head		1,940kg/4,276lb 0,006m/0,2120ft 2,042kg/4,2lb	5.90
	FF3707S120	Detachable carriage with twist lock and universal head		2,000kg/4,408lb 0,006m/0,2120ft 2,102kg/4,63lb	5.100
	FF3708	Carriage with twist lock and 1 1/8" female attachment		1,324kg/2,918lb 0,0060m/0,2120ft 1,465kg/3,227lb	5.110
	FF3705	Carriage with twist lock and 1-1/8" female attachment		1,100kg/2,424lb 0,003m/0,1060ft 1,3kg/2,86lb	5.120
	FF3710	Detachable carriage with twist lock and 1-1/8" female attachment		1,684kg/3,712lb 0,0060m/0,2120ft 1,795kg/3,954lb	5.130
	FF3710S	Detachable carriage with twist lock and 1-1/8" female attachment		1,750kg/3,857lb 0,006m/0,211ft 1,861kg/4,1b	5.140
	FF3710S120	Detachable carriage with twist lock and 1-1/8" female attachment		1,810kg/3,989lb 0,006m/0,211ft 1,912kg/4,215lb	5.150
	FF3719	Carriage with twist lock and 1-1/8 female attachment for receptacle		1,90kg/4,10lb 0,007m/0,247ft 2,1kg/4,6lb	5.160
	FF3709	Detachable carriage with 1-1/8" female attachment		1,990kg/4,386lb 0,0120m/0,4240ft 2,030kg/4,471lb	5.170
	FF3709D	Detachable carriage with universal head		2,150kg/4,739lb 0,0120m/0,4240ft 2,205kg/4,857lb	5.180
	FF3709E	Detachable carriage with twist lock and 1-1/8" female attachment		2,100kg/4,628lb 0,0120m/0,4240ft 2,300kg/5,066lb	5.190
	FF3732	Motorized carriage for type 80 rails and IPE 80		3,150kg/9,944lb 0,009m/0,317ft 3,35kg/7,380lb	5.200
	FF3732S	Motorized carriage for IPE 100		3,400kg/7,500lb 0,01m/0,353ft 3,6kg/7,930lb	5.200
	FF3732S120	Motorized carriage for IPE 120		3,600kg/7,930lb 0,0 11m/0,388ft 3,8kg/8,377lb	5.200

Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch. IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3540

IF 60

Detachable carriage with brake

One side of the carriage can be removed to attach or detach the carriage to/from the IFF Rail 60. Spring-loaded brake pad holds carriage in position. To release the brake pull down on wire with operating pole. Spring pantographs FF3512 and FF3514 can be mounted directly onto the carriage without additional male/female connections between carriage and pantograph. This very compact design offers a great advantage for studios with low ceilings.



material: steel



finish: grey powder coating with orange peel finish RAL 7016



weight: 1,400 kg
3,086 lb



volume: 0,0070 cu m
0,2473 cu ft

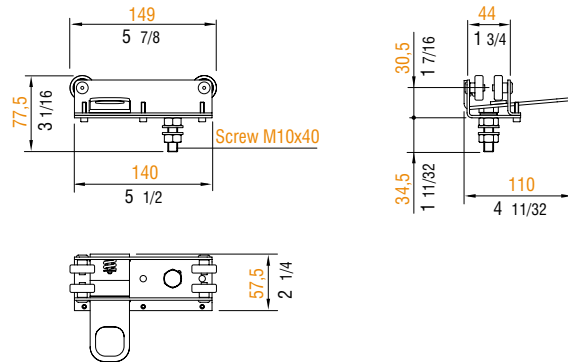


max. load: 90 kg
198 lb



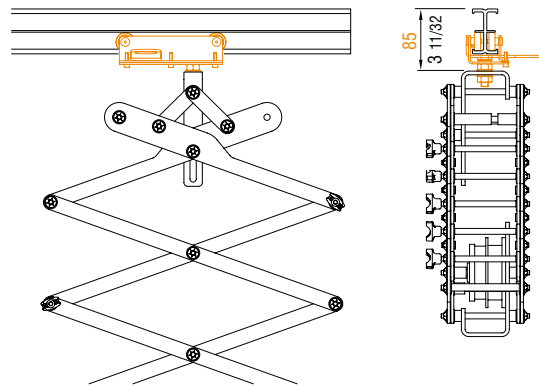
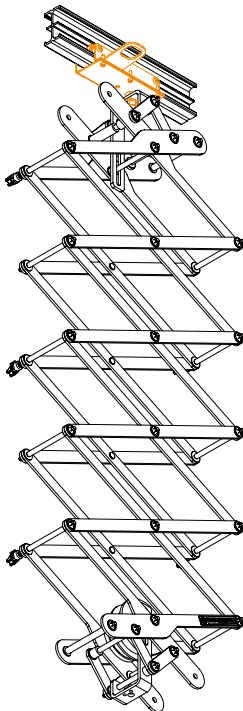
weight: 1,48 kg
3,26 lb

5



scale 1:7,5

APPLICATIONS



scale 1:10

ASSEMBLY SEQUENCE

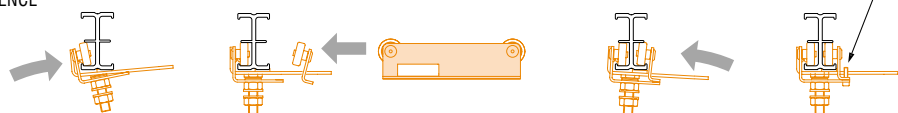
1

2

3

4

Lok the 3 screws



Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch.
IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3541



Detachable carriage with brake

One side of the carriage can be removed to attach or detach the carriage to/from the IFF Rail 80. Spring-loaded brake pad holds carriage in position. To release the brake pull down on wire with operating pole. Spring pantographs FF3512 and FF3514 can be mounted directly onto the carriage without additional male/female connections between carriage and pantograph. This very compact design offers a great advantage for studios with low ceilings.



material: body: steel



finish: grey powder coating with "orange peel" finish RAL 7016



weight: **1,90 kg**
4,19 lb



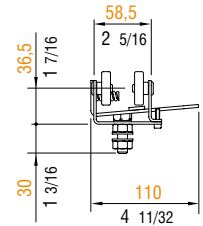
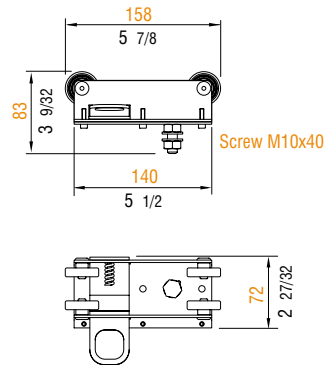
volume: **0,0030 cu m**
0,1060 cu ft



max. load: **90 kg**
198 lb

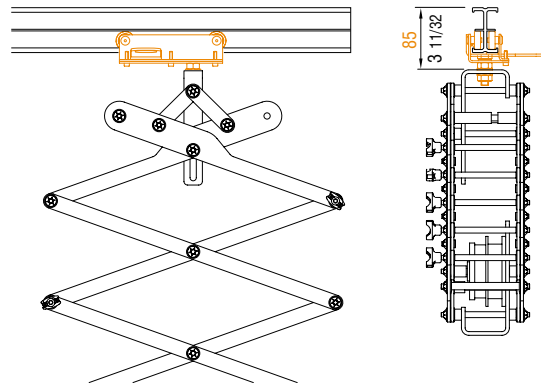
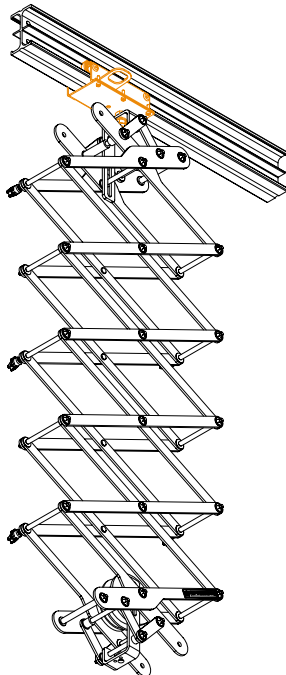


weight: **2,03 kg**
4,47 lb



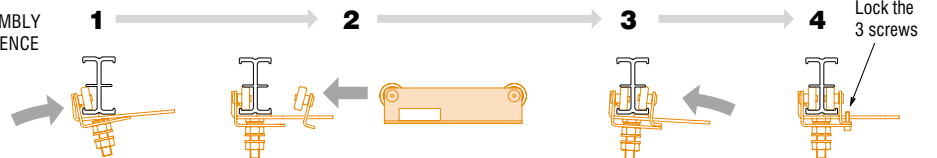
scale 1:7,5

APPLICATIONS



scale 1:10

ASSEMBLY SEQUENCE



Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch.
IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3229

⌑ 60

Carriage with brake and 5/8" spigot

Spring-loaded brake pad holds carriage in position. To release the brake pull down on wire with operating pole.



material: steel



finish main body: grey powder coating with "orange peel" finish
part: zinc plated RAL 7016



weight: 0,282 kg
0,622 lb



volume: 0,0070 cu m
0,2473 cu ft

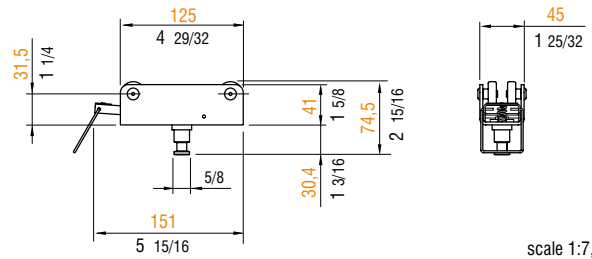


max. load: 60 kg
132 lb

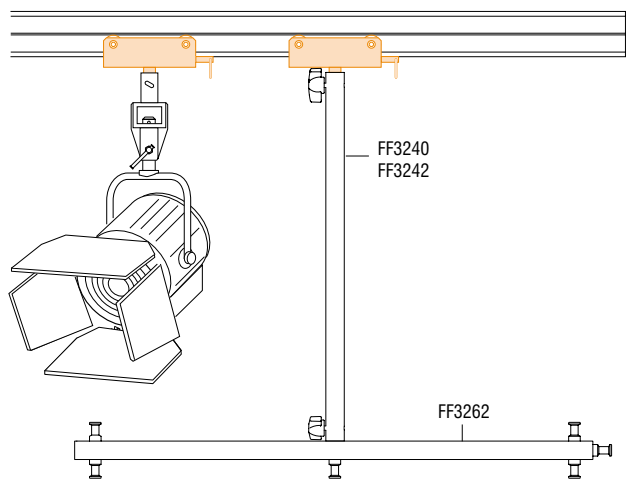
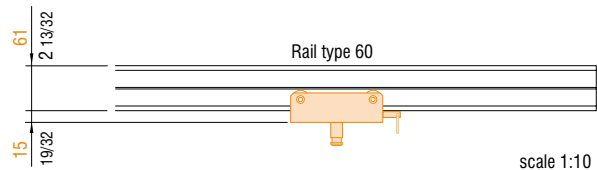
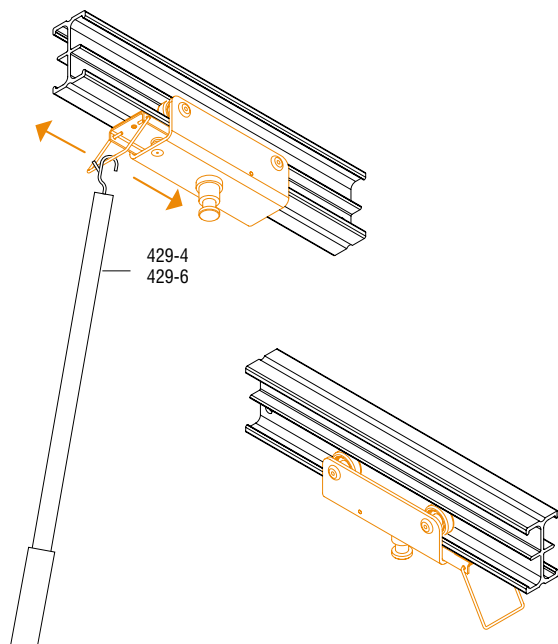


weight: 0,362 kg
0,798 lb

5



APPLICATIONS



Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch.
IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3231D

⊕ 60

Heavy-duty carriage with brake and universal head

Spring-loaded brake pad holds carriage in position. To release the brake pull down on wire with operating pole. Universal head with 1-1/8" and 5/8".



material - main body: aluminium & steel



finish: grey powder coating with orange peel finish RAL 7016



weight: **0,910 kg**
2,006 lb



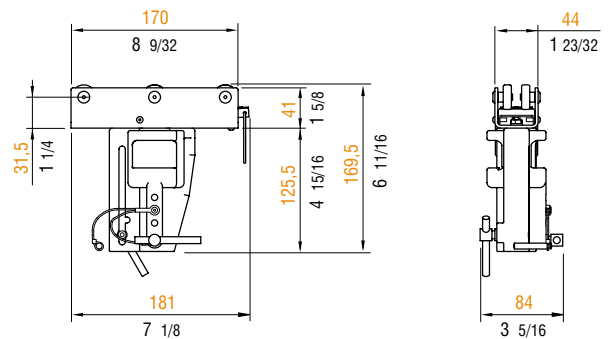
volume: **0,0030 cu m**
0,1060 cu ft



max. load: **70 kg**
154 lb



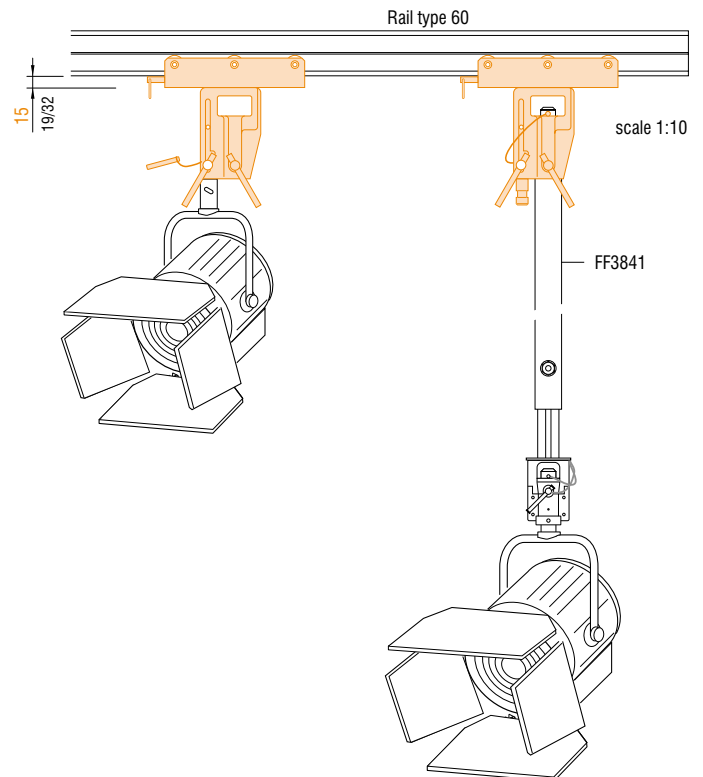
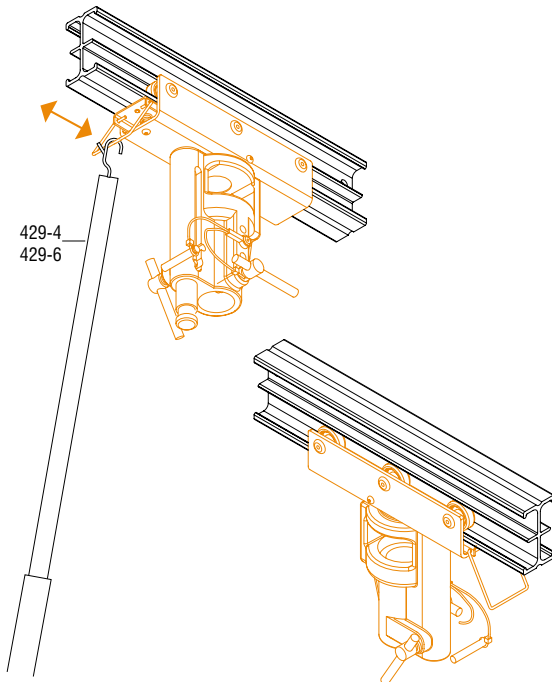
weight: **1,040 kg**
2,291 lb



scale 1:7,5

5

APPLICATIONS



Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch.
IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3708D



Carriage with twist lock and universal head

Twist lock holds carriage in position. Use operating pole to open or release the twist lock.

Universal head with 1-1/8" and 5/8" female and 5/8" male attachment.

material main body: steel
part: blue plastic

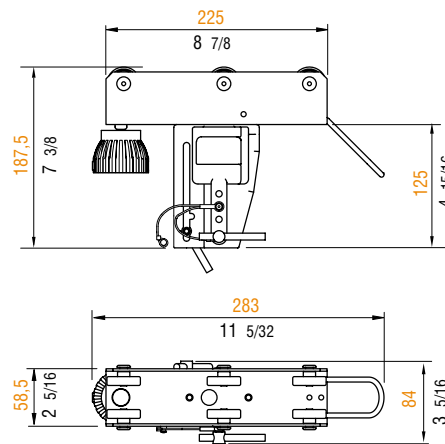
finish: grey powder coating with orange peel finish RAL 7016

weight: 1,506 kg
3,319 lb

volume: 0,0060 cu m
0,2120 cu ft

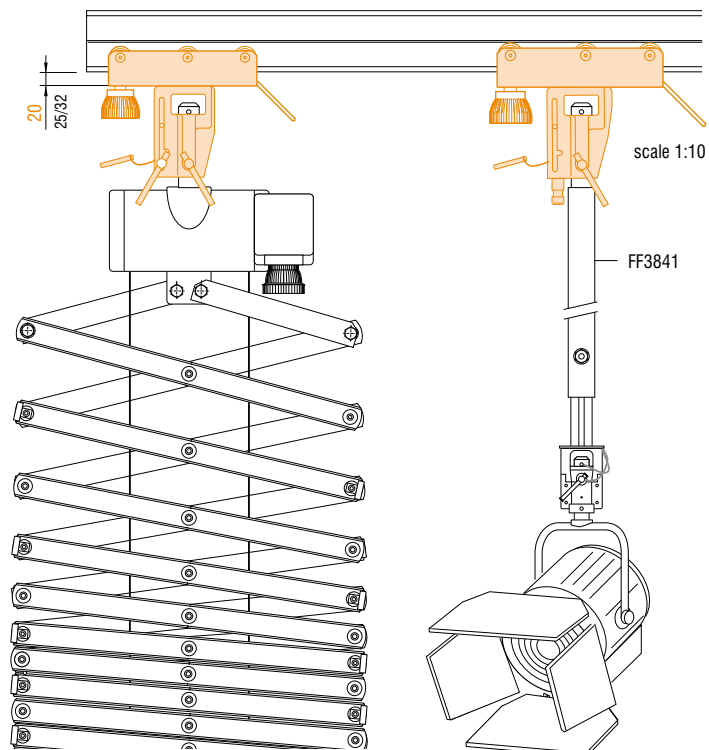
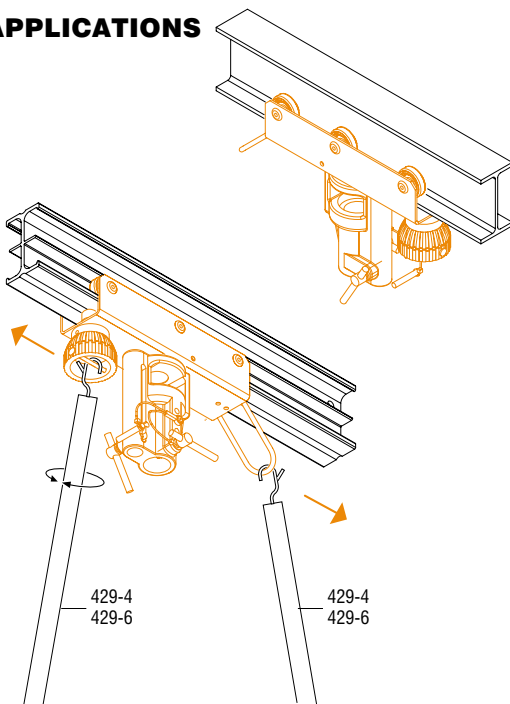
max. load: 90 kg
198 lb

weight: 1,640 kg
3,612 lb



scale 1:7,5

APPLICATIONS



scale 1:10

Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch.
IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3707



Detachable carriage with twist lock and universal head

One side of the carriage can be removed to attach or detach the carriage to/from the IFF Rail 80 or IPE80 beam.
Universal head with 1-1/8" and 5/8" female and 5/8" male attachment



material main body: steel & aluminium
part: blue plastic



finish: grey powder coating with orange peel finish RAL 7016



weight: 1,868 kg
4,117 lb



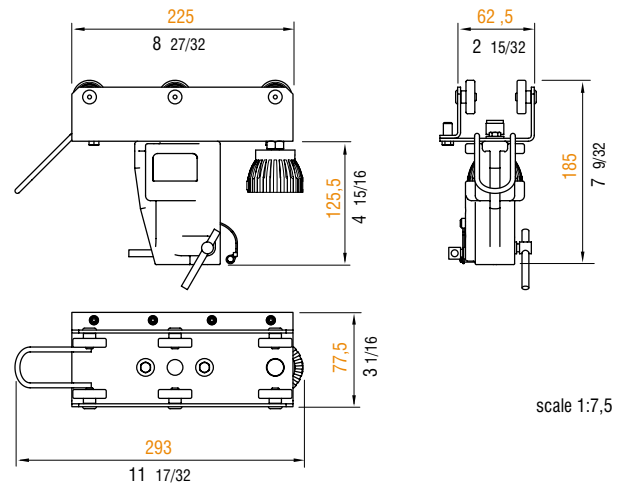
volume: 0,0060 cu m
0,2120 cu ft



max. load: 100 kg
220 lb

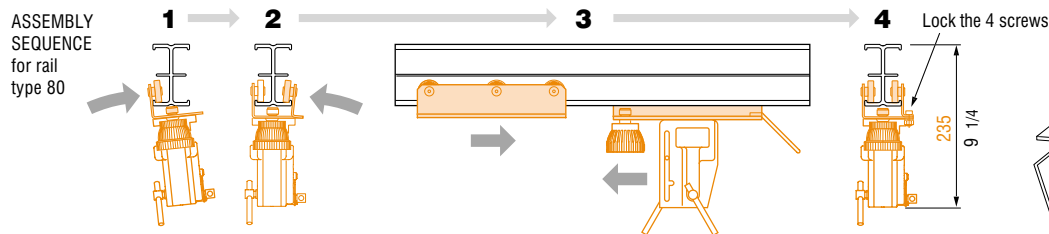
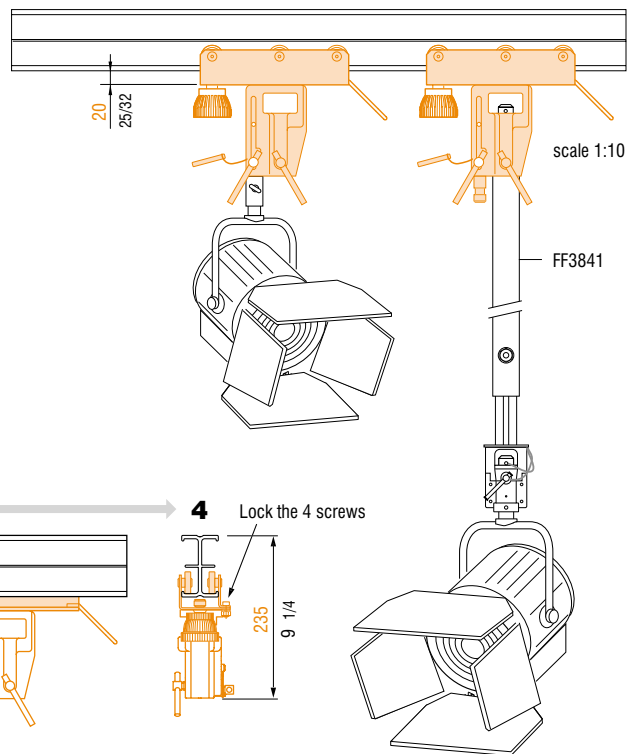
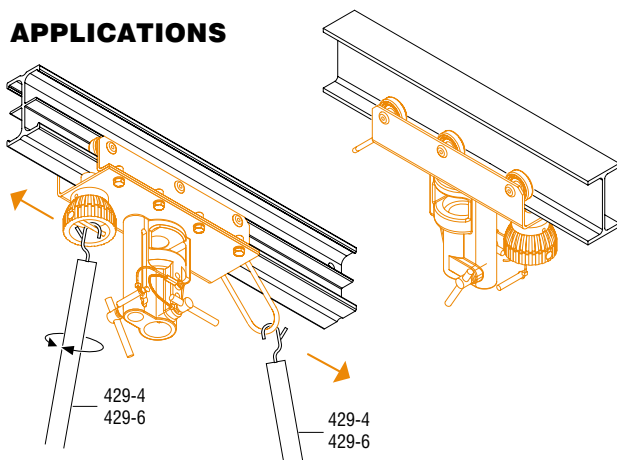


weight: 1,970 kg
4,339 lb



5

APPLICATIONS



ASSEMBLAGE SEQUENCE for IPE 80 same as art. FF3707S

Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch.
IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3707S



Detachable carriage with twist lock and universal head

One side of the carriage can be removed to attach or detach the carriage to/from the IPE100 beam.

Universal head with 1-1/8" and 5/8" female and 5/8" male attachment

material main body: steel
part: blue plastic

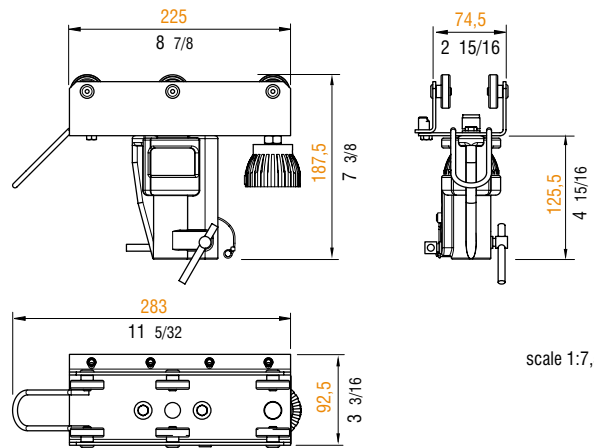
finish: grey powder coating with orange peel finish RAL 7016

weight: 1,940 kg
4,276 lb

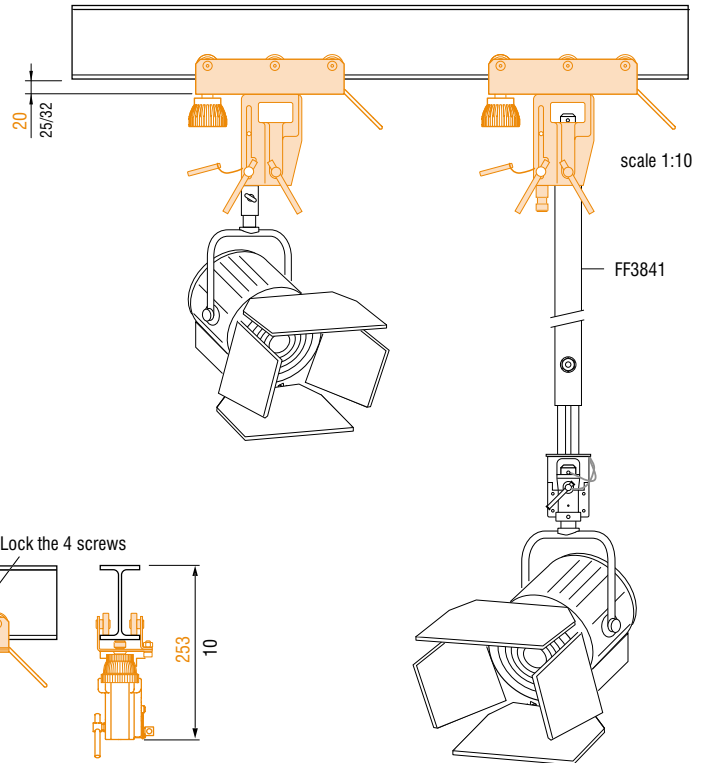
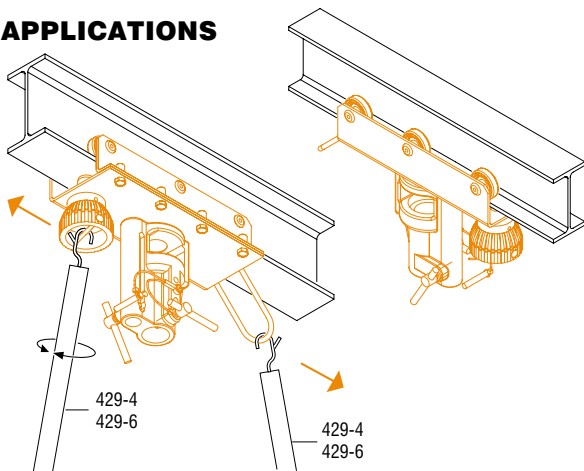
volume: 0,006 cu m
0,2120 cu ft

max. load: 90 kg
198 lb

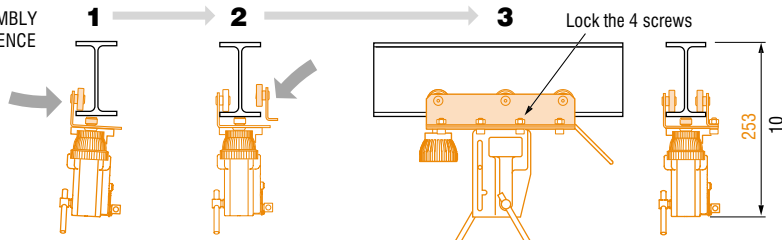
weight: 2,042 kg
4,5 lb



APPLICATIONS



ASSEMBLY SEQUENCE



Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch.
IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3707S120



Detachable carriage with twist lock and universal head

One side of the carriage can be removed to attach or detach the carriage to/from the IPE120 beam.

Universal head with 1-1/8" and 5/8" female and 5/8" male attachment



material main body: steel
part: blue plastic



finish: grey powder coating with orange peel finish RAL 7016



weight: **2,000 kg**
4,408 lb



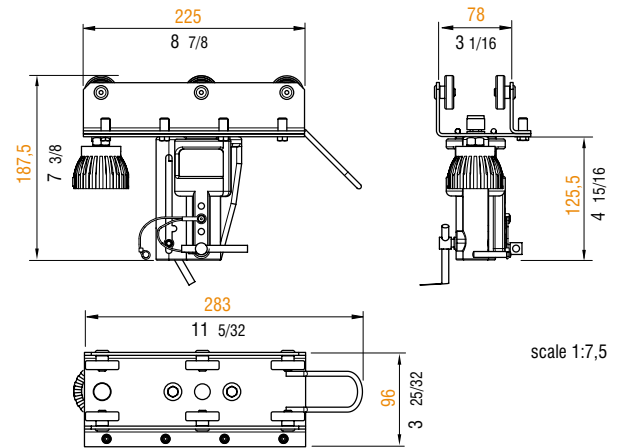
volume: **0,006 cu m**
0,2120 cu ft



max. load: **90 kg**
198 lb

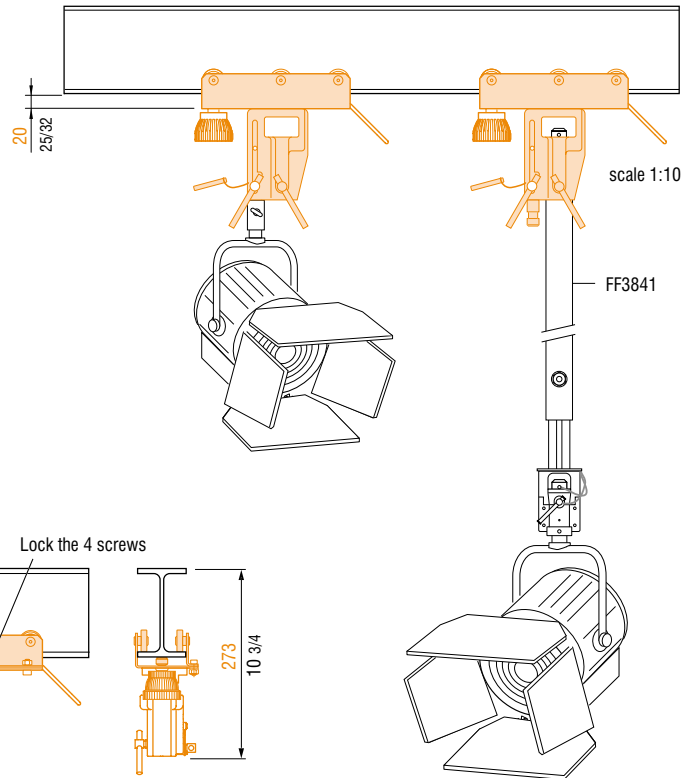
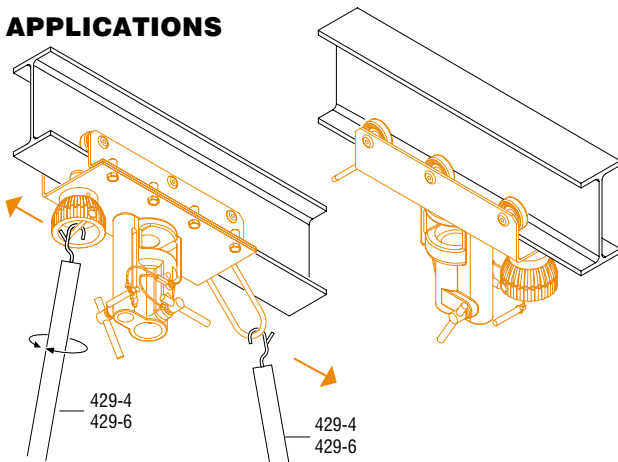


weight: **2,102 kg**
4,63 lb

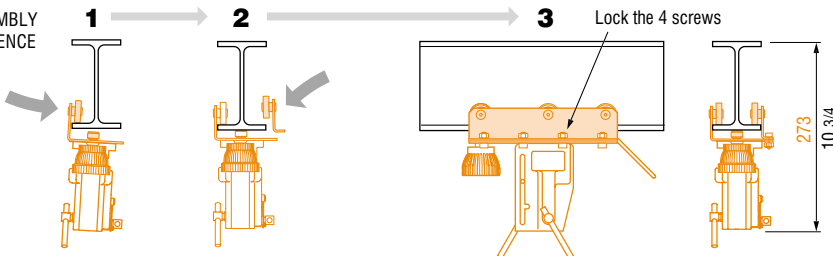


5

APPLICATIONS



ASSEMBLY SEQUENCE



Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch.
IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3708



Carriage with twist lock and 1 1/8" female attachment

Twist lock holds carriage in position. Use operating pole to open or release the twist lock.

material main body: steel
part: blue plastic

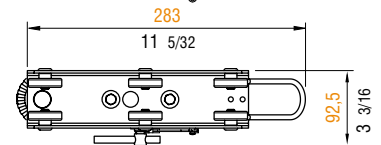
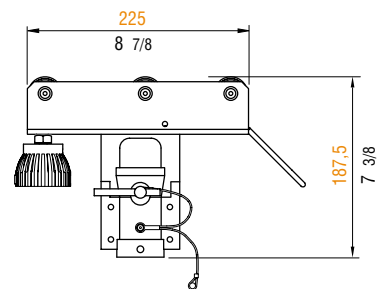
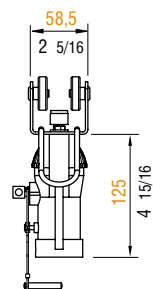
finish: grey powder coating with orange peel finish RAL 7016

weight: 1,324 kg
2,918 lb

volume: 0,0060 cu m
0,2120 cu ft

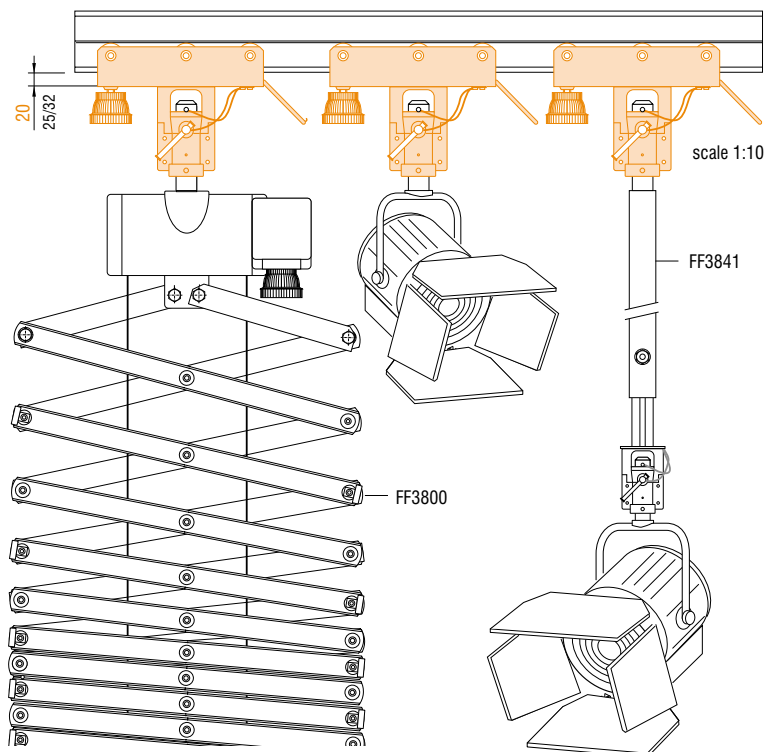
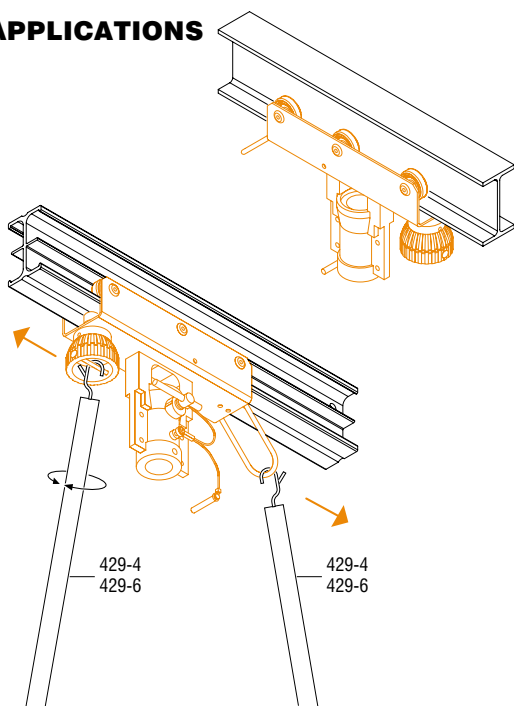
max. load: 90 kg
198 lb

weight: 1,465 kg
3,227 lb



scale 1:7,5

APPLICATIONS



scale 1:10

Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch.
IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3705



Carriage with twist lock and 1-1/8" female attachment

Designed to run on curved rails.



material main body: steel
part: blue plastic



finish: grey powder coating with orange peel finish RAL 7016



weight: 1,100 kg
2,424 lb



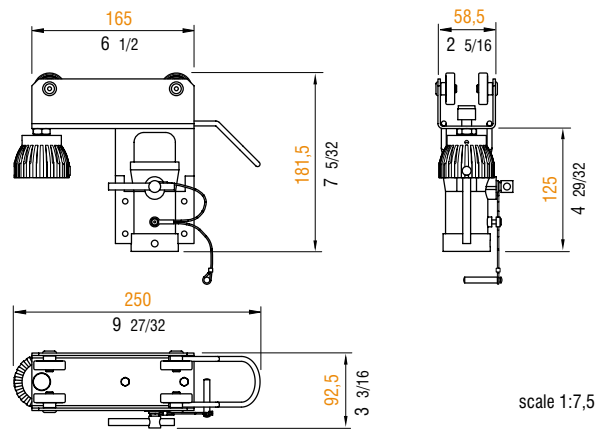
volume: 0,003 cu m
0,1060 cu ft



max. load: 90 kg
198 lb



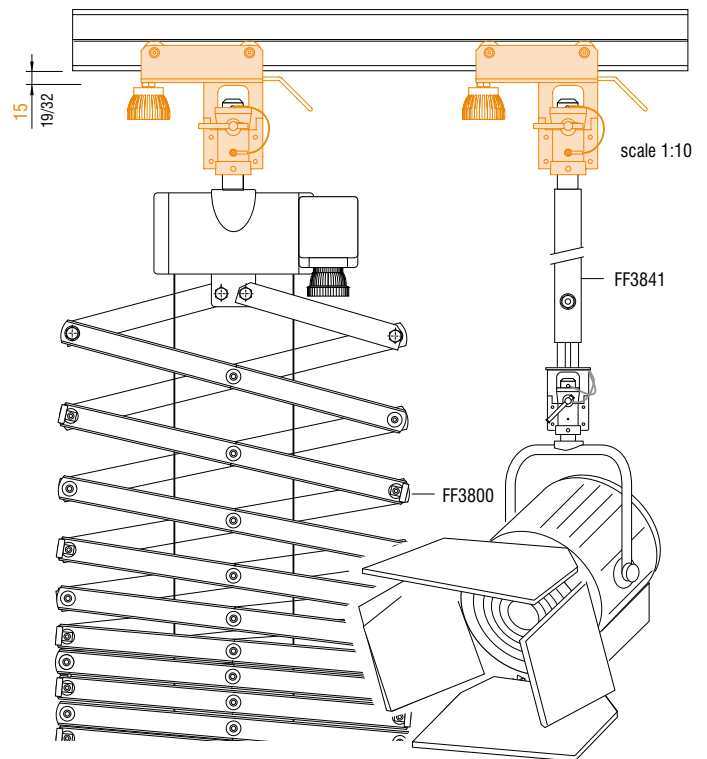
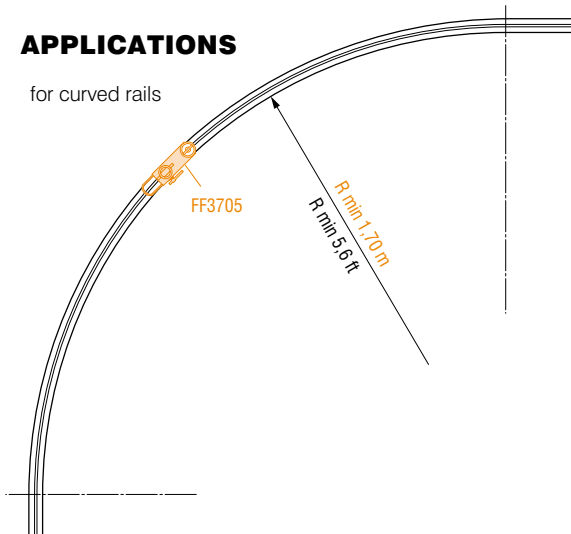
weight: 1,3 kg
2,86 lb



5

APPLICATIONS

for curved rails



Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch.
IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3710



Detachable carriage with twist lock and 1-1/8" female attachment

One side of the carriage can be removed to attach or detach the carriage to/from the Rail 80. Rail carriage with 1-1/8" female attachment. Twist lock holds carriage in position. Use operating pole to open or release the twist lock.



material main body: steel & aluminium
part: blue plastic



finish: grey powder coating with orange peel finish RAL 7016



weight: 1,684 kg
3,712 lb



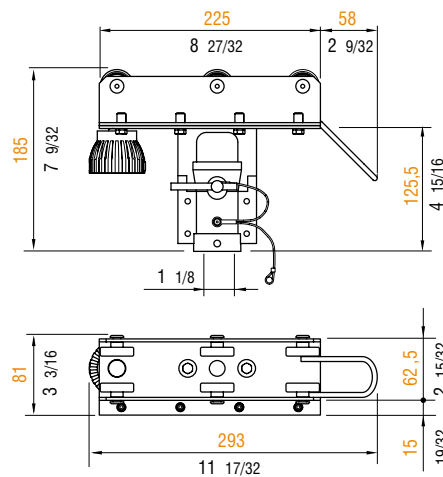
volume: 0,0060 cu m
0,2120 cu ft



max. load: 90 kg
198 lb

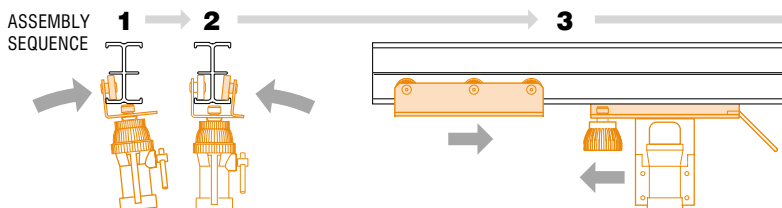
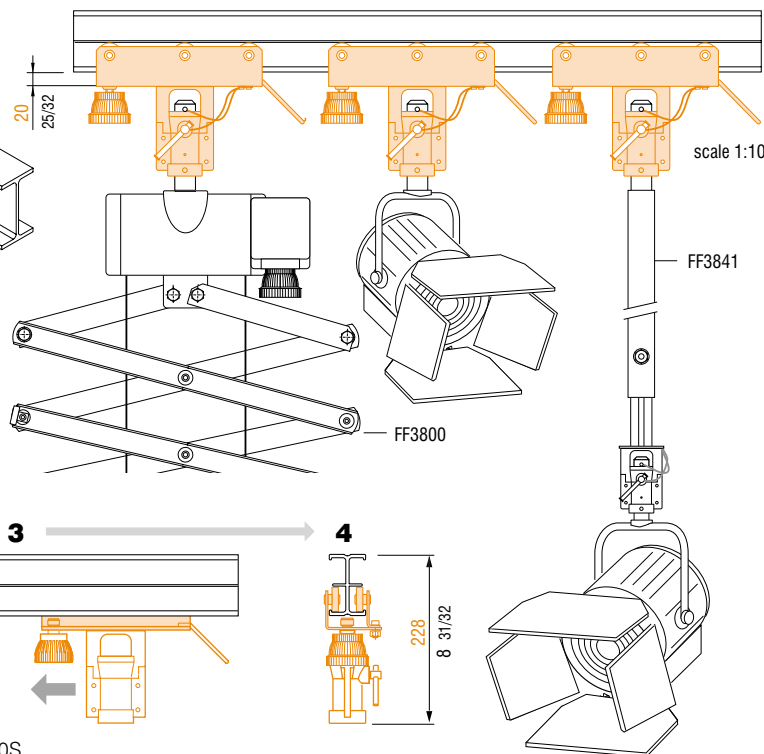
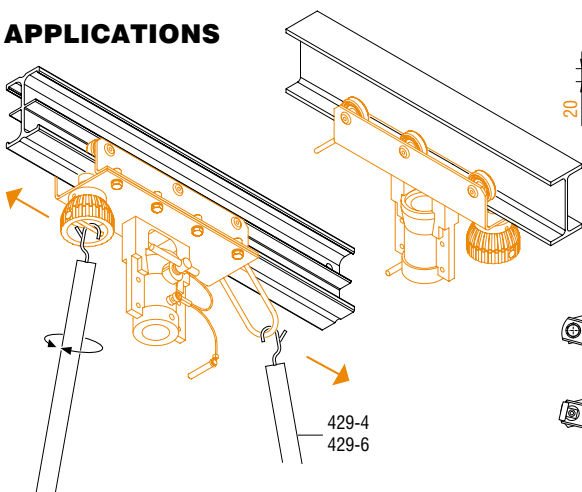


weight: 1,795 kg
3,954 lb



scale 1:7,5

APPLICATIONS



ASSEMBLAGE SEQUENCE for IPE 80 same as art. FF3710S

Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch. IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3710S



Detachable carriage with twist lock and 1-1/8" female attachment

One side of the carriage can be removed to attach or detach the carriage to/from the IPE 100. Rail carriage with 1-1/8" female attachment. Twist lock holds carriage in position. Use operating pole to open or release the twist lock.



material main body: steel & aluminium
part: blue plastic



finish: grey powder coating with orange peel finish RAL 7016



weight: 1,750 kg
3,857 lb



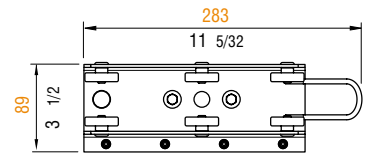
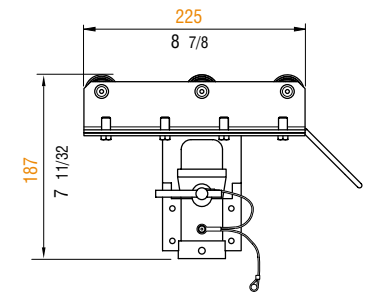
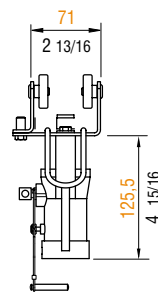
volume: 0,006 cu m
0,211 cu ft



max. load: 90 kg
198 lb

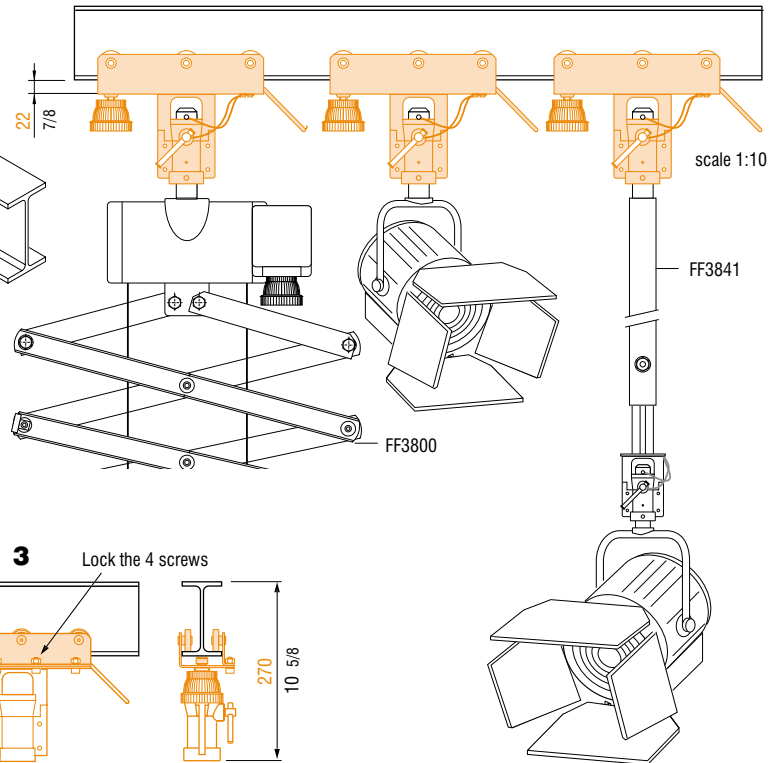
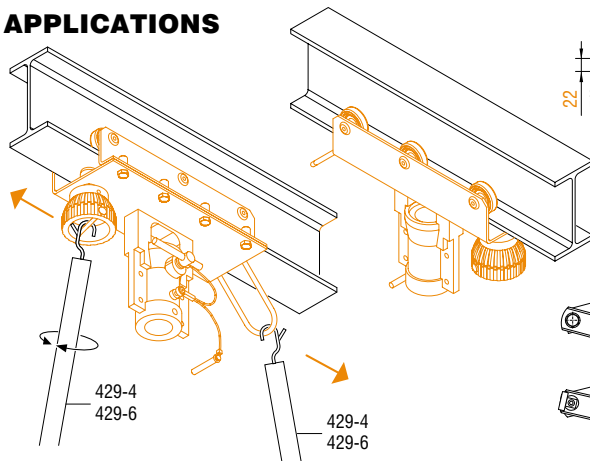


weight: 1,861 kg
4,1 lb



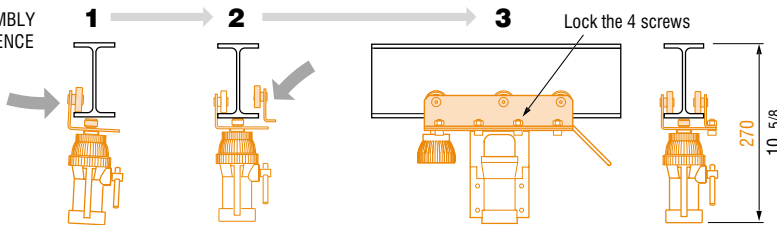
scale 1:7,5

APPLICATIONS



scale 1:10

ASSEMBLY SEQUENCE



Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch.
IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3710S120



Detachable carriage with twist lock and 1-1/8" female attachment

One side of the carriage can be removed to attach or detach the carriage to/from the IPE 120. Rail carriage with 1-1/8" female attachment. Twist lock holds carriage in position. Use operating pole to open or release the twist lock.



material main body: steel & aluminium
part: blue plastic



finish: grey powder coating with orange peel finish RAL 7016



weight: **1,810 kg**
3,989 lb



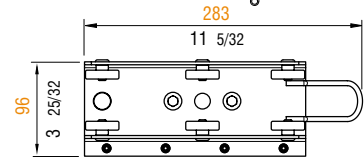
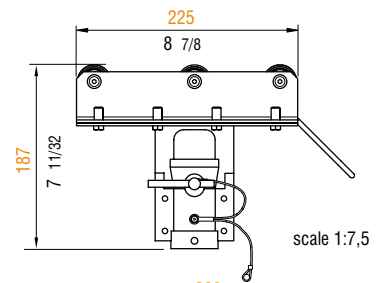
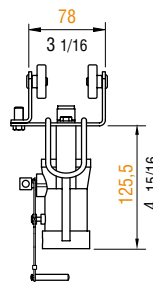
volume: **0,006 cu m**
0,211 cu ft



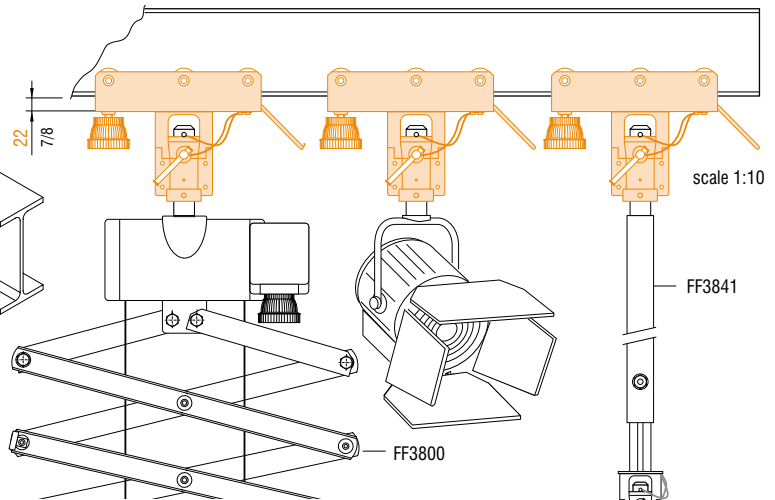
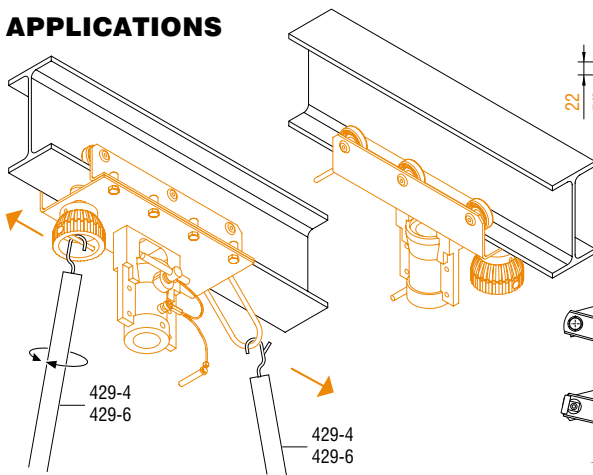
max. load: **90 kg**
198 lb



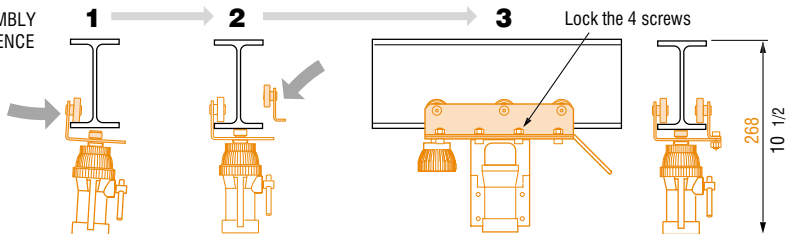
weight: **1,912 kg**
4,215 lb



APPLICATIONS



ASSEMBLY SEQUENCE



Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch.
IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3719



Carriage with twist lock and 1-1/8 female attachment for receptacle

Twist lock holds carriage in position. Use operating pole to open or release the twist lock.
Receptacle not included.



material main body: steel & aluminium
part: blue plastic



finish: grey powder coating with orange peel finish RAL 7016



weight: **1,90 kg**
4,10 lb



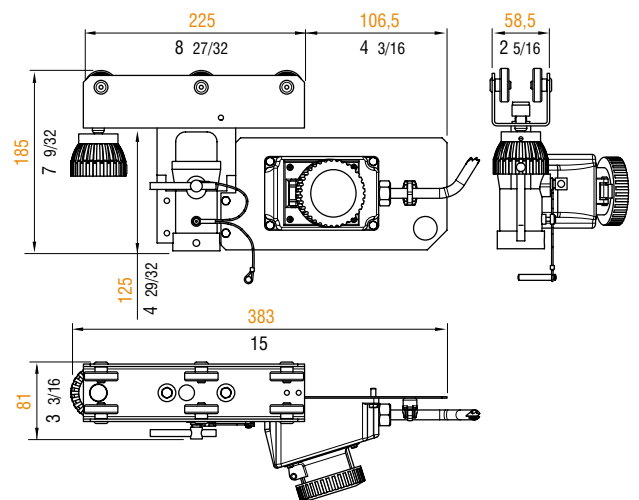
volume: **0,007 cu m**
0,247 cu ft



max. load: **90 kg**
198 lb

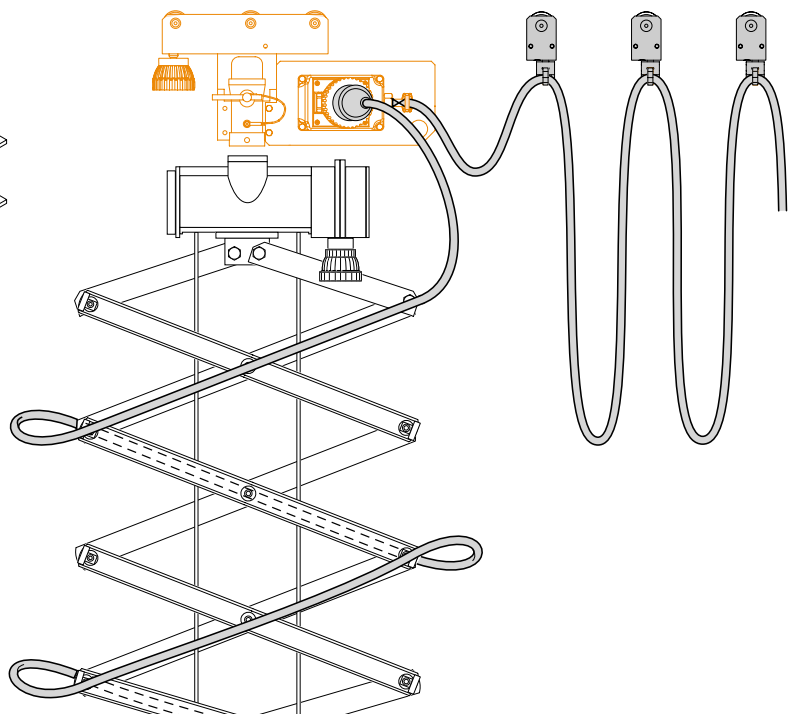
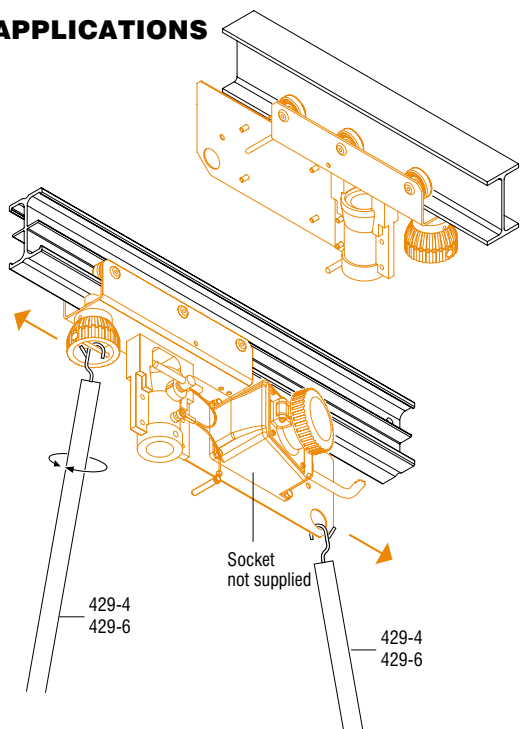


weight: **2,1 kg**
4,6 lb



5

APPLICATIONS



Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch.
IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3709



Detachable carriage with 1-1/8" female attachment

Carriage for pipes. Spring-loaded brake pad holds carriage in position. To release the brake pull down on wire with operating pole.



material main body: steel
part: blue plastic



finish: grey powder coating with orange peel finish RAL 7016



weight: 1,990 kg
4,386 lb



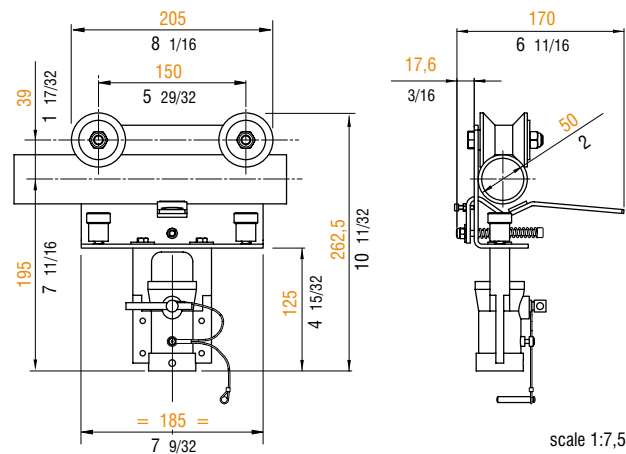
volume: 0,0120 cu m
0,4240 cu ft



max. load: 90 kg
198 lb

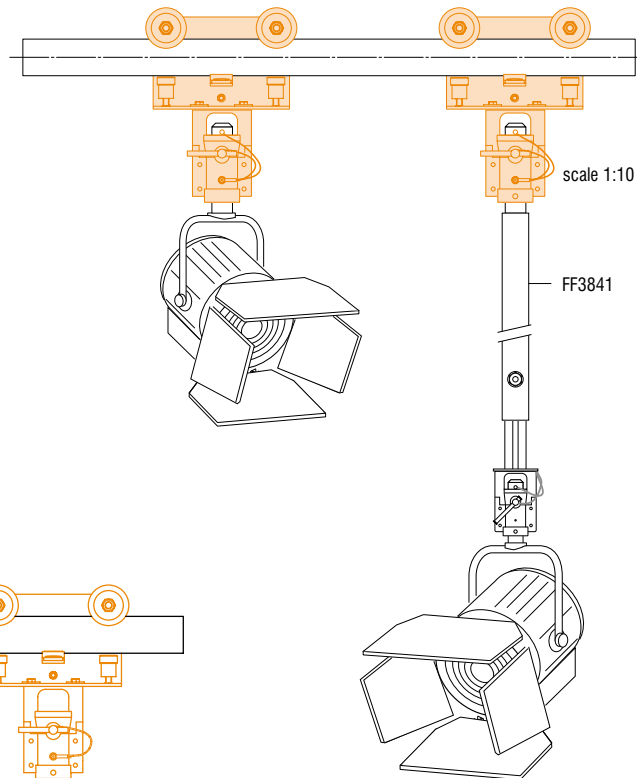
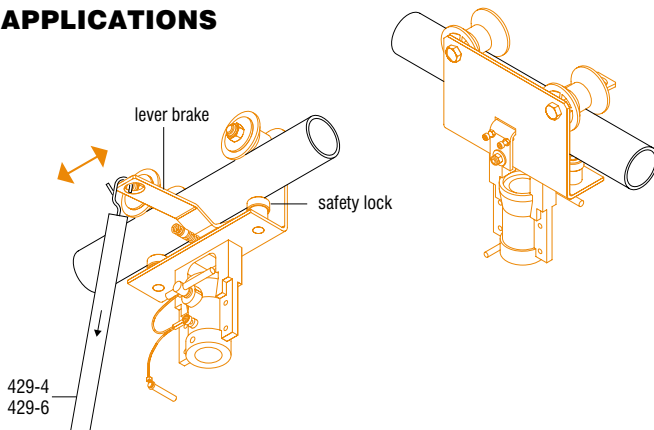


weight: 2,030 kg
4,471 lb

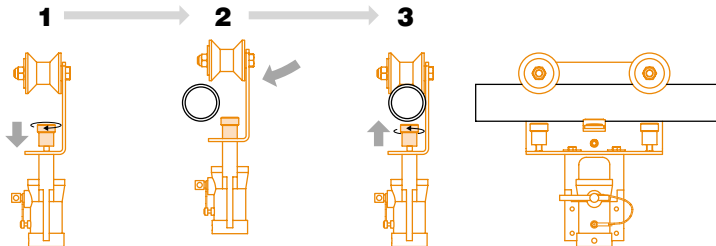


5

APPLICATIONS



ASSEMBLY SEQUENCE



Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch.
IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3709D

Detachable carriage with universal head

Carriage for pipes. Spring-loaded brake pad holds carriage in position. To release the brake pull down on wire with operating pole. Universal head with 1-1/8" and 5/8" female and 5/8" male attachment.



material main body: steel
part: blue plastic

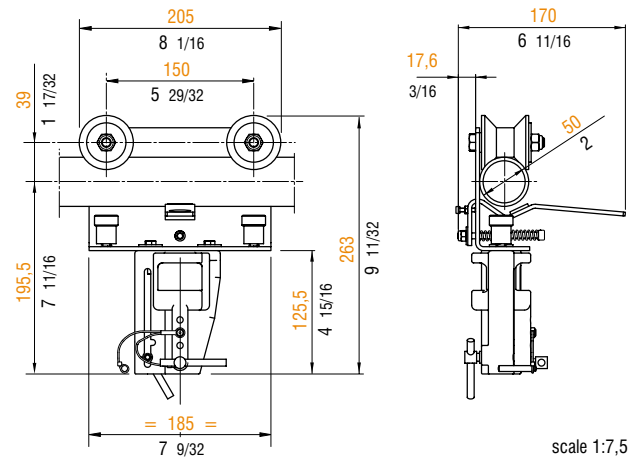
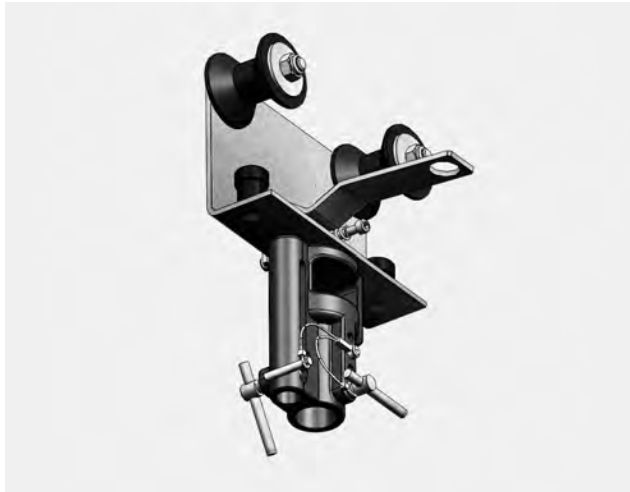
finish: grey powder coating with orange peel finish RAL 7016

weight: 2,150 kg
4,739 lb

volume: 0,0120 cu m
0,4240 cu ft

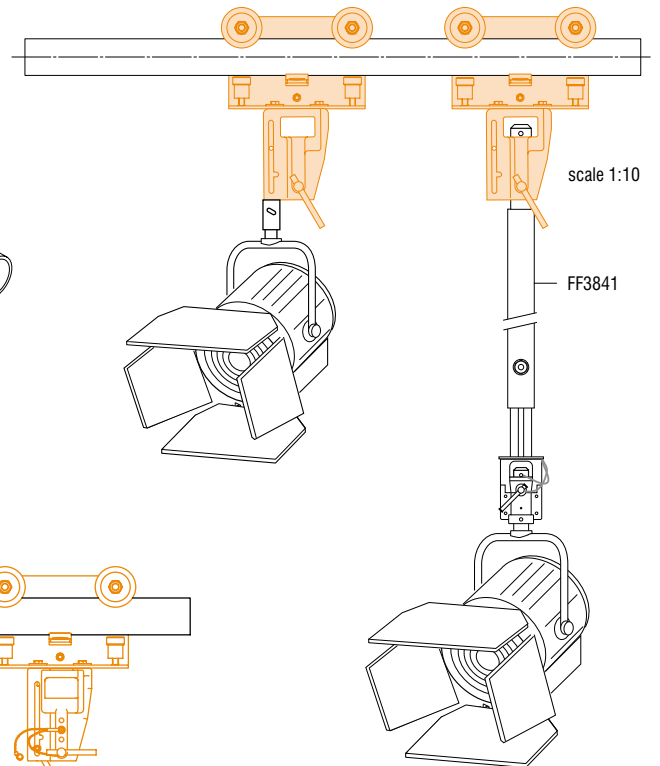
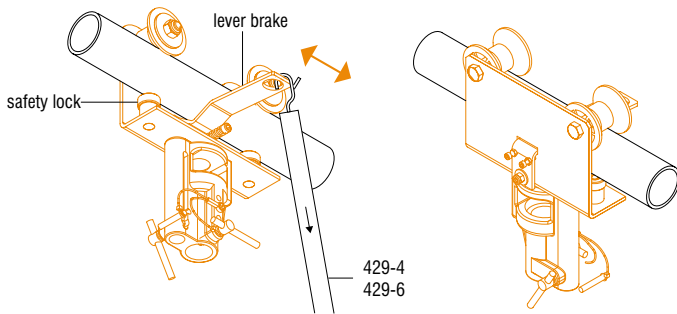
max. load: 90 kg
198 lb

weight: 2,205 kg
4,857 lb

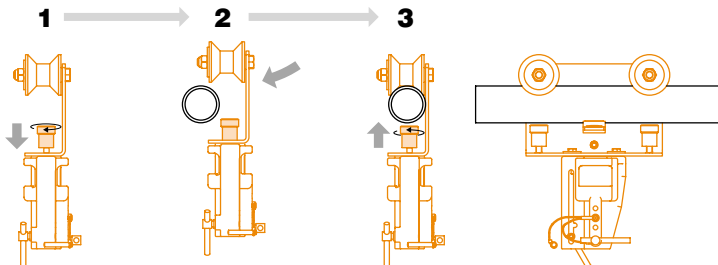


5

APPLICATIONS



ASSEMBLY SEQUENCE



Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch.
IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3709E



Detachable carriage with twist lock and 1-1/8" female attachment

Carriage for pipes. Spring-loaded brake pad holds carriage in position. To release the brake pull down on wire with operating pole.

material main body: steel
part: blue plastic

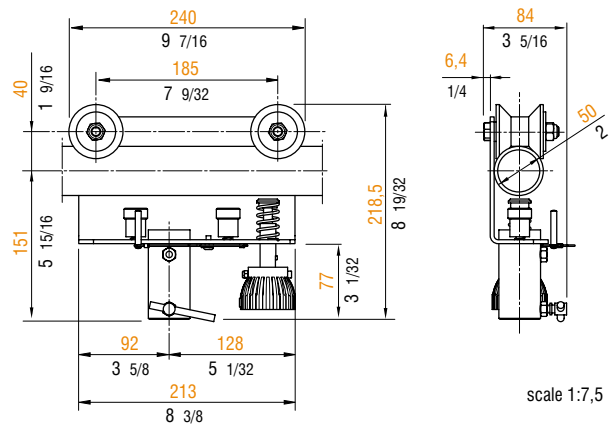
finish: grey powder coating with orange peel finish RAL 7016

weight: 2,100 kg
4,628 lb

volume: 0,0120 cu m
0,4240 cu ft

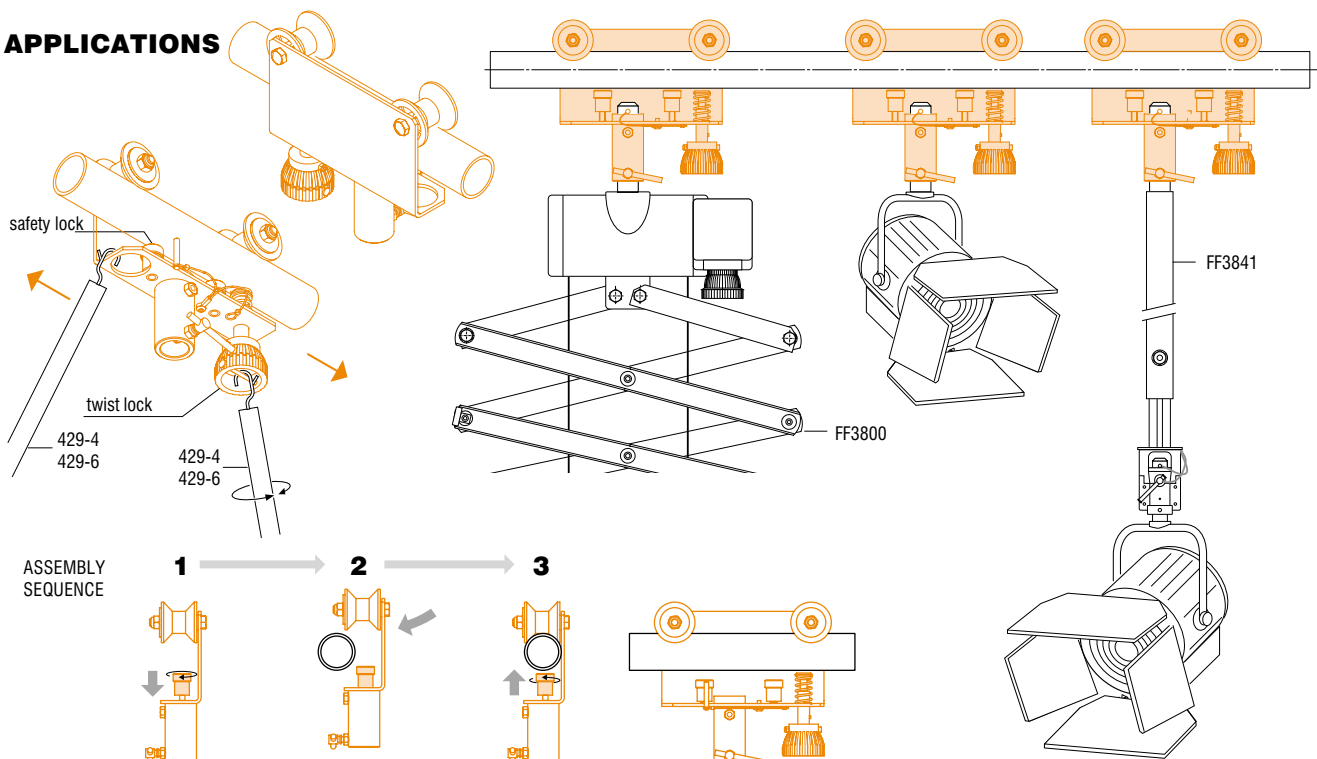
max. load: 90 kg
198 lb

weight: 2,300 kg
5,066 lb



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APPLICATIONS



Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch.
IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

MOTORIZED CARRIAGE



FF3732: for type 80 rails and IPE 80
 FF3732S: for IPE 100
 FF3732S120: for IPE 120



material: steel



max. load: 100 kg
 220 lb



finish: grey powder coating with orange peel finish RAL 7016

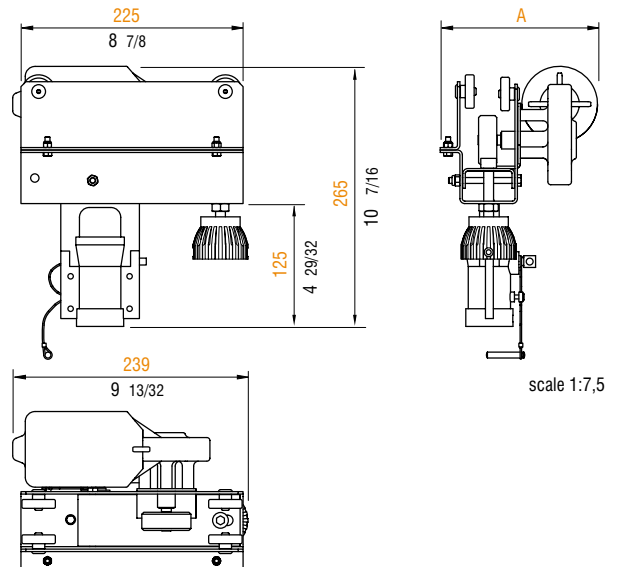
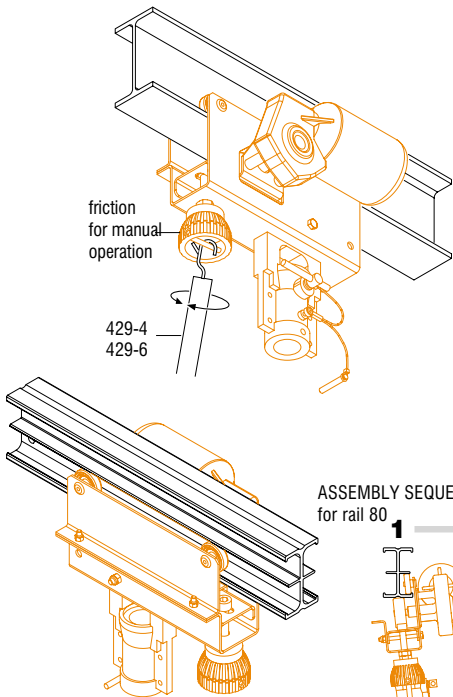
Low voltage 24 VDC - 4A motorized carriage for lateral movements with friction for manual operation. Can be used stand alone or as locomotive for IFF pantographs and drop arms.



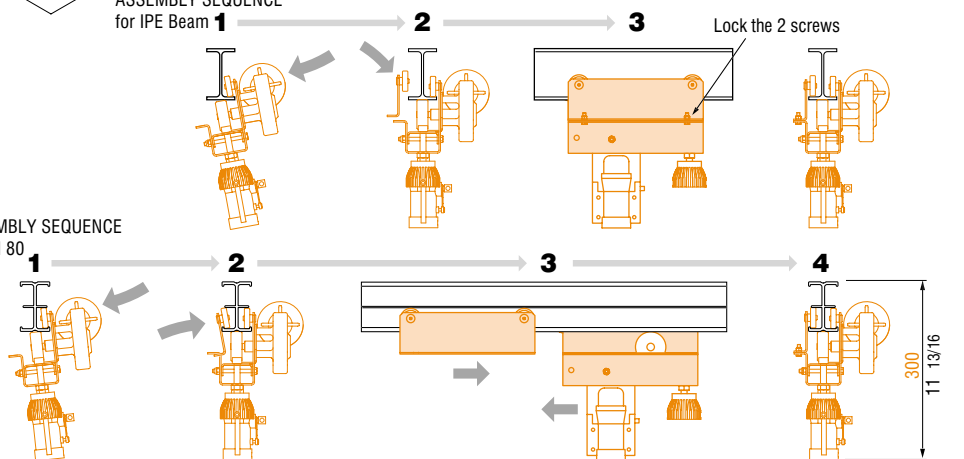
	FF3732	FF3732S	FF3732S120	
A width:	mm	160	166	175
	inch	6 5/16	6 17/32	6 7/8
weight:	kg	3,150	3,400	3,600
	lb	9,944	7,500	7,930
volume:	cu m	0,009	0,01	0,0 11
	cu ft	0,317	0,353	0,388
weight:	kg	3,35	3,6	3,8
	lb	7,380	7,930	8,377

5

APPLICATIONS



ASSEMBLY SEQUENCE for IPE Beam



Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch. **IMPORTANT:** installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

The double carriage interfaces the fixed rail with the movable rail.
 Due to the design of the pivot point the movable rail can be slewed at an angle dependant upon its overall length. This can be very useful for lighting into corners etc.
 Double carriages are also available for rail to pipe applications where the use of 48mm pipe is preferred.

QUICK SELECTION GUIDE

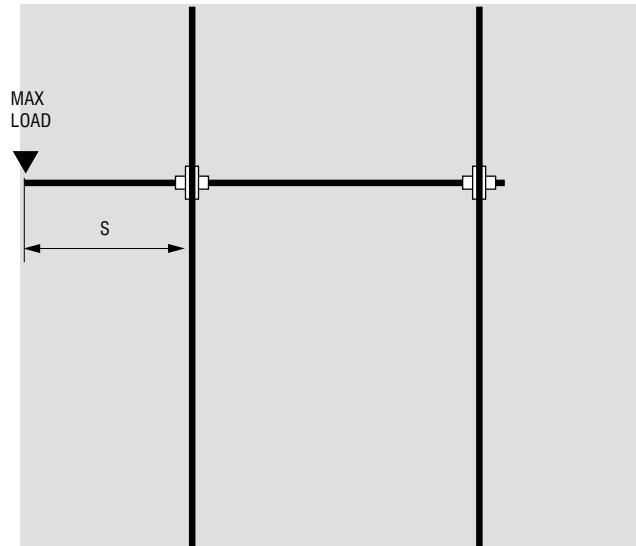
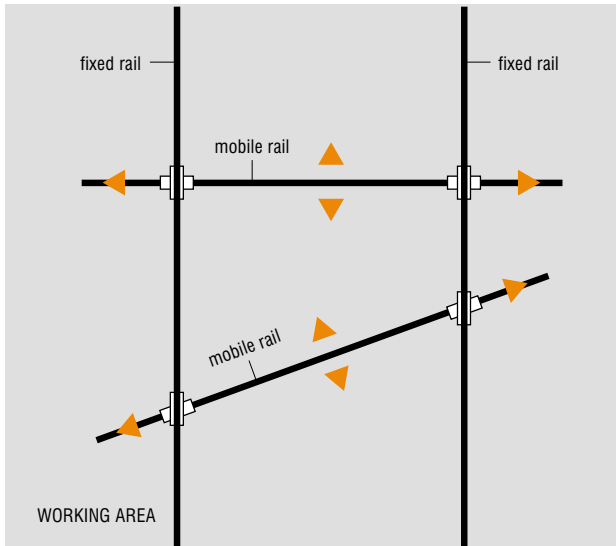
PRODUCT	CODE	DESCRIPTION	APPLICATION	DATAS	PAGE
	FF3235	Double carriage with brakes		0,580kg/1,278lb 0,0007m/0,0247ft 0,640kg/1,410lb	6.40
	FF3700	Double carriage for rail 80		1,900kg/4,188lb 0,0045m/0,1590ft 1,970kg/4,343lb	6.50
	FF3713	Double carriage for rail 80 to rail 60		1,700kg/3,747lb 0,0045m/0,1590ft 1,770kg/3,902lb	6.60
	FF3706	Carriage for cross pipes		1,590kg/3,504lb 0,0060m/0,2120ft 1,700kg/3,744lb	6.70
	FF3715	Pipe carriage for cross pipes		3,032kg/6,683lb 0,0075m/0,2650ft 3,090kg/6,812lb	6.80

Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch.
 IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

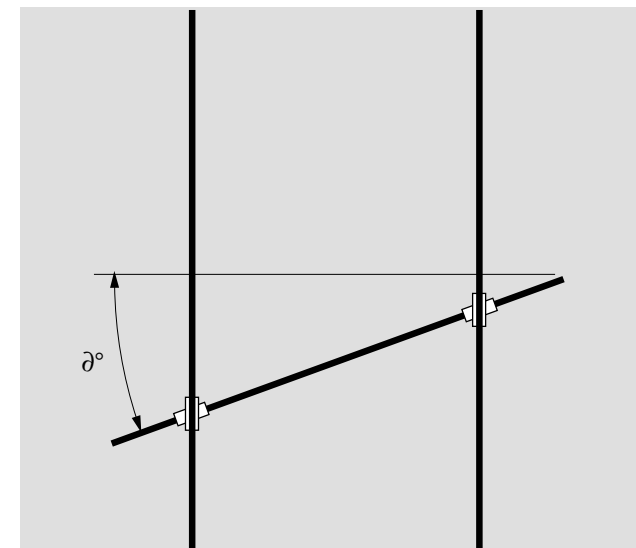
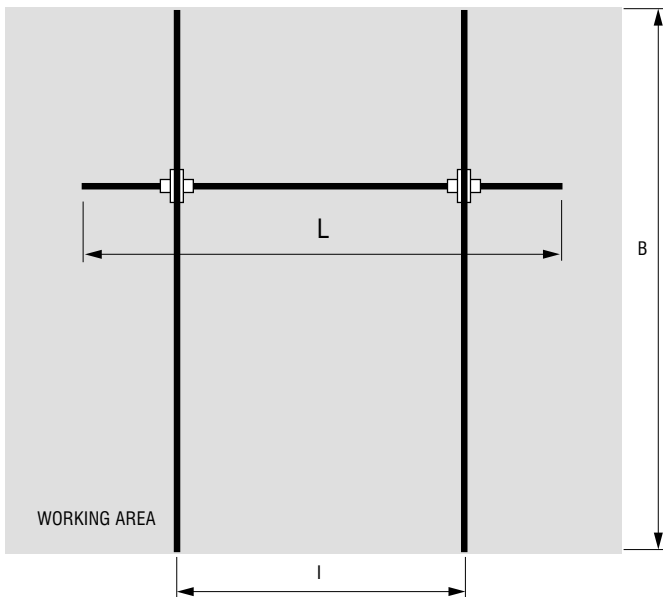
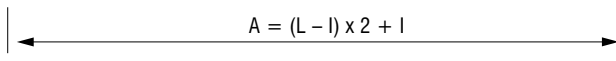
DOUBLE CARRIAGES

To increase the rail system performance, double carriages are available to attach mobile rails onto fixed rails. Double carriages allow the operator to move and tilt mobile rails in any direction. With this flexible system, lights and accessories can be easily positioned within the working area.

6



"S" depends on the rail type. Please refer to the technical data sheet on the rail chapter.



θ° on carriages with cup max 40°
 θ° on carriages without cup it depends on the length of moving rail.

FF3235

± 60

Double carriage with brakes

Double carriage with spring-loaded brake pads on each section.
To release the brake pull down on wire with operating pole.
Used to connect a mobile rail to a fixed rail.



material: steel



finish: grey powder coating with orange peel finish RAL 7016



weight: 0,580 kg
1,278 lb



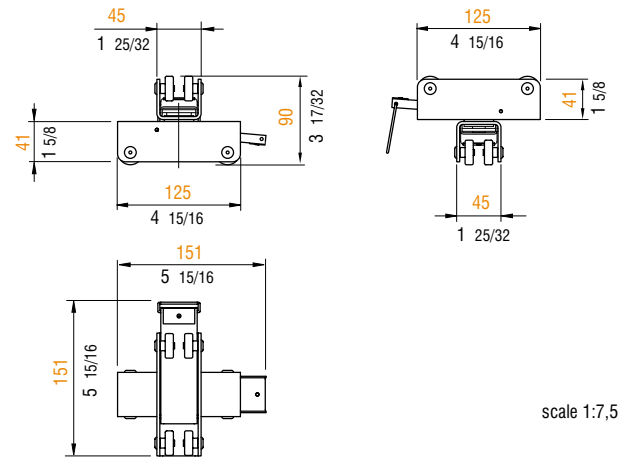
volume: 0,0007 cu m
0,0247 cu ft



max. load: 100 kg
220 lb

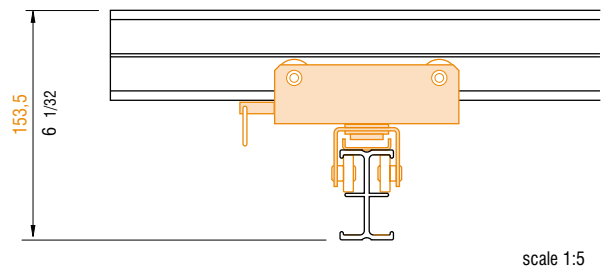
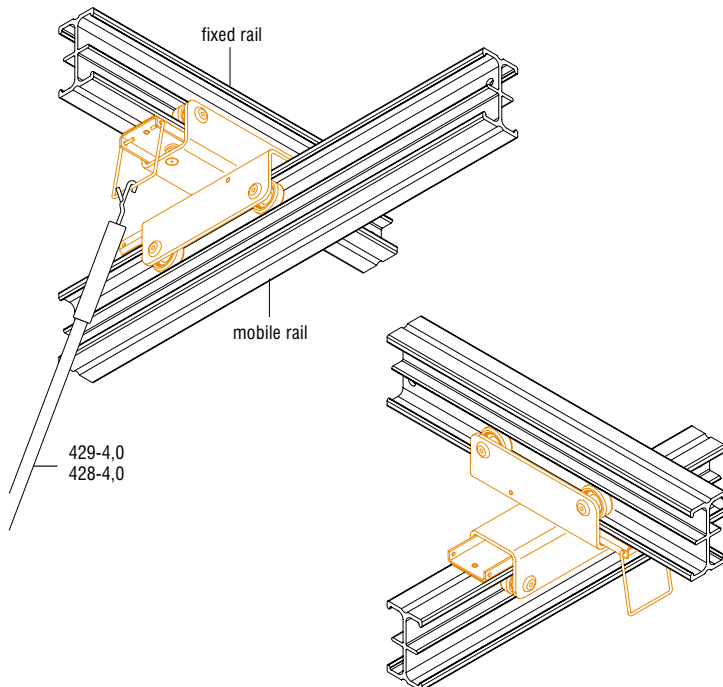


weight: 0,640 kg
1,410 lb



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APPLICATIONS



Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch.
IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3700



Double carriage for Rail 80

Double carriage with 6 bearing wheels each. Upper carriage with twist lock, lower carriage with friction brake.



material main body: steel
part: blue plastic



finish: grey powder coating with orange peel finish RAL 7016



weight: 1,900 kg
4,188 lb



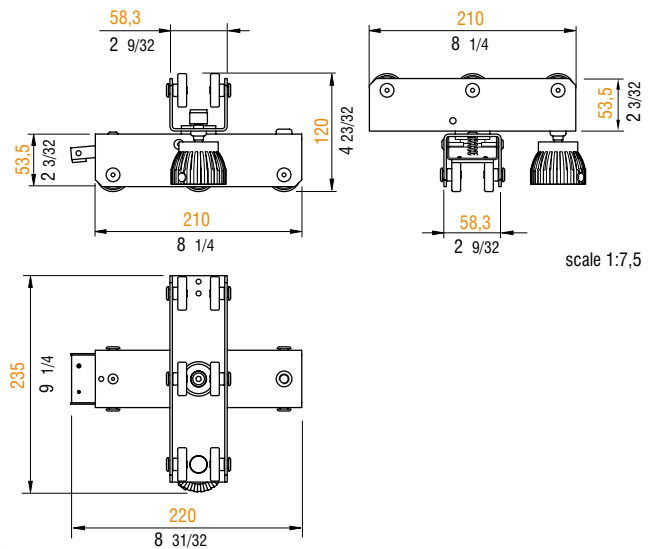
volume: 0,0045 cu m
0,1590 cu ft



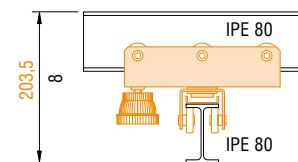
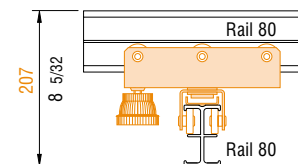
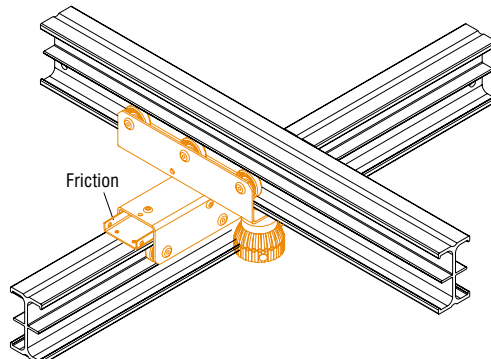
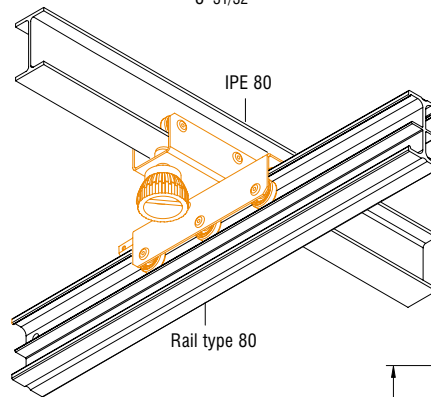
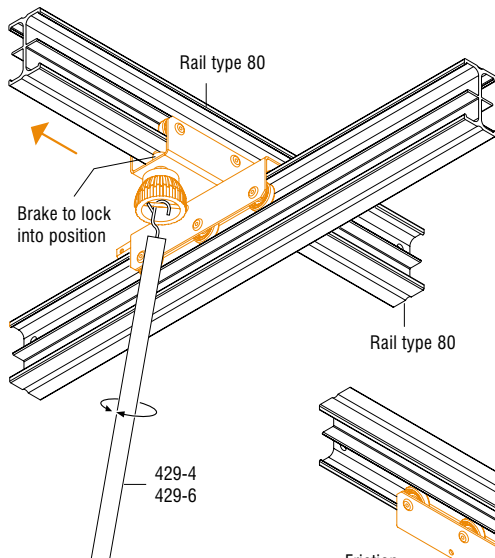
max. load: 200 kg
441 lb



weight: 1,970 kg
4,343 lb



APPLICATIONS



scale 1:10

Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch.
IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3713



Double carriage Rail 80 to Rail 60

Double carriage used to connect moving Rail 60 to a fixed Rail 80; upper carriage with 6 bearing wheels and twist lock lower carriage with 4 bearing wheels and friction brake.



material main body: steel
part: blue plastic



finish: grey powder coating with orange peel finish RAL 7016



weight: 1,700 kg
3,747 lb



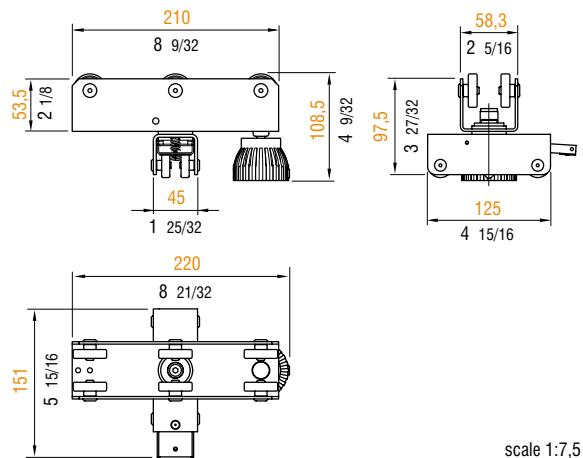
volume: 0,0045 cu m
0,1590 cu ft



max. load: 100 kg
220 lb



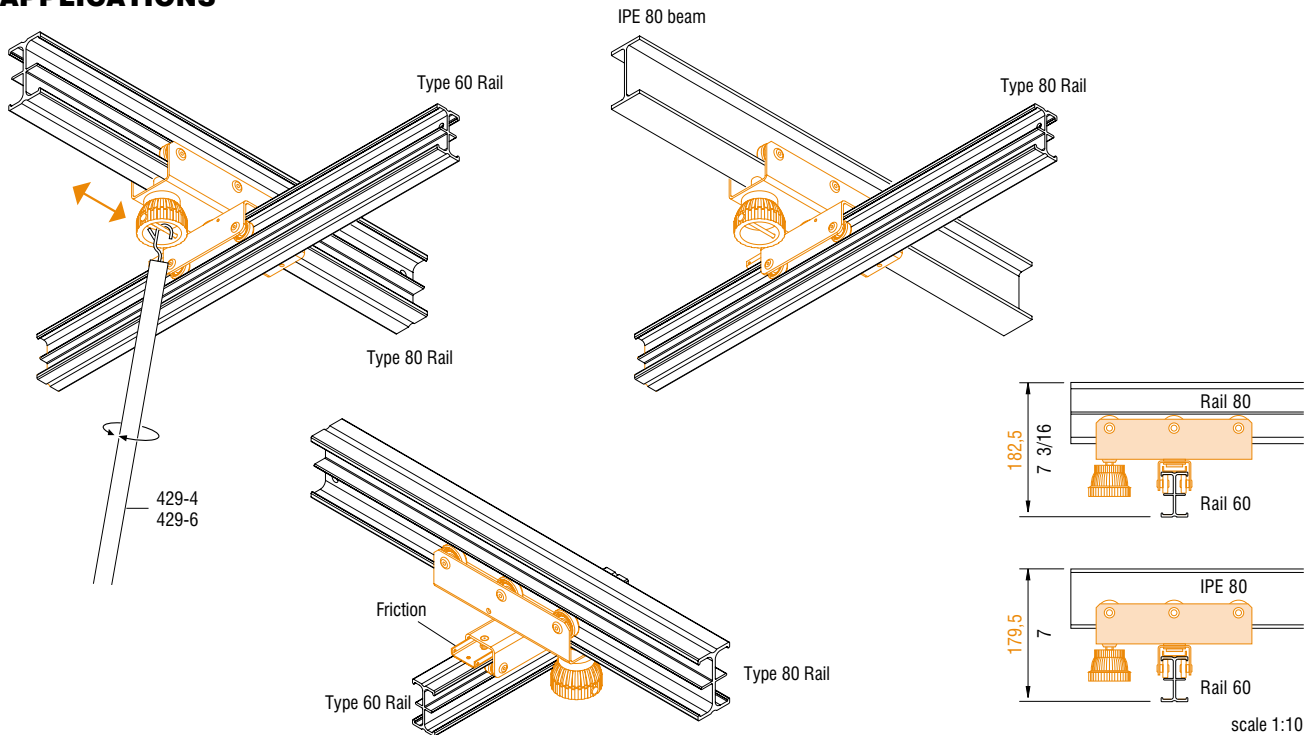
weight: 1,770 kg
3,902 lb



scale 1:7,5

6

APPLICATIONS



scale 1:10

Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch.
IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3706



Carriage for cross pipes

Carriage with clamp for pipes up to 52mm (2") diameter; with 6 bearing wheels and twist lock.



material main body: steel
part: blue plastic



finish: grey powder coating with orange peel finish RAL 7016



weight: 1,590 kg
3,504 lb



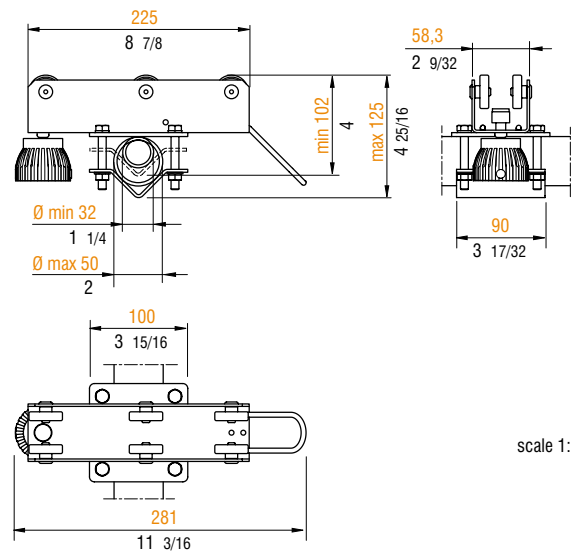
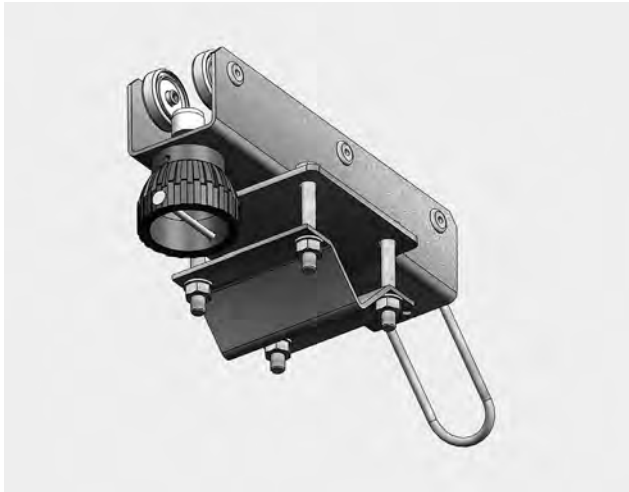
volume: 0,0060 cu m
0,2120 cu ft



max. load: 200 kg
441 lb

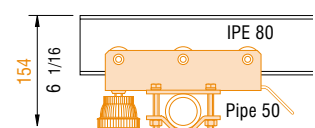
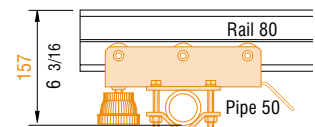
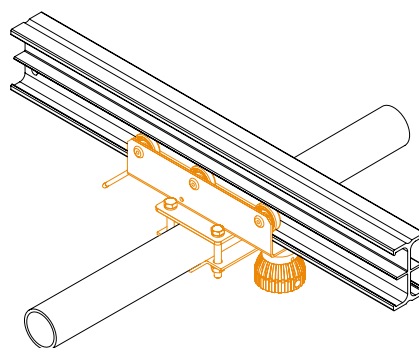
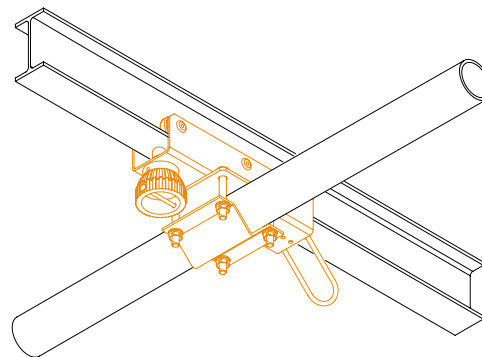
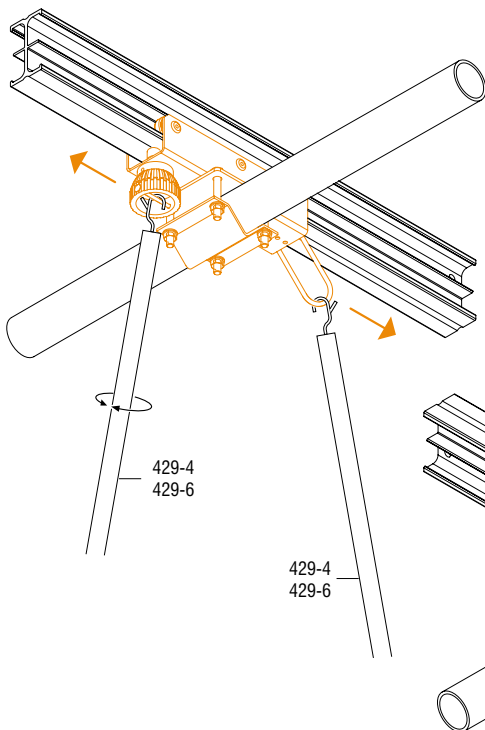


weight: 1,700 kg
3,744 lb



scale 1:7,5

APPLICATIONS



scale 1:10

Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch.
IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3715



Pipe Carriage for cross pipes

Pipe carriage with twist lock, complete with pipe clamp for pipes from 32 mm to 52 mm (1 1/4" to 2").



material main body: steel
part: blue plastic



finish: grey powder coating with orange peel finish RAL 7016



weight: 3,032 kg
6,683 lb



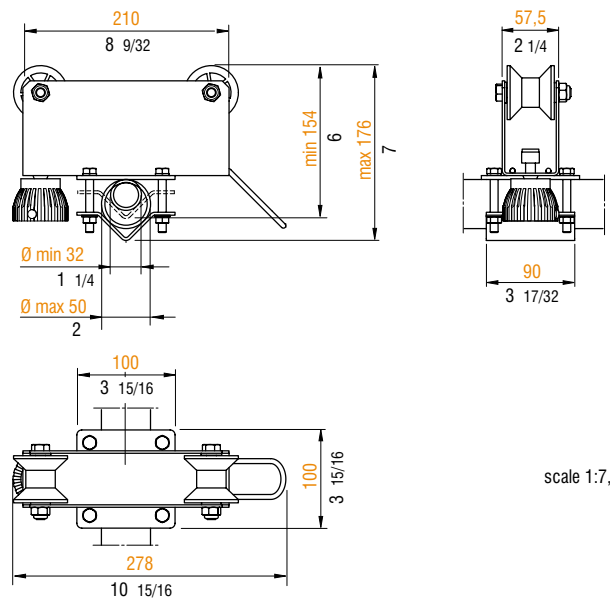
volume: 0,0075 cu m
0,2650 cu ft



max. load: 200 kg
441 lb

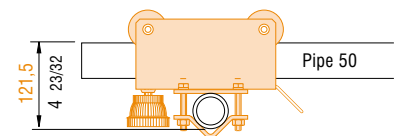
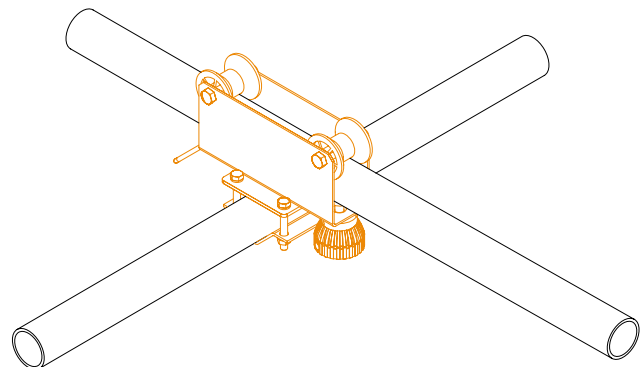
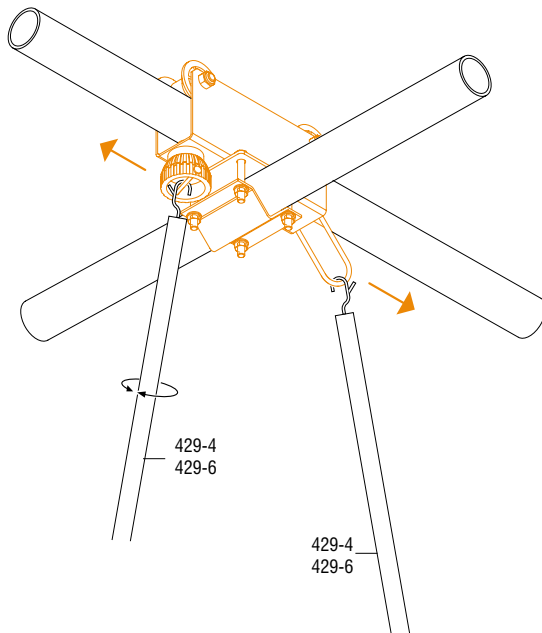


weight: 3,090 kg
6,812 lb



scale 1:7,5

APPLICATIONS




























Pipe 50 scale 1:10

Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch. **IMPORTANT:** installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

Without the use of cable carriages the finished installation can become untidy as electrical supply cables hang loosely down. The use of our cable carriages will help to ensure a tidy and safe electrical installation. Furthermore when the movable rail is moved the cable carriages will ensure that the power follows it.

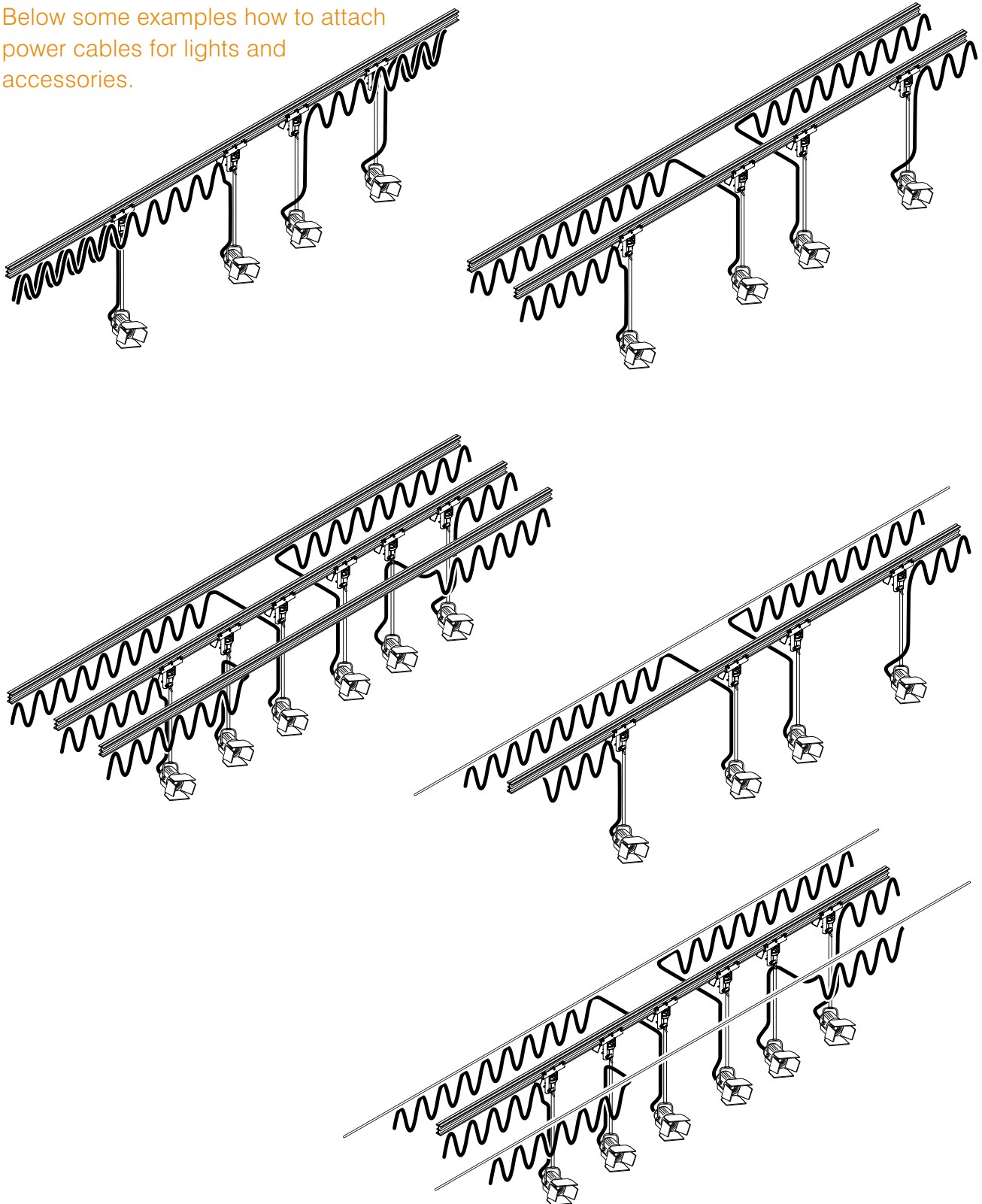
QUICK SELECTION GUIDE

PRODUCT	CODE	DESCRIPTION	APPLICATION	DATAS	PAGE
	FF3226C	Kit of 5 cable carriages with bearing		 0,316kg/0,636lb  0,0007m/0,0247ft  0,5kg/1,1lb	7.40
	FF3226V	Rail 60 cable carriage		 0,369kg/0,813lb  0,0015m/0,0530ft  0,369kg/0,813lb	7.50
	FF3716	Rail 80 cable carriage		 0,400kg/0,881lb  0,0020m/0,0707ft  0,400kg/0,881lb	7.60
	FF3717	Rail 80 heavy duty cable carriage		 0,356kg/0,785lb  0,0009m/0,032ft  0,365kg/0,804lb	7.70
	FF3226F	Wire rope cable carriage		 0,216kg/0,476lb  0,0005m/0,0177ft  0,216kg/0,476lb	7.80

Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch. 
IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

CABLE CARRIAGE SYSTEMS

Below some examples how to attach power cables for lights and accessories.




7


FF3226C


± 60


Kit of 5 cable carriages with bearing


Made to support electrical cable from 8 to 16mm diameter (3/8" to 5/8") on rail type 60. Cable held by standard cable tie, not supplied.

 material: body: black plastic

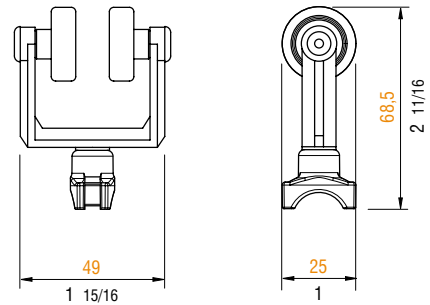
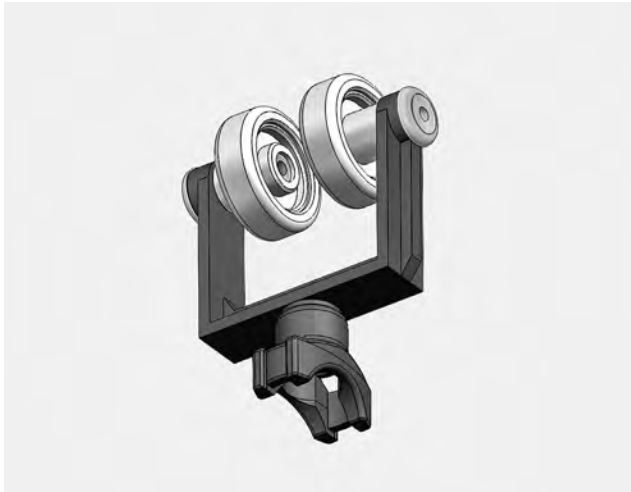
 finish: NA

 weight: **0,316 kg**
0,696 lb

 volume: **0,0007 cu m**
0,0247 cu ft

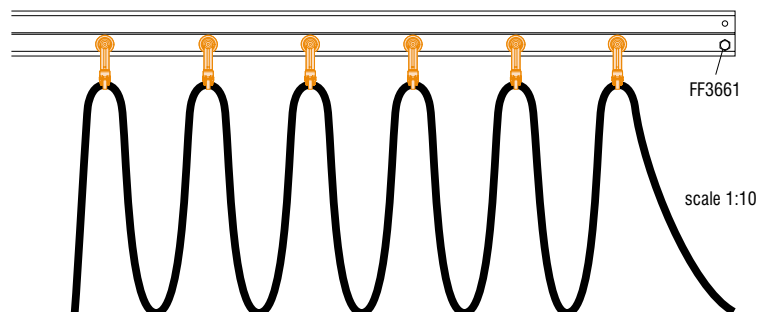
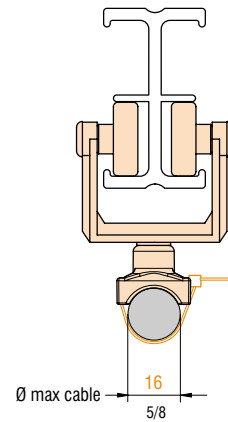
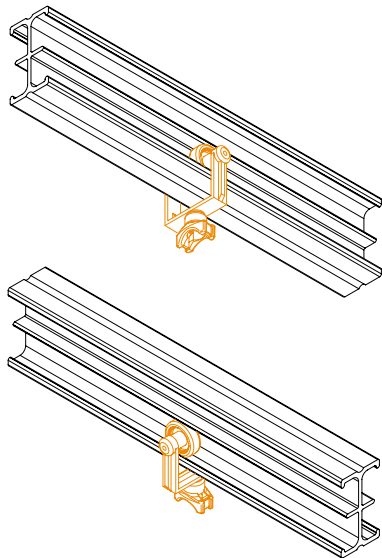
 max. load: **8 kg**
17,630 lb


 weight: **0,5 kg**
1,1 lb



scale 1:2,5

APPLICATIONS



Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch. 
IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3226V

⚙ 60

Rail 60 cable carriage

Made to support up to 3 electrical cables from 8 to 16mm diameter (3/8" to 5/8") on rail type 60. Cables held by standard cable tie, not supplied



material main body: steel
part: black plastic



finish: grey powder coating with orange peel finish RAL 7016



weight: 0,369 kg
0,813 lb



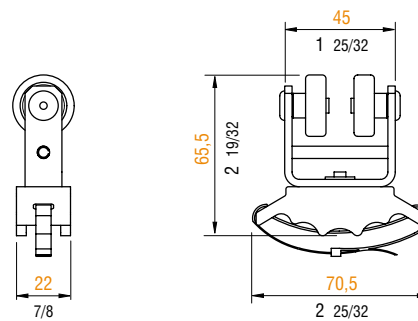
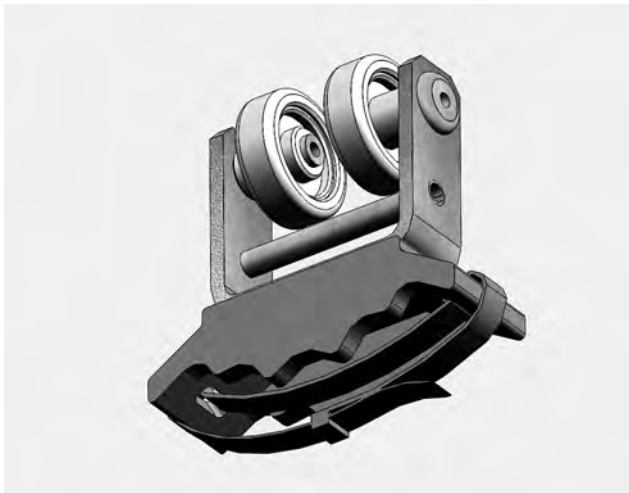
volume: 0,0015 cu m
0,0530 cu ft



max. load: 9 kg
20 lb

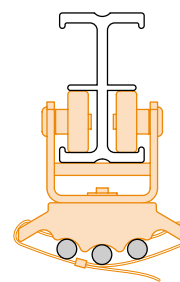
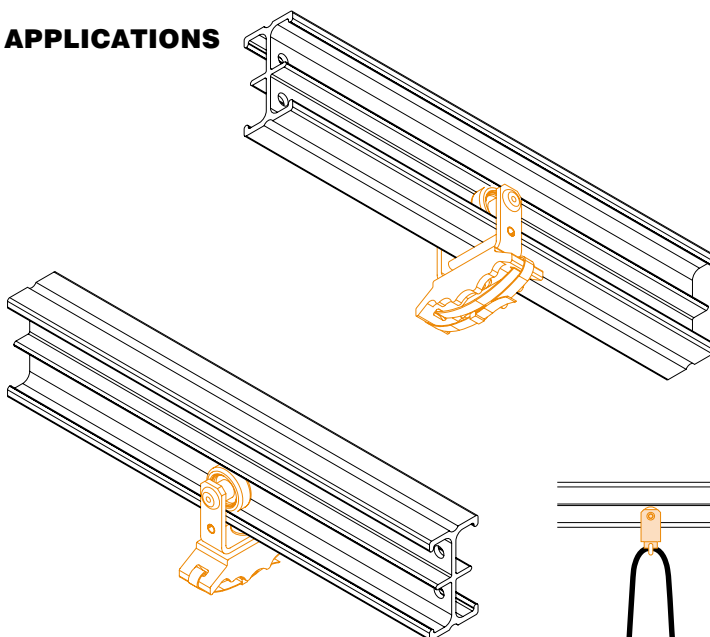


weight: 0,369 kg
0,813 lb

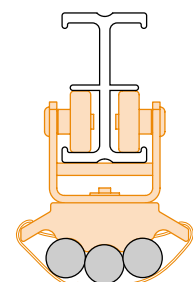


scale 1:3

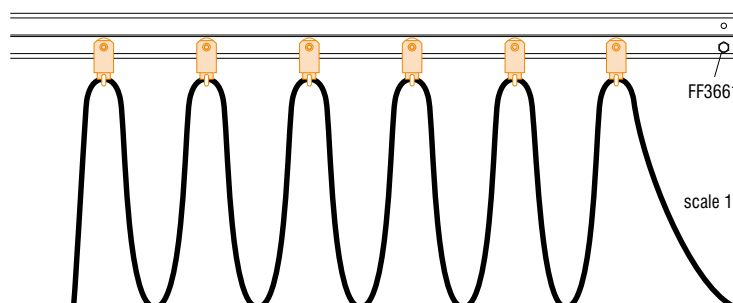
APPLICATIONS



3 cables Ø 8 min (5/16")



3 cables Ø 16 max (5/8")



scale 1:10

Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch.
IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3716



Rail 80 cable carriage

Made to support up to 3 electrical cables from 8 to 16mm diameter (3/8" to 5/8") on Rail type 80. Cables held by standard cable tie, not supplied.



material main body: steel
part: black plastic



finish: grey powder coating with orange peel finish RAL 7016



weight: 0,400 kg
0,881 lb



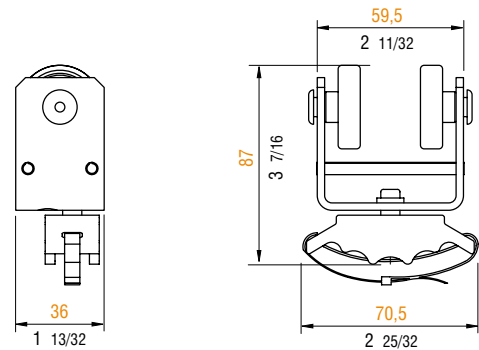
volume: 0,0020 cu m
0,0707 cu ft



max. load: 9 kg
20 lb

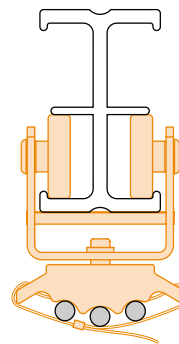
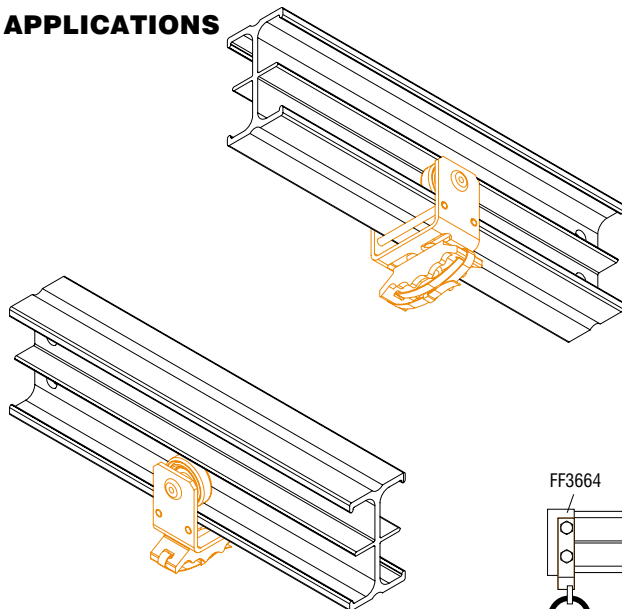


weight: 0,400 kg
0,881 lb

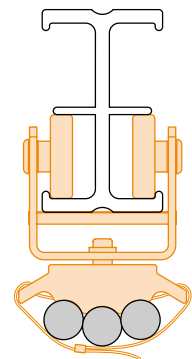


scale 1:3

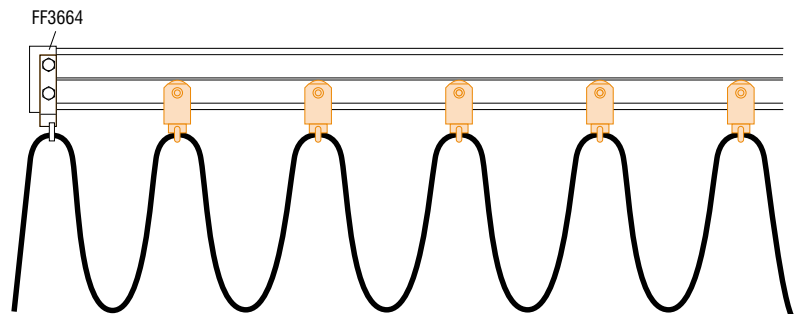
APPLICATIONS



3 cables Ø 8 min



3 cables Ø 16 max



Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch. **IMPORTANT:** installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3717



Rail 80 heavy duty cable carriage

Made to support flat electrical cables up to 5x5 sq cm (2x2 sq inches).

material main body: steel
part: blue plastic

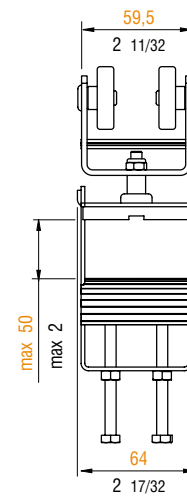
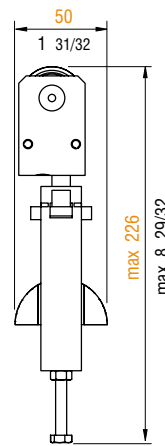
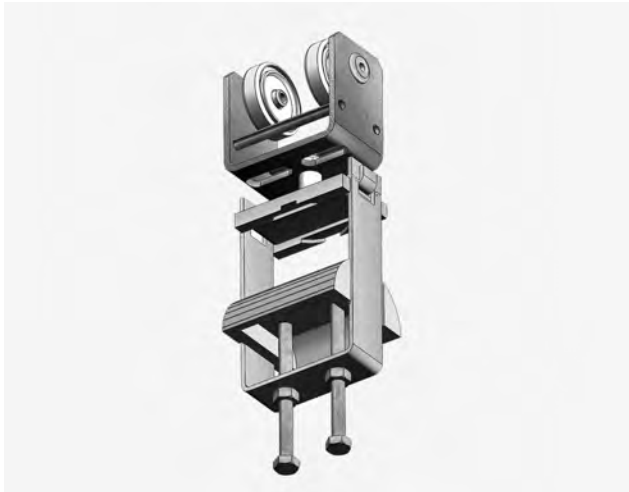
finish: body: grey powder coating with orange peel finish RAL 7016
part: tropicalized

weight: 0,356 kg
0,785 lb

volume: 0,0009 cu m
0,032 cu ft

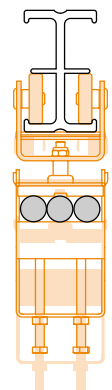
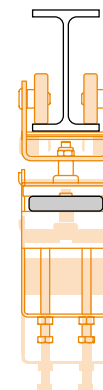
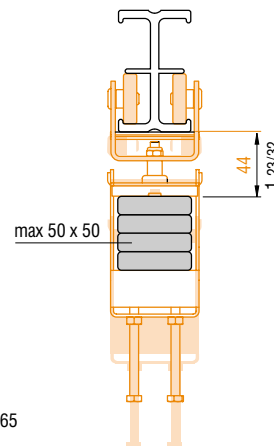
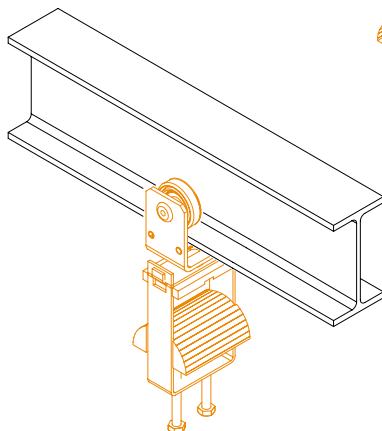
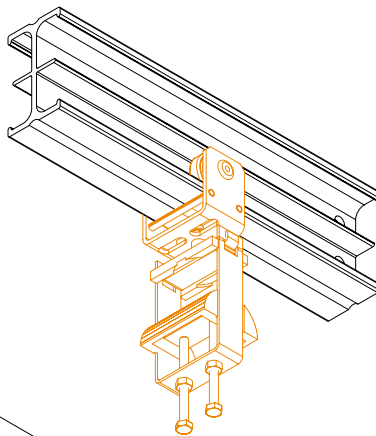
max. load: 9 kg
20 lb

weight: 0,365 kg
0,804 lb

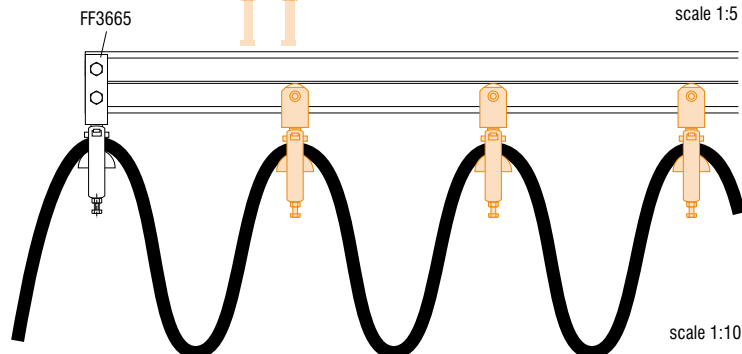


scale 1:4

APPLICATIONS



scale 1:5





Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch.
IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3226F

Wire rope cable carriage


Mounted on a taut 8mm(5/16") diameter steel wire to support up to 40mm x 40mm (1 9/16" x 1 9/16") for distances up to 12m (40').

 material main body: steel
part: plastic

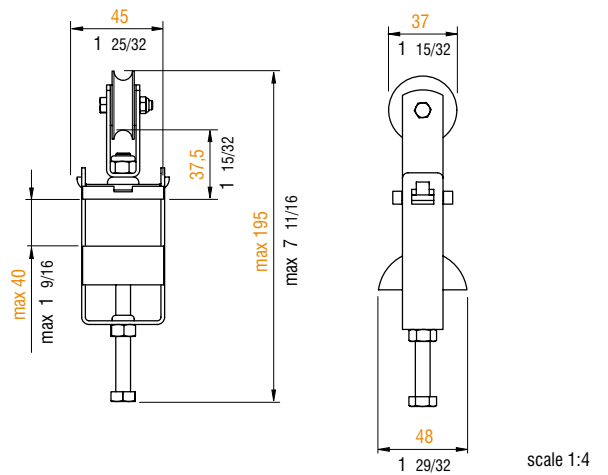
 finish: body tropicalized

 weight: 0,216 kg
0,476 lb

 volume: 0,0005 cu m
0,0177 cu ft

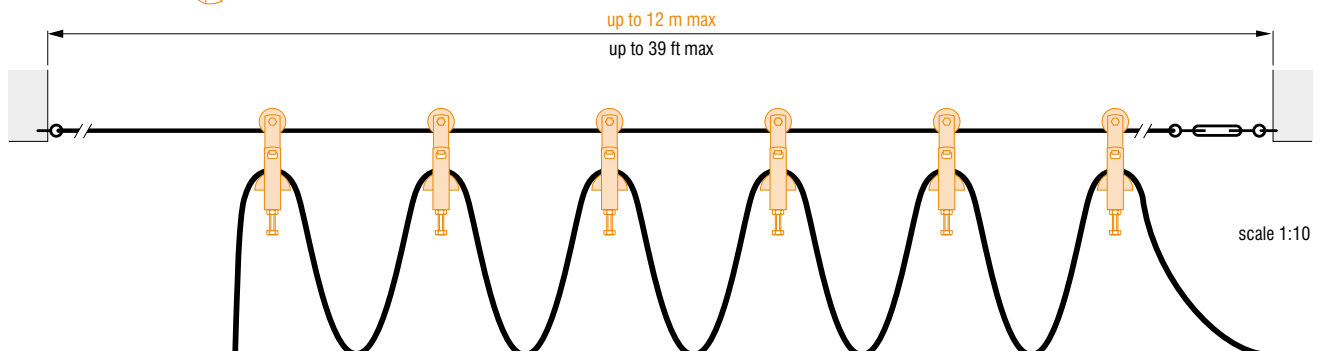
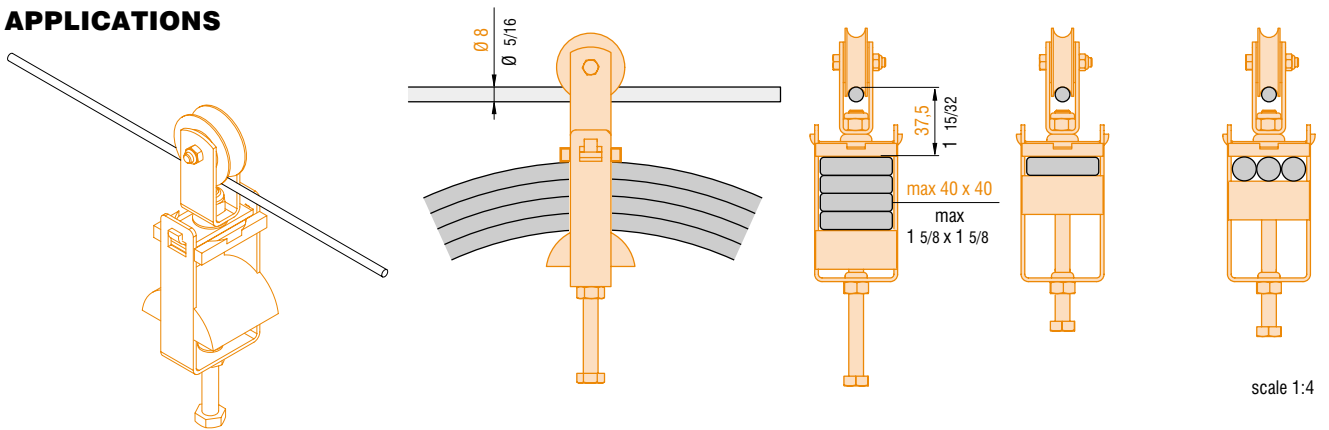
 max. load: 9 kg
20 lb


 weight: 0,216 kg
0,476 lb



7






APPLICATIONS




Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch. 
IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

A comprehensive selection of curtain carriages have been designed to carry anything from the lightest weight netting up to as much as 100Kgs per carriage. Track points allow for cycloramas, curtains and scenery to be moved from one rail to another in a two or three rail system.

QUICK SELECTION GUIDE

PRODUCT	CODE	DESCRIPTION	APPLICATION	DATAS	PAGE
	FF3227C	Curtain carriages		 0,030kg/0,066lb  0,0007m/0,0247ft  0,030kg/0,066lb	8.40

Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch.  **IMPORTANT:** installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

PRODUCT	CODE	DESCRIPTION	APPLICATION	DATAS	PAGE
	FF3227K	Curtain carriage for heavy curtains		0,170kg/0,375lb 0,0015m/0,0530ft 0,174kg/0,384lb	8.50
	FF3229T	Heavy duty curtain carriage with cup for pulling curtain		0,300kg/0,661lb 0,0015m/0,0530ft 0,330kg/0,727lb	8.60
	FF3229L	Curtain carriage with twist lock		0,220kg/0,485lb 0,0008m/0,0283ft 0,260kg/0,573lb	8.70
	FF3720C	Curtain carriage		0,128kg/0,282lb 0,0005m/0,017ft 0,168kg/0,370lb	8.80
	FF3723C	Curtain carriage		0,242kg/0,533lb 0,0015m/0,0530ft 0,282kg/0,621lb	8.90
	FF3722C	Towing carriage		0,322kg/0,710lb 0,0015m/0,053ft 0,360kg/0,794lb	8.100
	FF3724C	Towing carriage with brake		0,314kg/0,692lb 0,0015m/0,0530ft 0,350kg/0,771lb	8.110
	FF3723	Carriage for panels and scenery		1,170kg/2,579lb 0,005m/0,176ft 1,230kg/2,775lb	8.120
	FF3740Y040	Cyclorama tower		NA NA NA	8.130
	FF3757	Switch 2/1 rail 50 DX		6kg/13,227lb NA NA	8.140
	FF3756	Switch 3/2 rail 50		15kg/33,069lb NA NA	8.150
	FF3755	Switch 3/3 rail 50		25kg/55,115lb NA NA	8.160
	FF3767	Switch 2/1 rail 60 DX		5kg/11,023lb NA NA	8.170
	FF3766	Switch 3/2 rail 60		13kg/28,660lb NA NA	8.180
	FF3765	Switch 3/3 rail 60		22kg/48,501lb NA NA	8.190

Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch. IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3227C	Kit of 5 light weight curtain carriages with ball bearings	page 8.40
FF3227K	Kit of 5 heavy weight curtain carriages with ball bearings	page 8.50
FF3229T	Heavy duty curtain carriage with cup for pulling curtain	page 8.60
FF3229L	Heavy duty curtain carriage with twist lock	page 8.70
FF3720C	Carriage to suspend curtains	page 8.80
FF3723C	Carriage to suspend curtains	page 8.90
FF3722C	Secondary towing carriage	page 8.100
FF3724C	Towing carriage with brake	page 8.110
FF3723	Carriage to suspend rigid scenery with a width from 6 to 100 mm	page 8.120
FF3740Y040	Tensioning tower for cyclorama	page 8.130
FF3757	Switch 1/2 rail 50 DX	page 8.140
FF3756	Switch 2/3 rail 50	page 8.150
FF3755	Switch 3/3 rail 50	page 8.160
FF3767	Switch 1/2 rail 60 DX	page 8.170
FF3766	Switch 2/3 rail 60	page 8.180
FF3765	Switch 3/3 rail 60	page 8.190

Some tips to select the right rail and carriages for a curtain system.

First select the rail for your application.

Rail Type 50 for heavy curtains or curtains higher than 5,0m (16 feet).

Rail Type 60 for light weight curtains or curtains with a height of up to 5,0m (16 feet).

Make sure that the carriages you choose fit onto the rail you would like to use.

You find the rail symbol in the headline of each page for carriages.

Carriages for various weights or functions are available.

Use a carriage with brake at both ends of the curtain or a cyclorama tower for curtains higher than 5,0m (16 feet).

Towing carriages should be placed every 25 carriages. Carriages with wheels are recommended for all curtains higher than 9,0m (29 feet).

Please contact us for additional information if required.

FF3227C

± 60

Curtain carriages

Kit of 5 plastic carriages with ball bearings for light curtains.

material: body: black plastic

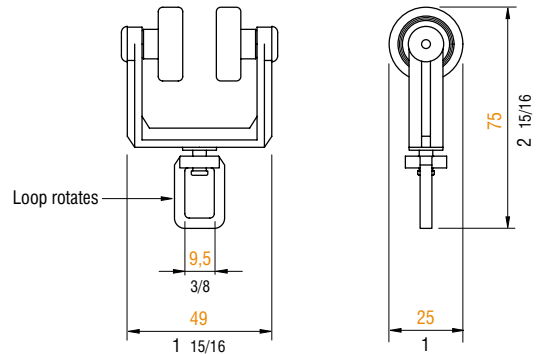
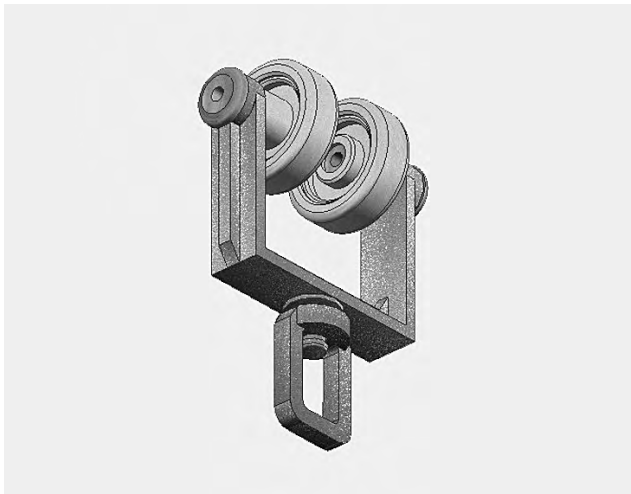
finish: NA

weight: 0,030 kg
0,066 lb

volume: 0,0007 cu m
0,0247 cu ft

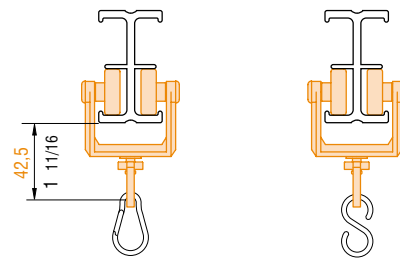
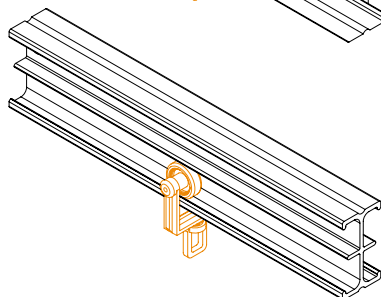
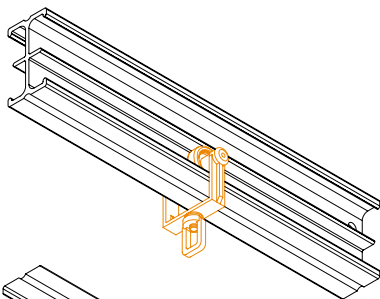
max. load: 5 kg
11 lb

weight: 0,030 kg
0,066 lb



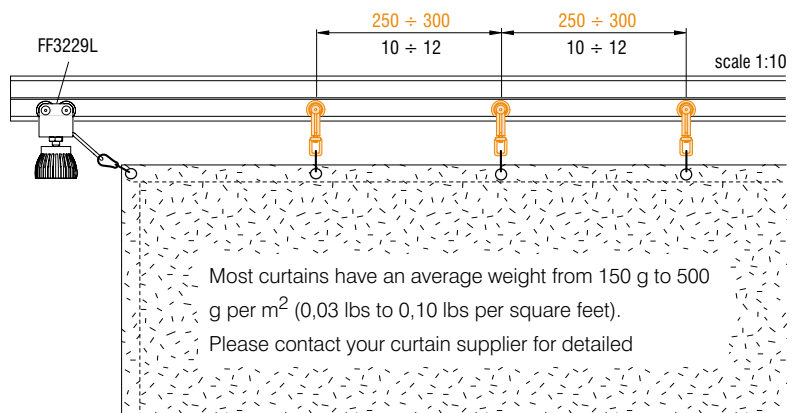
scale 1:2,5

APPLICATIONS



scale 1:4

Hardware to attach curtains onto carriages not included.
Contact your curtain supplier for details.




FF3227K


60


Curtain carriage for heavy curtains


Kit of 5 steel carriages with ball bearings for heavy curtains.

 material: stainless steel

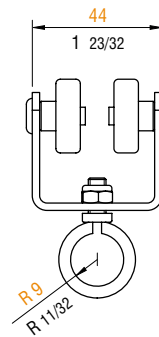
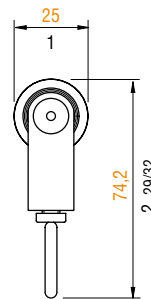
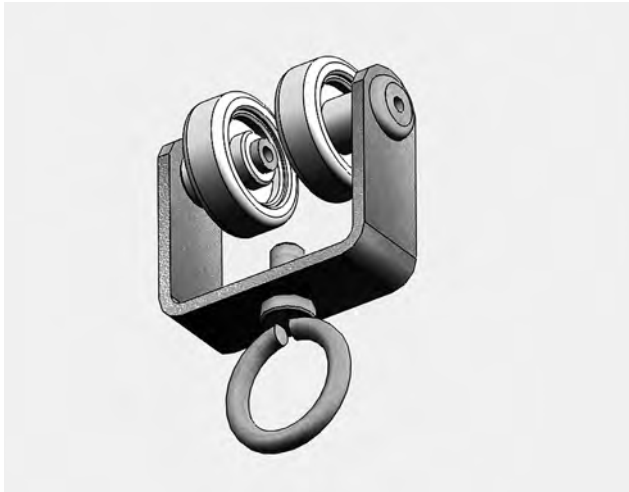
 finish:

 weight: 0,170 kg
0,375 lb

 volume: 0,0015 cu m
0,0530 cu ft

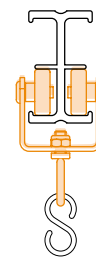
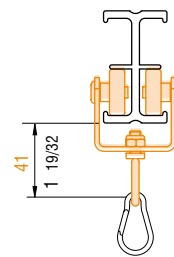
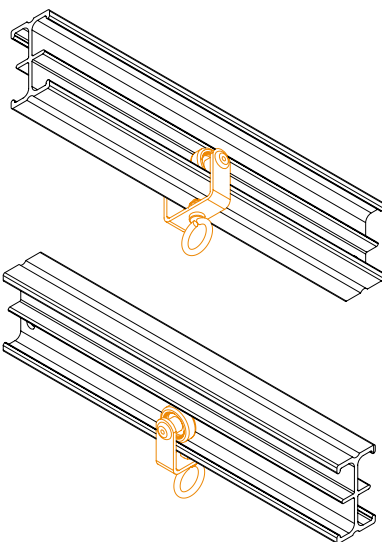
 max. load: 10 kg
22 lb

 weight: 0,174 kg
0,384 lb



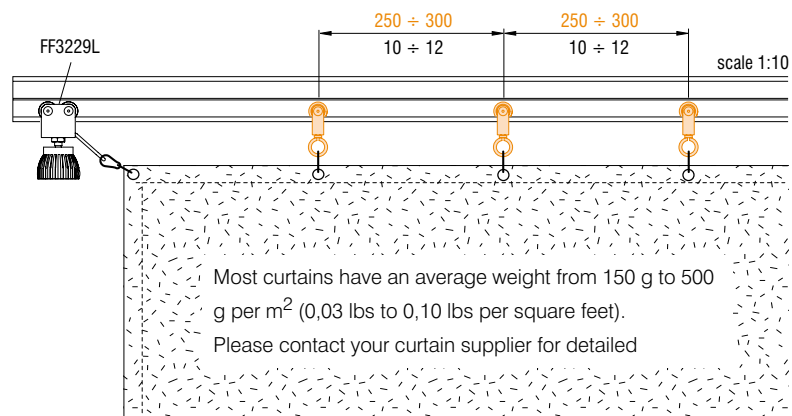
scale 1:2,5

APPLICATIONS




scale 1:4

Hardware to attach curtains onto carriages not included.
Contact your curtain supplier for details.



Most curtains have an average weight from 150 g to 500 g per m² (0,03 lbs to 0,10 lbs per square feet).
Please contact your curtain supplier for detailed

Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch. 
IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3229T

± 60

Heavy duty curtain carriage with cup for pulling curtain

Steel carriage with bearing wheels.

Place one towing carriage every 25 carriages type FF3227K or FF3727C.

material: main body: steel
part: blue plastic

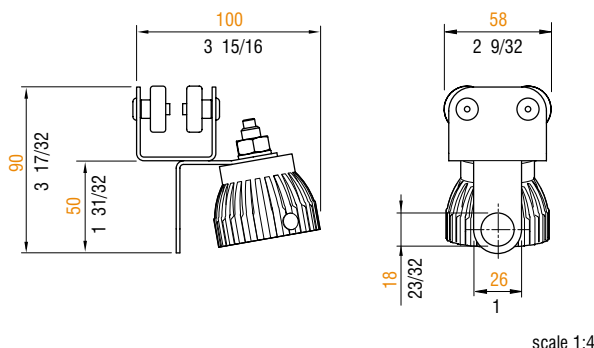
finish: grey powder coating with orange peel finish RAL 7016

weight: 0,300 kg
0,661 lb

volume: 0,0015 cu m
0,0530 cu ft

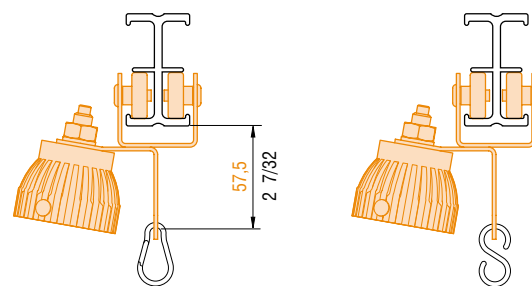
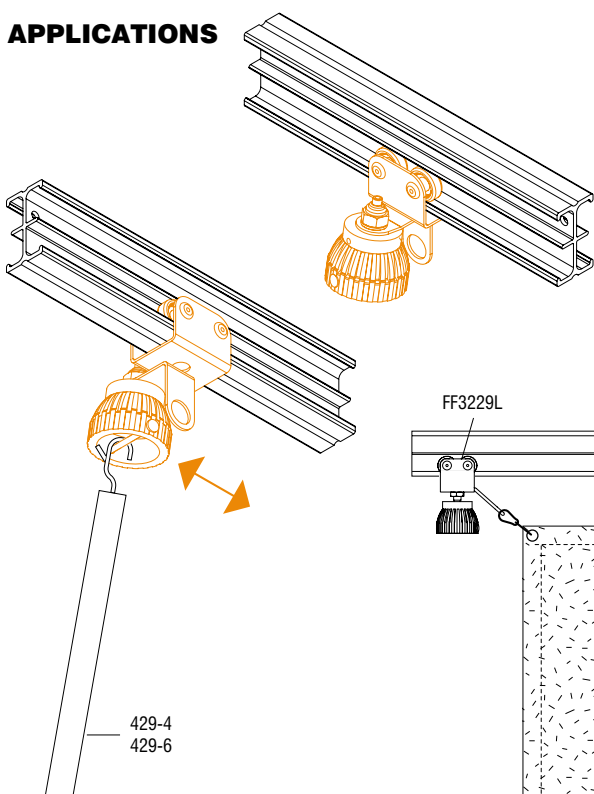
max. load: 50 kg
110 lb

weight: 0,330 kg
0,727 lb

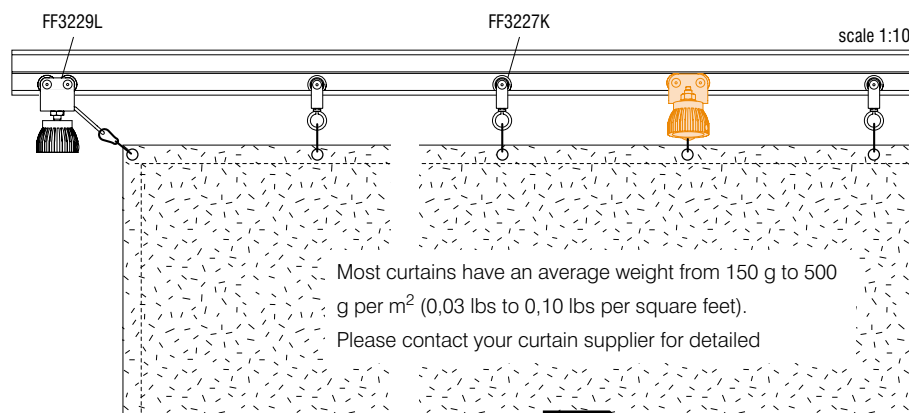


8

APPLICATIONS



Hardware to attach curtains onto carriages not included. Contact your curtain supplier for details.



Most curtains have an average weight from 150 g to 500 g per m² (0,03 lbs to 0,10 lbs per square feet). Please contact your curtain supplier for detailed


Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch. IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.


FF3229L


⚖ 60


Curtain carriage with twist lock


Use at both ends of the curtain to secure the curtain end position.
Locking cup is also used to pull carriage along rail

 material: main body: steel
part: blue plastic

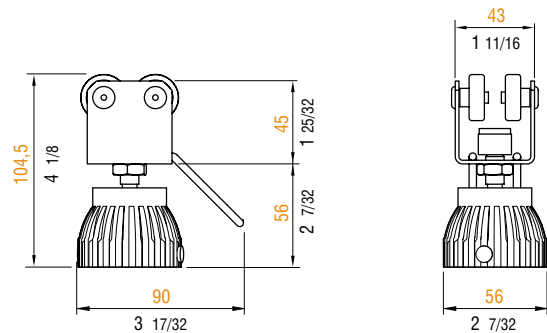
 finish: grey powder coating with orange peel finish RAL 7016

 weight: 0,220 kg
0,485 lb

 volume: 0,0008 cu m
0,0283 cu ft

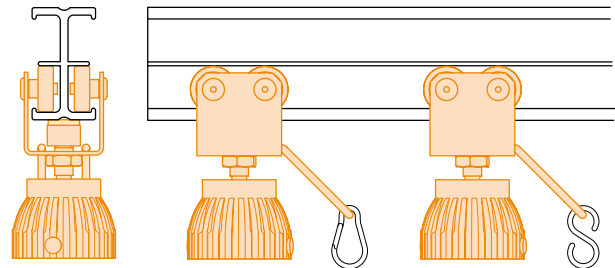
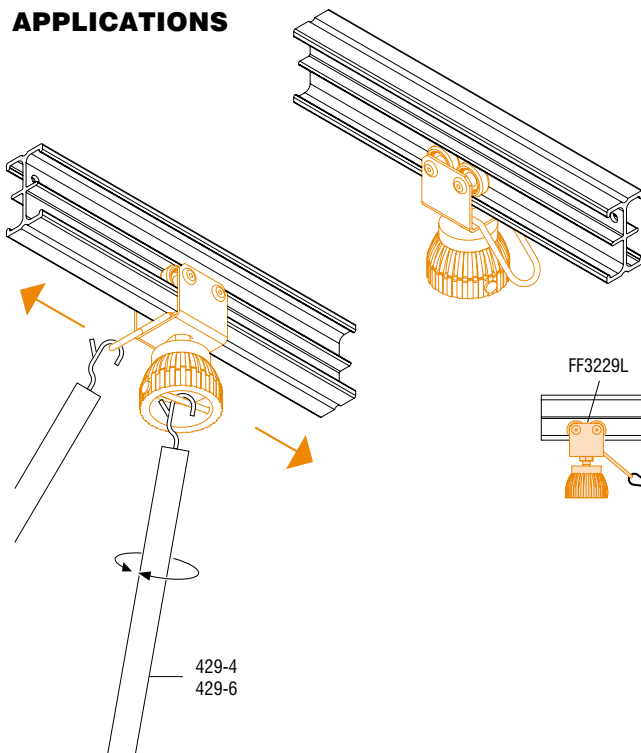
 max. load: NA

 weight: 0,260 kg
0,573 lb

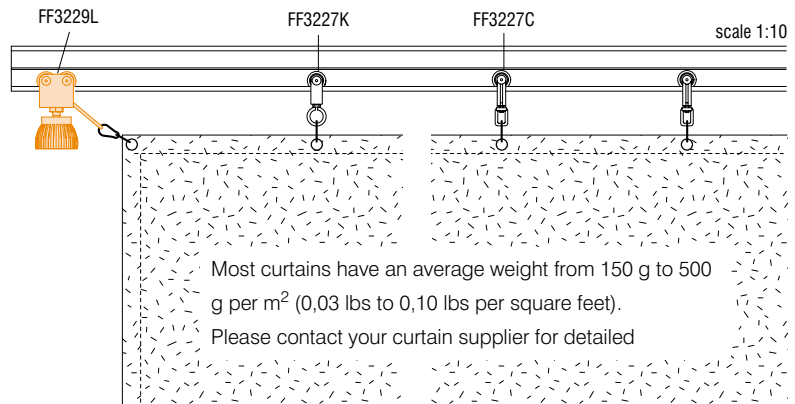


scale 1:4


APPLICATIONS



Hardware to attach curtains onto carriages not included.
Contact your curtain supplier for details.



Most curtains have an average weight from 150 g to 500 g per m² (0,03 lbs to 0,10 lbs per square feet).
Please contact your curtain supplier for detailed

Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch. 
IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3720C 50 80

Curtain carriage

Steel carriages with ball bearings for curtains up to 9m height.
Recommended distance between carriages for ideal curtain support: 25-30 cm.



material: steel



finish: grey powder coating with orange peel finish RAL 7016



weight: 0,128 kg
0,282 lb



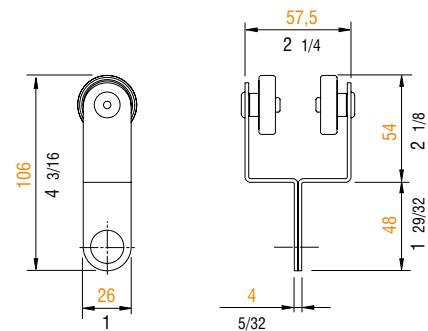
volume: 0,0005 cu m
0,017 cu ft



max. load: 20 kg
44 lb

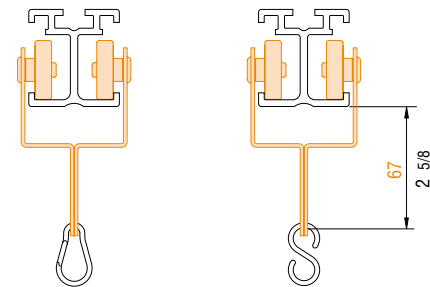
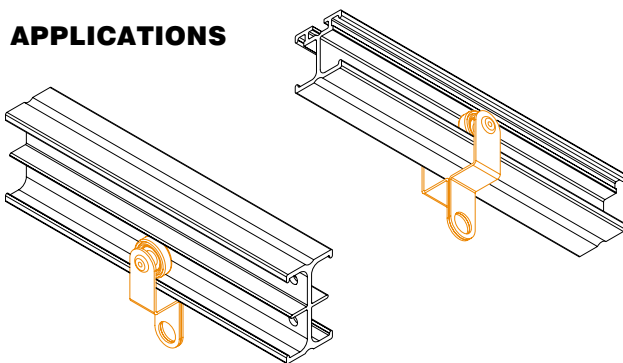


weight: 0,168 kg
0,370 lb

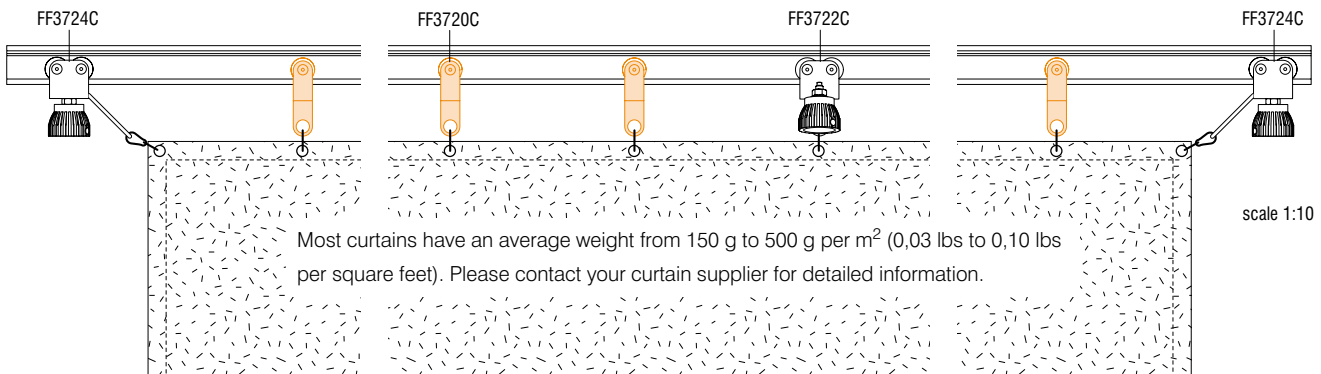


scale 1:4

APPLICATIONS



Hardware to attach curtains onto carriages not included.
Contact your curtain supplier for details.



scale 1:10

Most curtains have an average weight from 150 g to 500 g per m² (0,03 lbs to 0,10 lbs per square feet). Please contact your curtain supplier for detailed information.

Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch.
IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3723C



Curtain carriage

Steel carriages with ball bearings for curtains over 9m (29ft) height. Recommended distance between carriages for ideal curtain support: 25-30 cm.



material: steel



finish: grey powder coating with orange peel finish RAL 7016



weight: 0,242 kg
0,533 lb



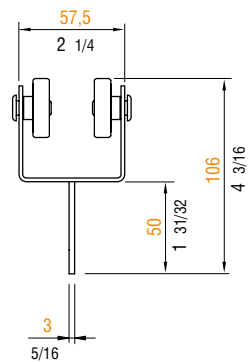
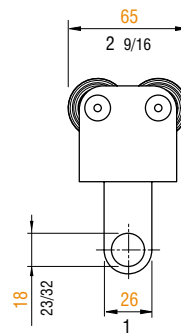
volume: 0,0015 cu m
0,0530 cu ft



max. load: 25 kg
55 lb

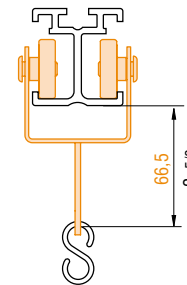
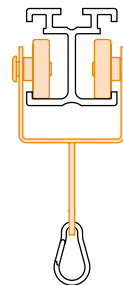
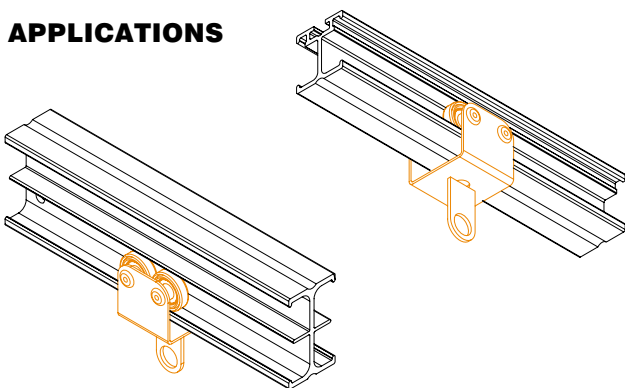


weight: 0,282 kg
0,621 lb



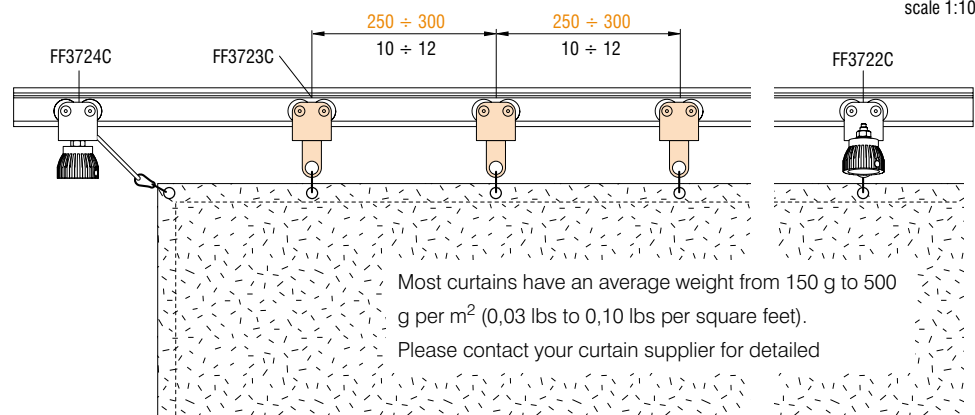
scale 1:4

APPLICATIONS



Hardware to attach curtains onto carriages not included. Contact your curtain supplier for details.

scale 1:10



Most curtains have an average weight from 150 g to 500 g per m² (0,03 lbs to 0,10 lbs per square feet). Please contact your curtain supplier for detailed

Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch. IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3722C 50 80

Towing carriage

Steel carriages with ball bearings to be mounted every 25 carriages art. FF3720C or FF3723C. This carriage helps pulling the curtain.



material: main body: steel
part: blue plastic



finish: grey powder coating with orange peel finish RAL 7016



weight: 0,322 kg
0,710 lb



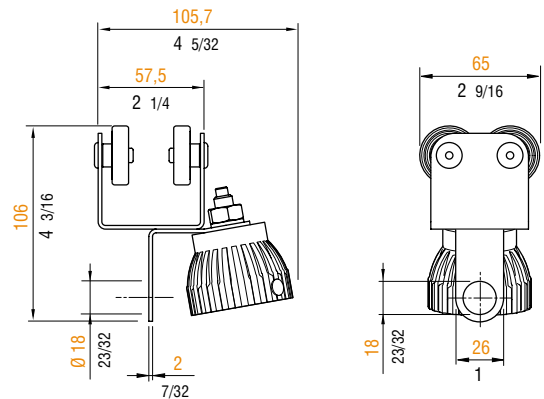
volume: 0,0015 cu m
0,0530 cu ft



max. load: 25 kg
55 lb

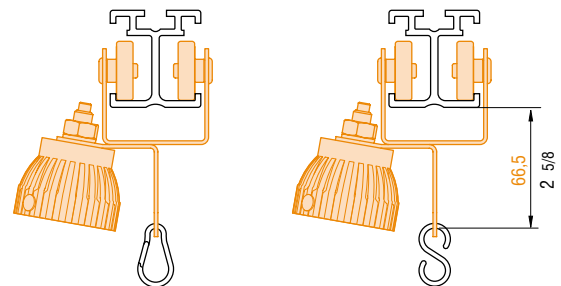
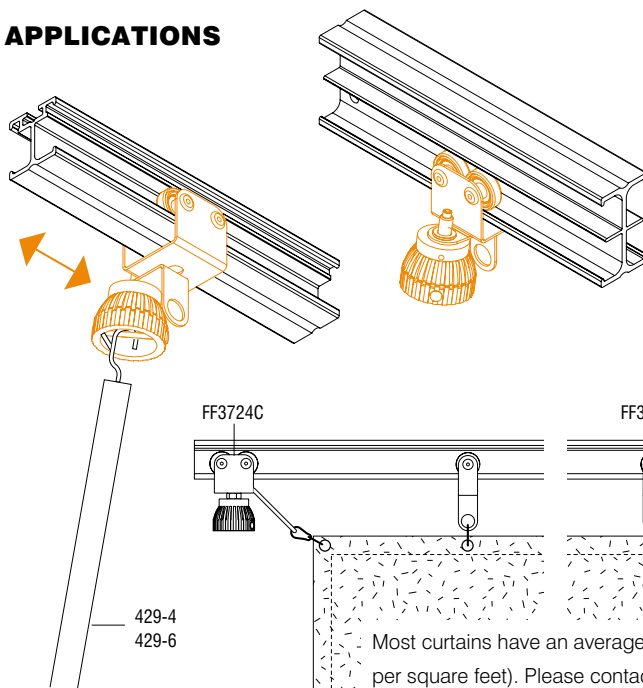


weight: 0,360 kg
0,794 lb

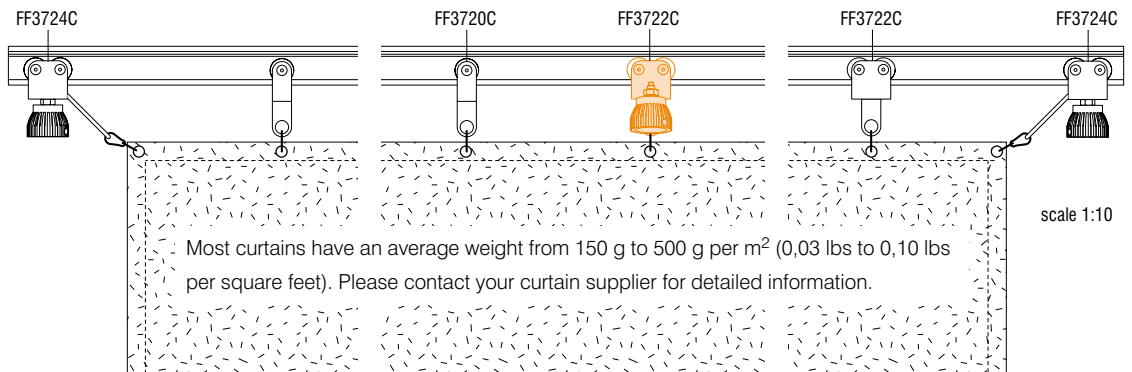


scale 1:4

APPLICATIONS



Hardware to attach curtains onto carriages not included.
Contact your curtain supplier for details.



scale 1:10

Most curtains have an average weight from 150 g to 500 g per m² (0,03 lbs to 0,10 lbs per square feet). Please contact your curtain supplier for detailed information.

FF3724C



Towing carriage with brake

Steel carriages with ball bearings for pulling cyclorama into position; should be mounted at both ends of the cyclorama.

material main body: steel
part: blue plastic

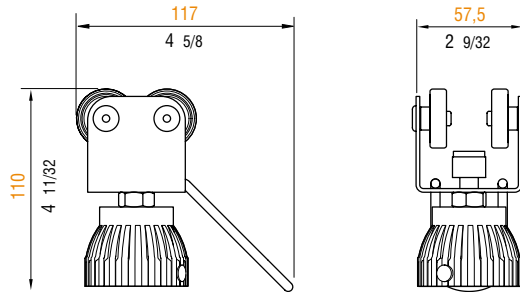
finish: grey powder coating with orange peel finish RAL 7016

weight: 0,314 kg
0,692 lb

volume: 0,0015 cu m
0,0530 cu ft

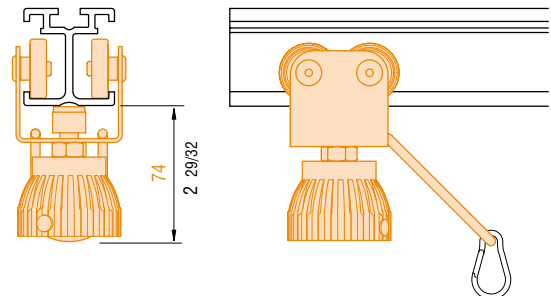
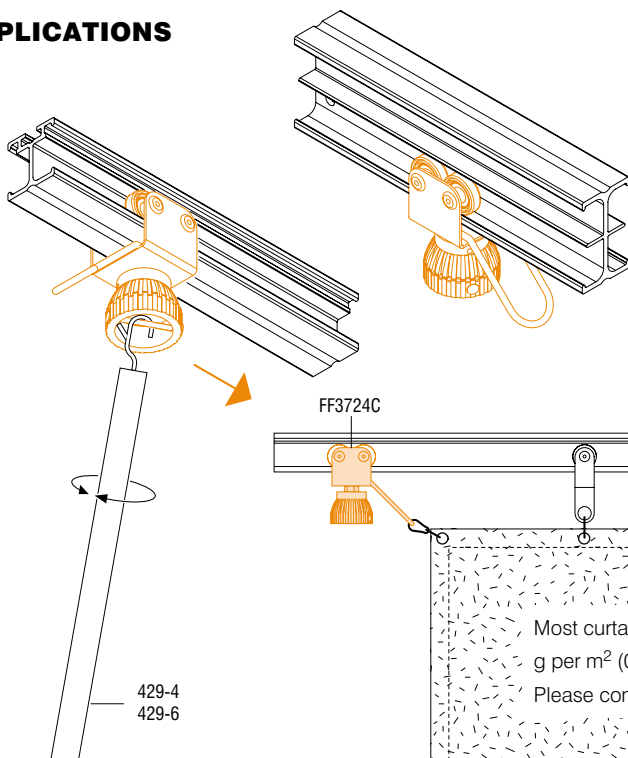
max. load: NA

weight: 0,350 kg
0,771 lb

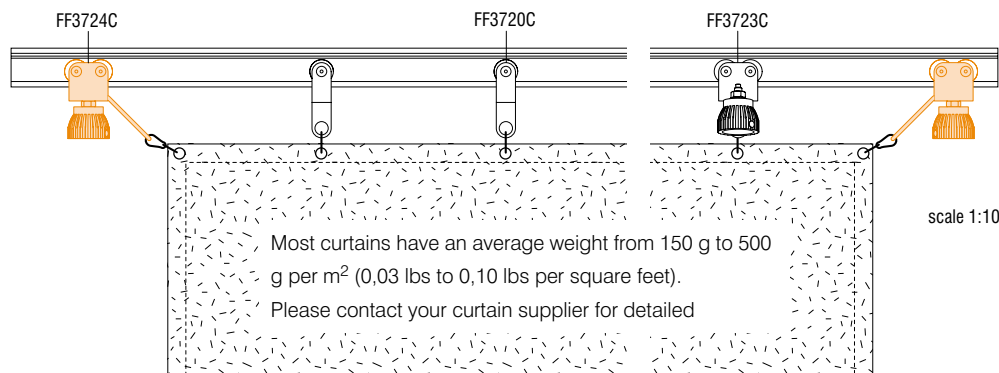


scale 1:4

APPLICATIONS



Hardware to attach curtains onto carriages not included.
Contact your curtain supplier for details.



scale 1:10

Most curtains have an average weight from 150 g to 500 g per m² (0,03 lbs to 0,10 lbs per square feet).
Please contact your curtain supplier for detailed

Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch. **IMPORTANT:** installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3723



50



80

Carriage for panels and scenery

Steel carriages with bearing wheels, used to suspend rigid scenarios or wood panels.

The clamp can hold object from 6mm to 100mm thick.



material: steel



finish: grey powder coating with orange peel finish RAL 7016



weight: 1,170 kg
2,579 lb



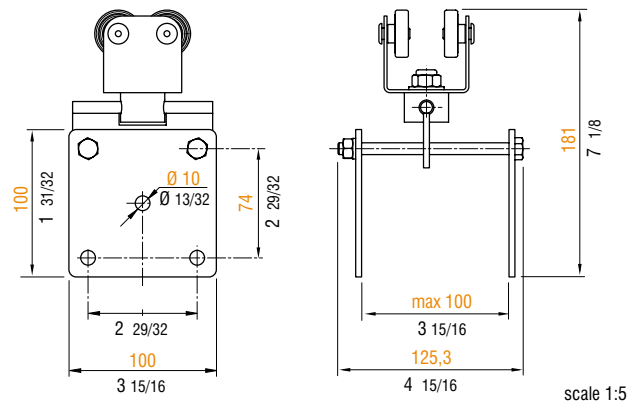
volume: 0,005 cu m
0,176 cu ft



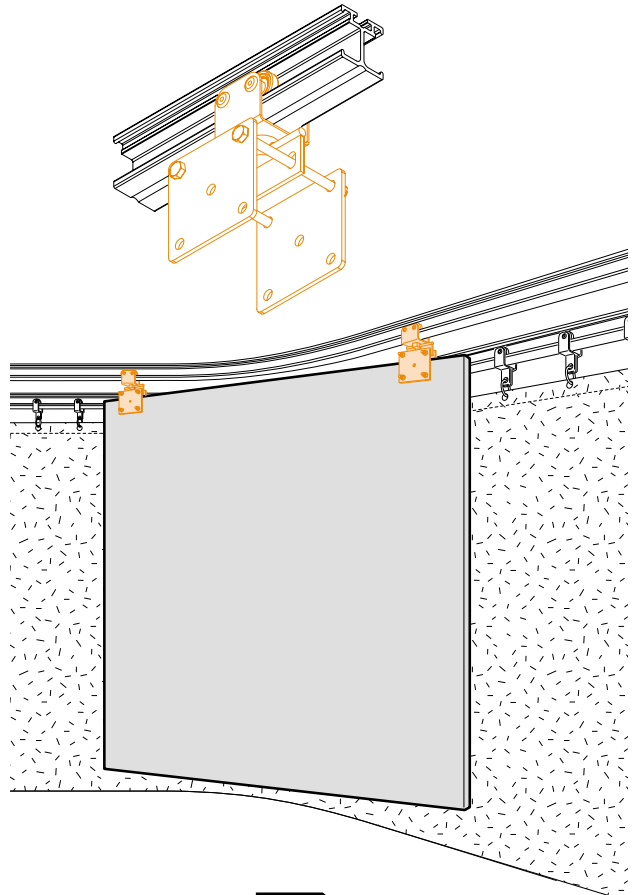
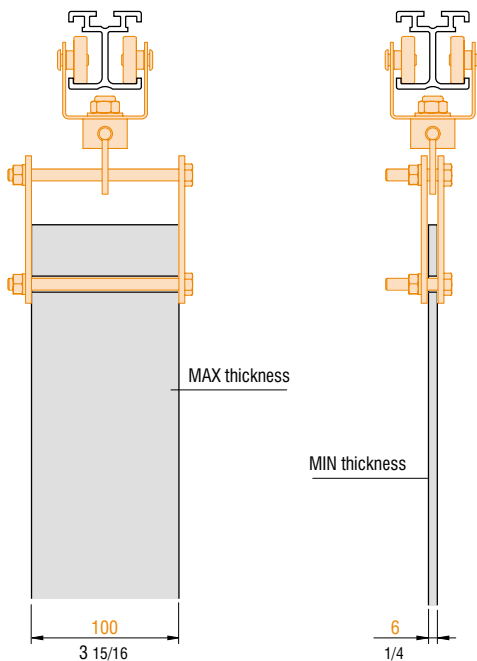
max. load: 100 kg
220 lb



weight: 1,230 kg
2,775 lb



APPLICATIONS



Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch.
 IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3740Y040



Cyclorama tower

Tower to tension cyclorama curtains evenly. For curtain systems above 5,0m (16 feet) the use of towers are strongly recommended. Lock the brake at the carriage and turn the floor stopper down to secure the position of the tower.

The tower makes it easy to pull long and heavy curtains in or out the parking area or for moving them along the cyclorama rails.

Each tower is manufactured according the height of the curtain. To order a tower the distance "H" between the floor and the rail system is required.

material: steel

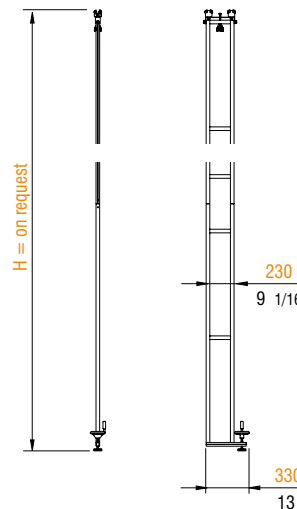
finish: grey powder coating with orange peel finish RAL 7016

weight: NA

volume: NA

max. load: NA

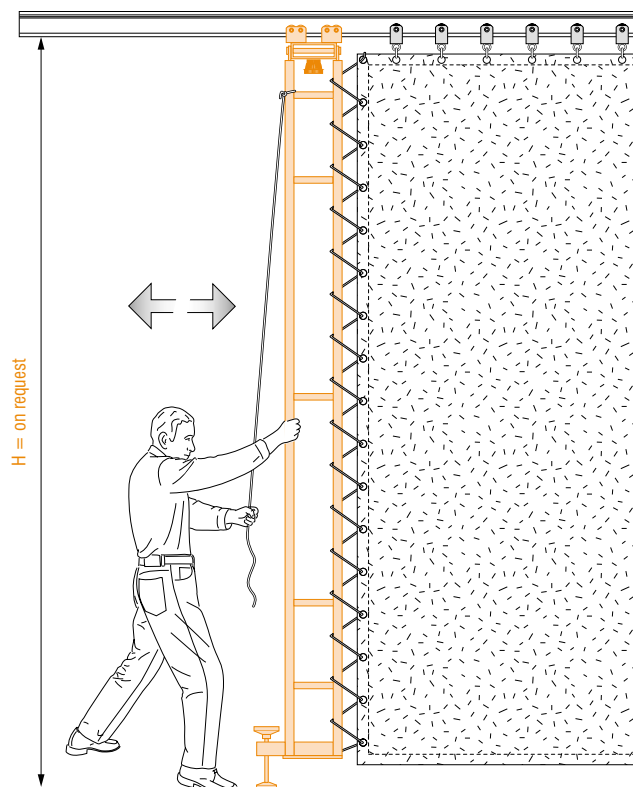
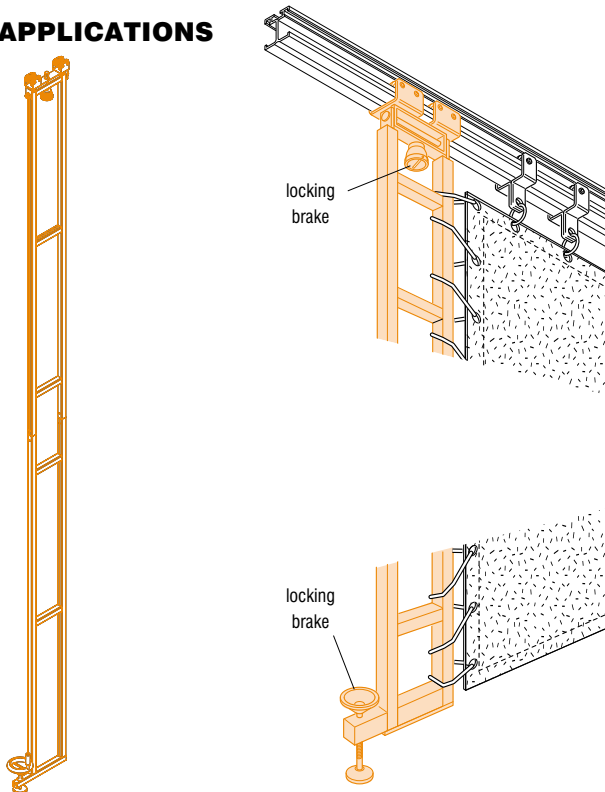
weight: NA



scale 1:0

8

APPLICATIONS



Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch. **IMPORTANT:** installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3757



Switch 1/2 rail 50 DX

Switch for single cyclorama Rail Type 50 to connect parking rails or feeding rails to the main curtain rail. Closed loop curtain systems require switches for inserting or removing curtains for maintenance. (to order the left version use code FF3757SX).



material: steel



finish: grey powder coating with orange peel finish RAL 7016



weight: 6 kg
13,227 lb



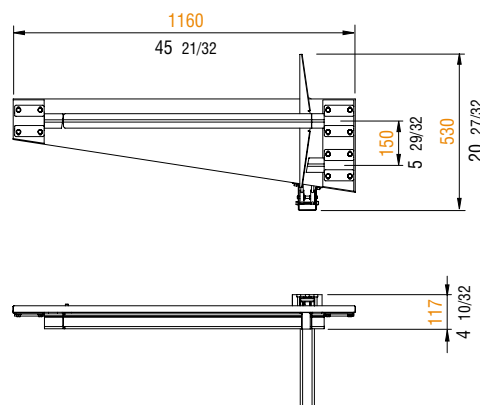
volume: NA



max. load: NA

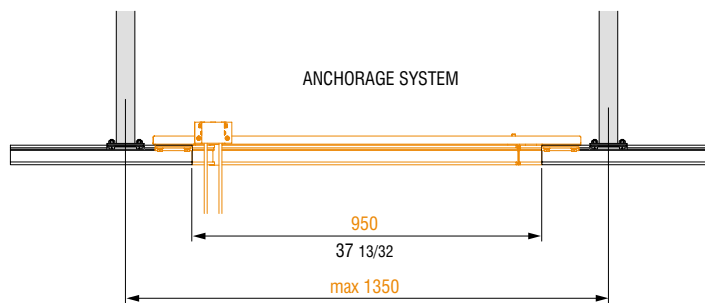
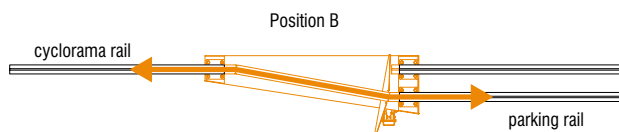
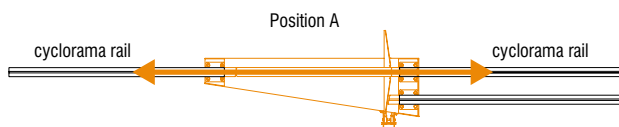
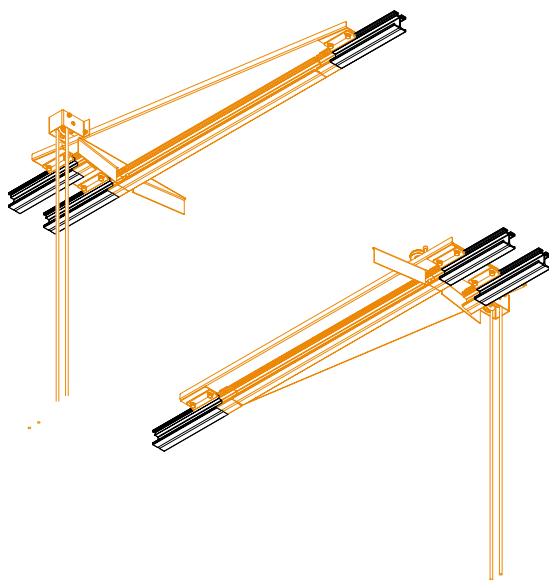


weight: NA



scale 1:25

APPLICATIONS



Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch. IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3756



Switch 2/3 rail 50

Switch for double cyclorama Rail Type 50 system. To connect parking rails or feeding rails to the main curtain rail system. Closed loop curtain systems require switches for inserting or removing curtains for maintenance.



material: steel



finish: grey powder coating with orange peel finish RAL 7016



weight: 15 kg
33.069 lb



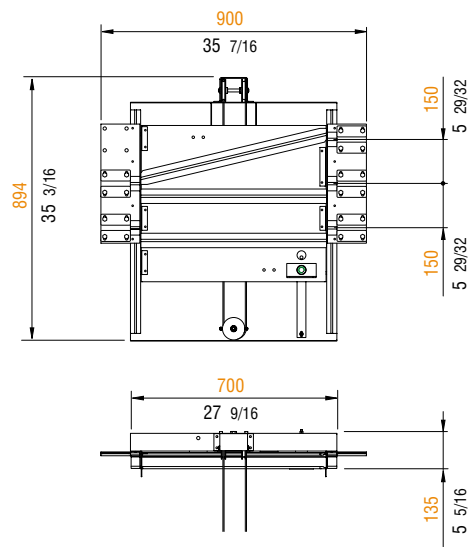
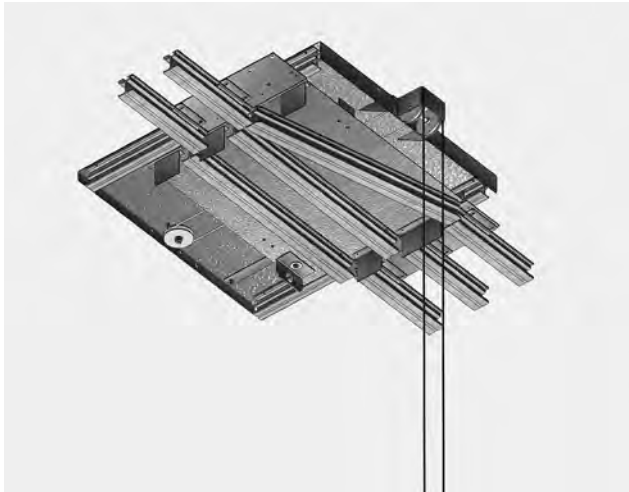
volume: NA



max. load: NA

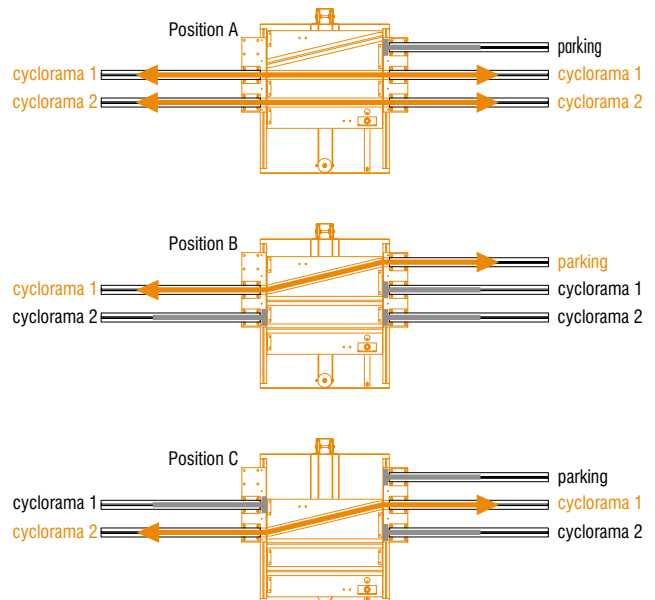
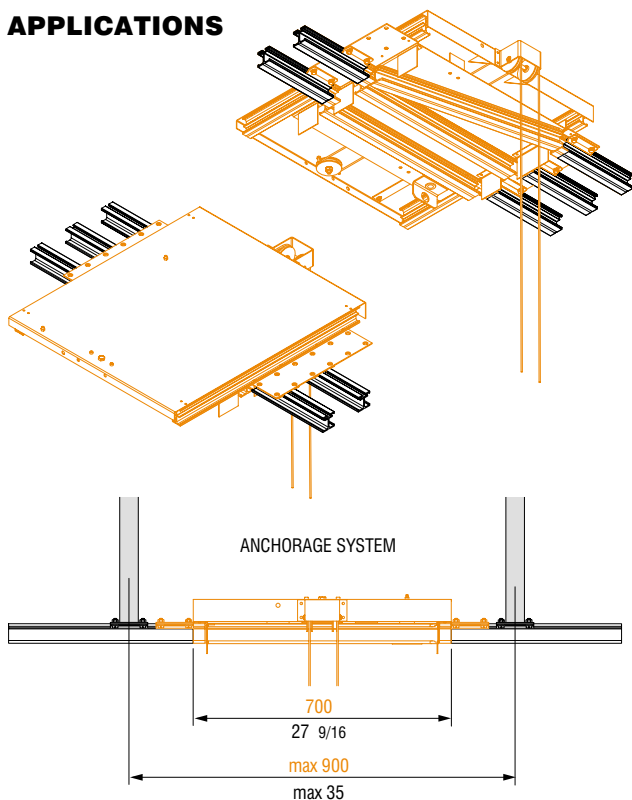


weight: NA



scale 1:25

APPLICATIONS



Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch.
IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3755

50

Switch 3/3 rail 50

Switch for triple cyclorama Rail Type 50 system. To connect parking rails or feeding rails to the main curtain rail system. Closed loop curtain systems require switches for inserting or removing curtains for maintenance.



material: steel



finish: grey powder coating with orange peel finish RAL 7016



weight: 25 kg
55.115 lb



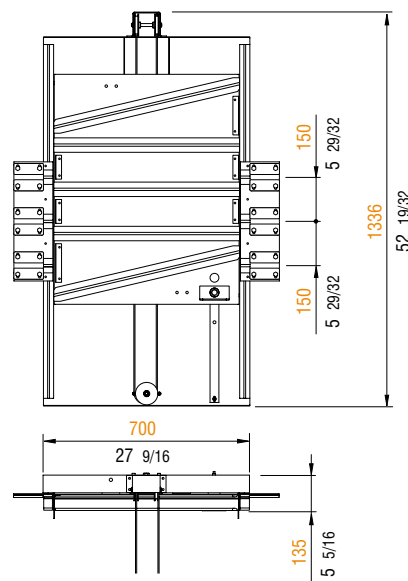
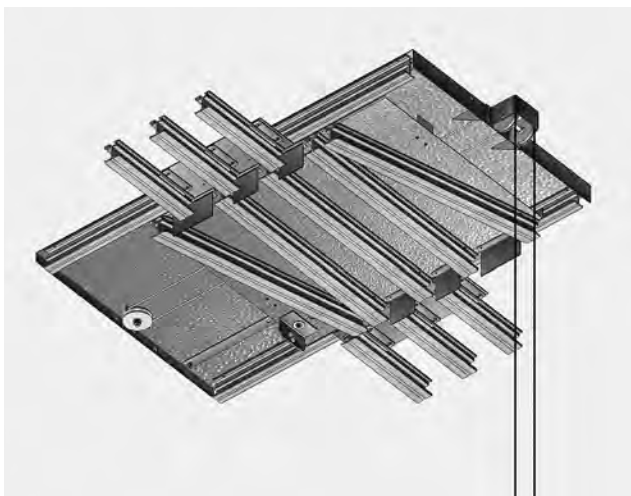
volume: NA



max. load: NA

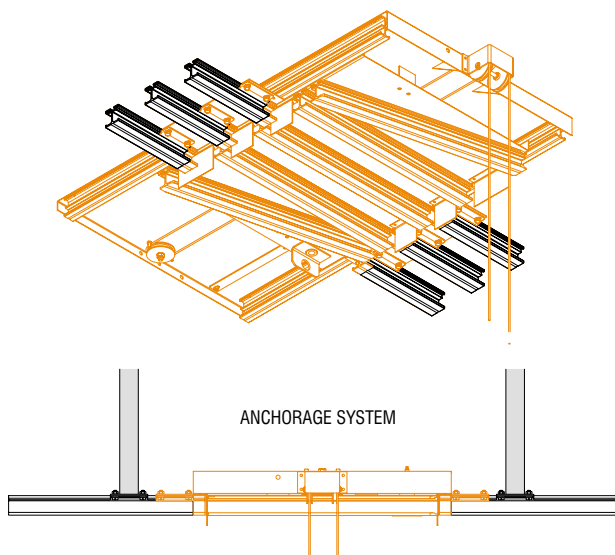
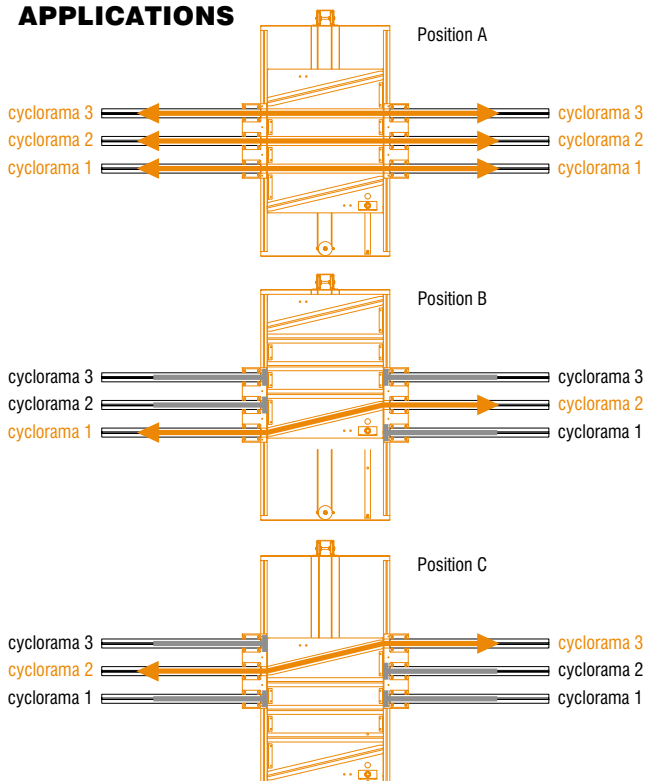


weight: NA



scale 1:25

APPLICATIONS



Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch.
 IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3767

⌚ 60

Switch 1/2 rail 60 DX

Switch for single cyclorama Rail Type 60 to connect parking rails or feeding rails to the main curtain rail. Closed loop curtain systems require switches for inserting or removing curtains for maintenance. (To order the left version use code FF3767SX).



material: steel



finish: grey powder coating with orange peel finish RAL 7016



weight: 5 kg
11.023 lb



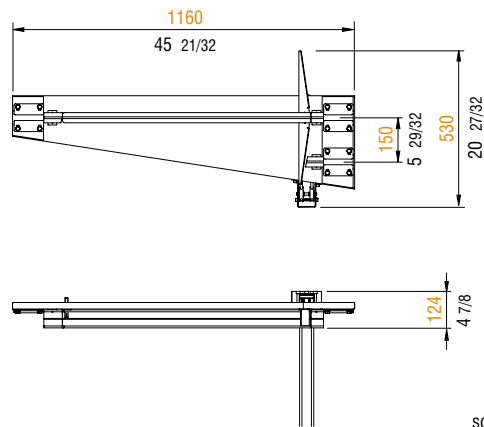
volume: NA



max. load: NA

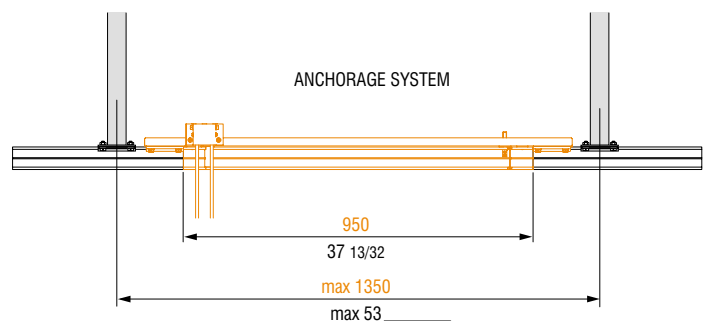
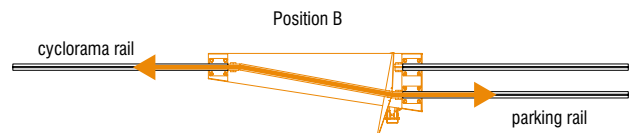
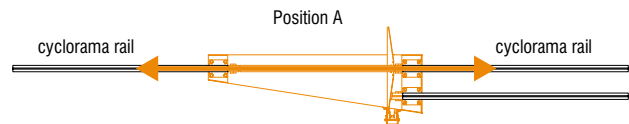
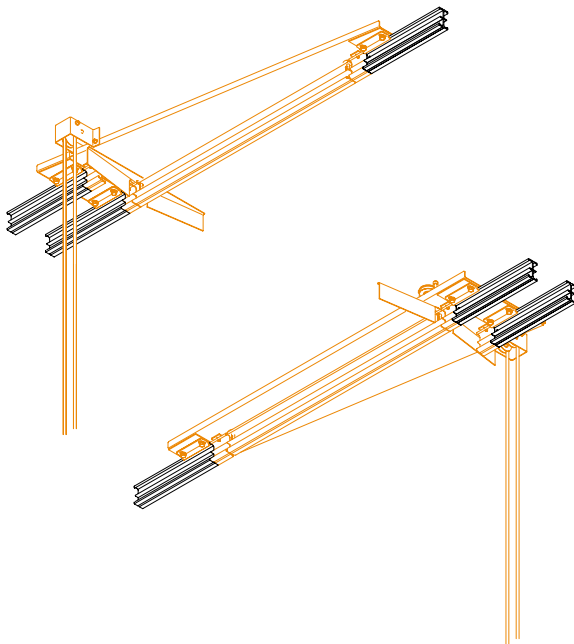


weight: NA



8

APPLICATIONS



Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch. **IMPORTANT:** installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3766

FF 60

Switch 2/3 rail 60

Switch for double cyclorama Rail Type 60 system. To connect parking rails or feeding rails to the main curtain rail system. Closed loop curtain systems require switches for inserting or removing curtains for maintenance



material: steel



finish: grey powder coating with orange peel finish RAL 7016



weight: 13 kg
28.660 lb



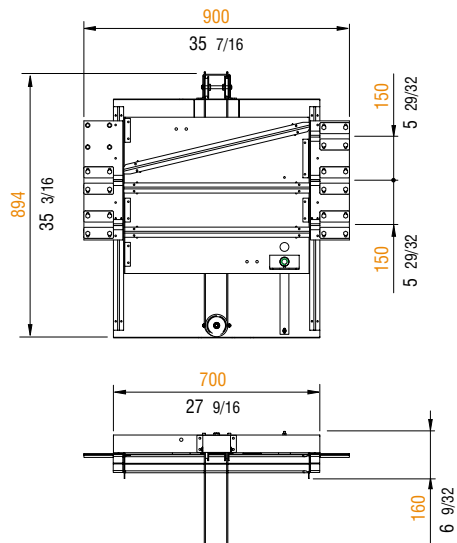
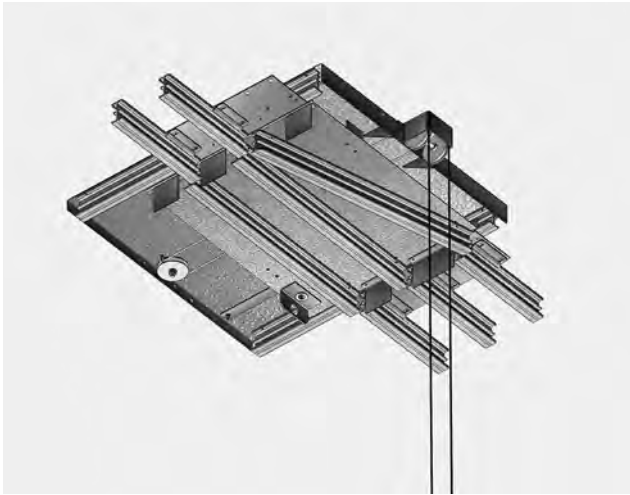
volume: NA



max. load: NA

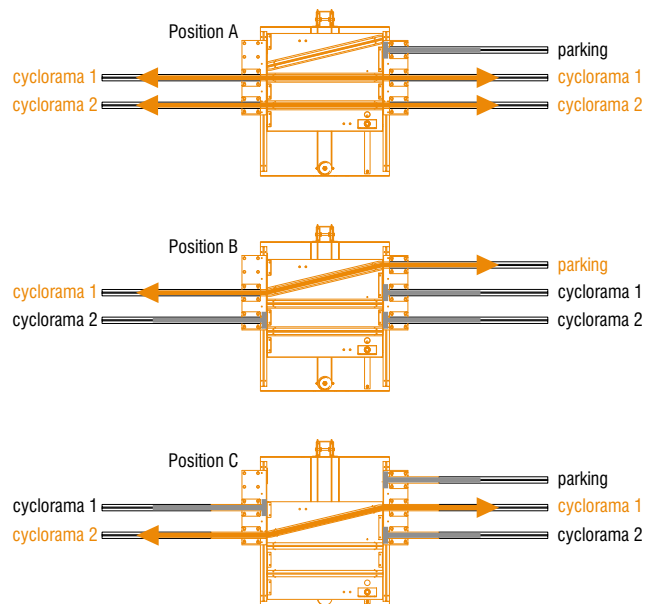
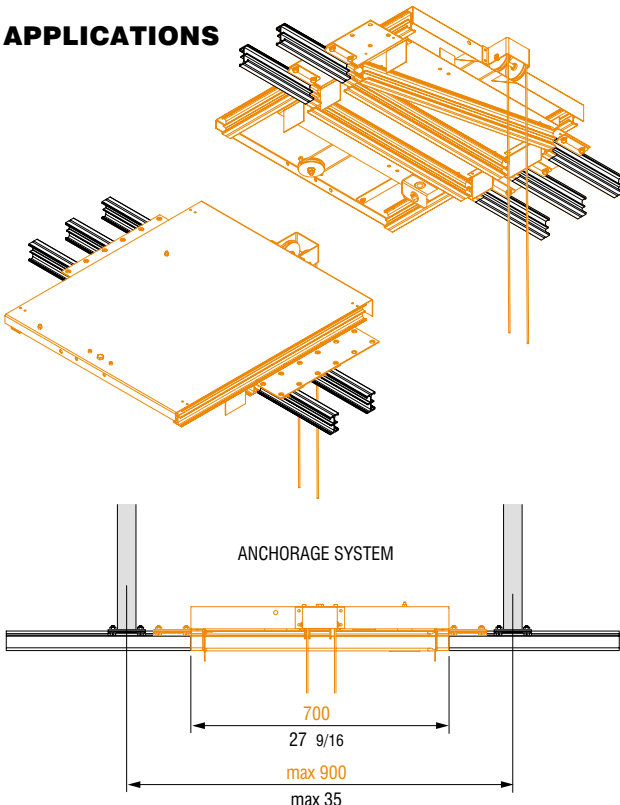


weight: NA



scale 1:25

APPLICATIONS



Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch.
IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3765

⌚ 60

Switch 3/3 rail 60

Switch for triple cyclorama Rail Type 60 system. To connect parking rails or feeding rails to the main curtain rail system. Closed loop curtain systems require switches for inserting or removing curtains for maintenance.



material: steel



finish: grey powder coating with orange peel finish RAL 7016



weight: 22 kg
48.501 lb



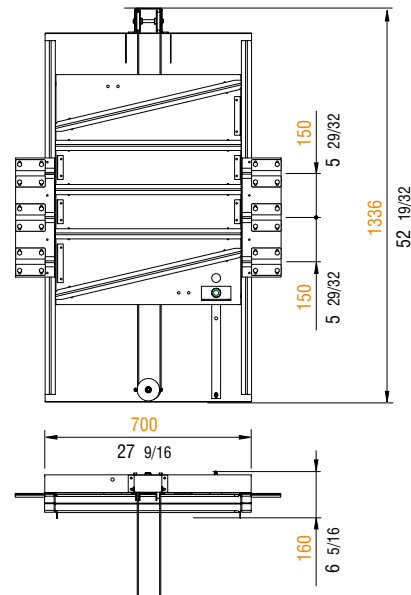
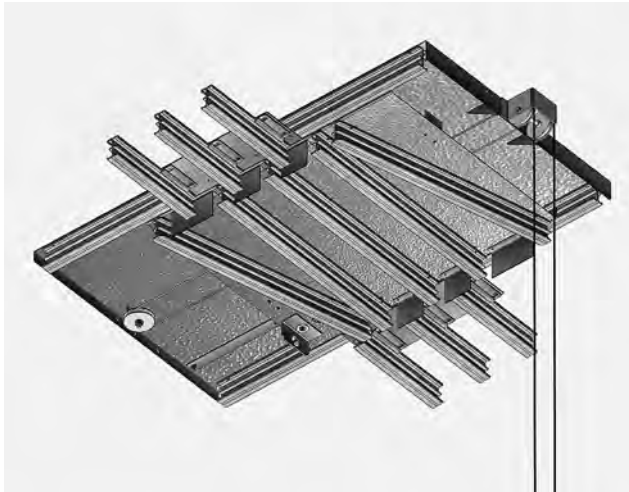
volume: NA



max. load: NA

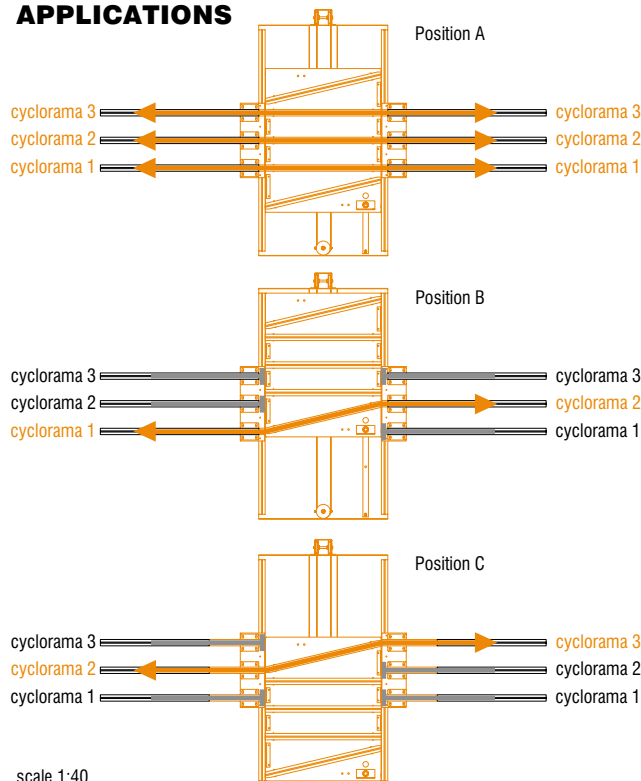


weight: NA



scale 1:25

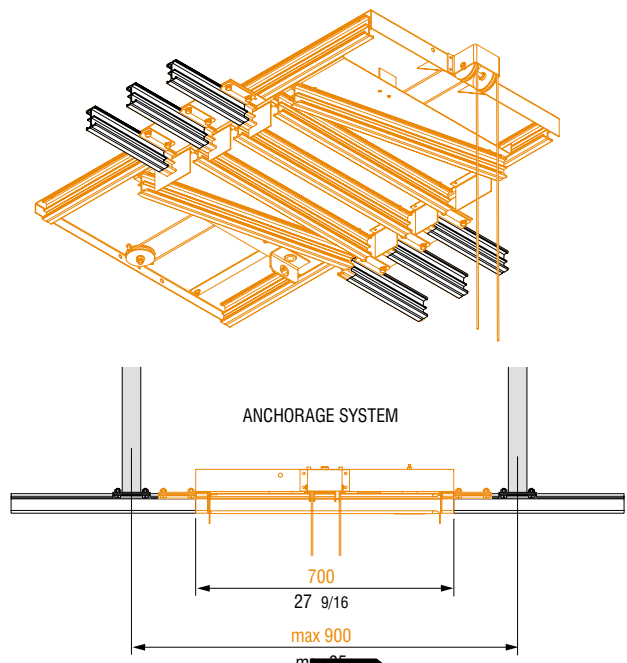
APPLICATIONS



scale 1:40

Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch.

IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.




mm 05

[go to index](#)

CYCLORAMA CARRIAGES AND SWITCHES



Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch. 
IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.









Once a Top Track system is installed it is often necessary to allow some vertical height adjustment for each luminaire individually.

The use of either fixed length or adjustable drop arms provides an economical and safe method.

Various lengths are available along with a selection of top and bottom mounting options. Combine these with the arms and adaptors in the next section and you have every possible combination you could imagine.

QUICK SELECTION GUIDE


PRODUCT	CODE	DESCRIPTION	APPLICATION	DATAS	PAGE
	FF3240	Extension tube length 50cm - 13,11inches		📏 0,426kg/0,939lb 📏 0,0300m/1,0594ft 📏 0,502kg/1,106lb	9.30
	FF3242	Extension tube length 50cm - 13,11inches		📏 0,784kg/1,728lb 📏 0,0600m/2,1188ft 📏 0,86kg/1,895lb	9.30
	FF3842	Telescopic drop-arm extension 43cm up to 65cm (17" to 25")		📏 2,00kg/4,41lb 📏 0,0040m/0,1412ft 📏 2,70kg/5,95lb	9.40
	FF3841	Telescopic drop-arm extension 73cm up to 123cm (28" to 48")		📏 3,10kg/6,83lb 📏 0,0060m/0,2119ft 📏 3,80kg/8,37lb	9.40
	FF3840	Telescopic drop-arm extension 113cm up to 200cm (44" to 78")		📏 4,20kg/9,26lb 📏 0,0080m/0,2825ft 📏 5,00kg/11,02lb	9.40
	FF3844Y25	Telescopic drop-arm extension 138cm up to 250cm (48" to 102")		📏 5,90kg/13,00lb 📏 0,0100m/0,3531ft 📏 6,6kg/14,55lb	9.40
	FF3844Y30	Telescopic drop-arm extension 163cm up to 300cm (68" to 122")		📏 7,00kg/15,43lb 📏 0,0120m/0,4238ft 📏 7,70kg/16,87lb	9.40
	FF3844Y35	Telescopic drop-arm extension 188cm up to 350cm (78" to 148")		📏 7,70kg/16,98lb 📏 0,0150m/0,5297ft 📏 8,4kg/18,51lb	9.40
	FF3844Y40	Telescopic drop-arm extension 213cm up to 400cm (88" to 162")		📏 8,25kg/18,19lb 📏 0,0160m/0,5650ft 📏 8,89kg/19,57lb	9.40
	FF3842D	"D" Telescopic drop-arm extension 43cm up to 65cm (17" to 25")		📏 2,19kg/4,82lb 📏 0,0040m/0,1412ft 📏 2,89kg/6,37lb	9.50
	FF3841D	"D" Telescopic drop-arm extension 73cm up to 123cm (28" to 48")		📏 3,29kg/7,25lb 📏 0,0060m/0,2119ft 📏 3,99kg/8,79lb	9.50
	FF3840D	"D" Telescopic drop-arm extension 113cm up to 200cm (44" to 78")		📏 4,39kg/9,68lb 📏 0,0080m/0,2825ft 📏 5,09kg/11,22lb	9.50
	FF3844YD25	"D" Telescopic drop-arm extension 138cm up to 250cm (48" to 102")		📏 6,09kg/13,42lb 📏 0,0100m/0,3531ft 📏 6,79kg/14,97lb	9.50
	FF3844YD30	"D" Telescopic drop-arm extension 163cm up to 300cm (68" to 122")		📏 7,19kg/15,85lb 📏 0,0120m/0,4238ft 📏 7,89kg/17,39lb	9.50
	FF3844YD35	"D" Telescopic drop-arm extension 188cm up to 350cm (78" to 148")		📏 7,89kg/17,39lb 📏 0,0150m/0,5297ft 📏 8,59kg/19lb	9.50
	FF3844YD40	"D" Telescopic drop-arm extension 213cm up to 400cm (88" to 162")		📏 8,44kg/18,6lb 📏 0,0160m/0,5650ft 📏 9,14kg/20,15lb	9.50
	FF3842ST	"ST" Telescopic drop-arm extension 43cm up to 65cm (17" to 25")		📏 2,00kg/4,41lb 📏 0,0040m/0,1412ft 📏 2,89kg/6,37lb	9.60
	FF3841ST	"ST" Telescopic drop-arm extension 73cm up to 123cm (28" to 48")		📏 3,10kg/6,83lb 📏 0,0060m/0,2119ft 📏 3,99kg/8,79lb	9.60
	FF3840ST	"ST" Telescopic drop-arm extension 113cm up to 200cm (44" to 78")		📏 4,20kg/9,26lb 📏 0,0080m/0,2825ft 📏 5,09kg/11,22lb	9.60
	FF3844YST25	"ST" Telescopic drop-arm extension 138cm up to 250cm (48" to 102")		📏 5,90kg/13,00lb 📏 0,0100m/0,3531ft 📏 6,79kg/14,97lb	9.60
	FF3844YST30	"ST" Telescopic drop-arm extension 163cm up to 300cm (68" to 122")		📏 7,00kg/15,43lb 📏 0,0120m/0,4238ft 📏 8,59kg/19lb	9.60
	FF3844YST35	"ST" Telescopic drop-arm extension 188cm up to 350cm (78" to 148")		📏 7,70kg/16,98lb 📏 0,0150m/0,5297ft 📏 7,89kg/17,39lb	9.60
	FF3844YST40	"ST" Telescopic drop-arm extension 213cm up to 400cm (88" to 162")		📏 8,25kg/18,19lb 📏 0,0160m/0,5650ft 📏 9,14kg/20,15lb	9.60
	429-4,0	Telescopic operating pole length 4m - 13,11ft		📏 2,6kg/5,73lb 📏 0,08m/2,825ft 📏 3,3kg/7,28lb	9.70
	429-6,0	Telescopic operating pole length 6m - 19,68ft		📏 2,9kg/6,39lb 📏 0,105m/3,708ft 📏 3,65kg/8,04lb	9.70


Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch.  **IMPORTANT:** installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.


EXTENSION TUBE

FF3240: length 50 cm - 13,11 inches
 FF3242: length 100 cm - 19,68 inches

Extension brackets with a 5/8" female attachment on both ends to suspend lighting fixtures from the pipe grids or IFF rail systems.

 material: steel

 max. load: 40 kg
88 lb

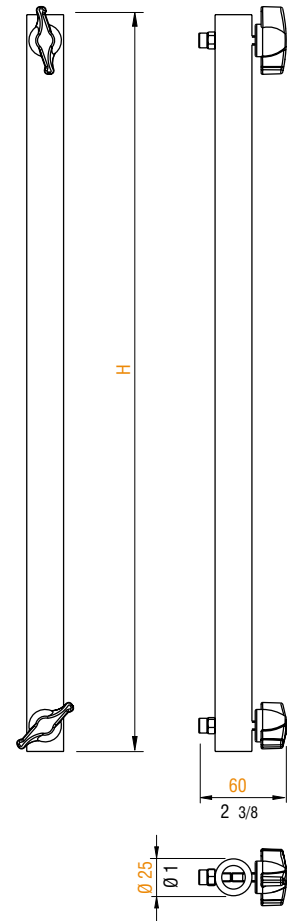
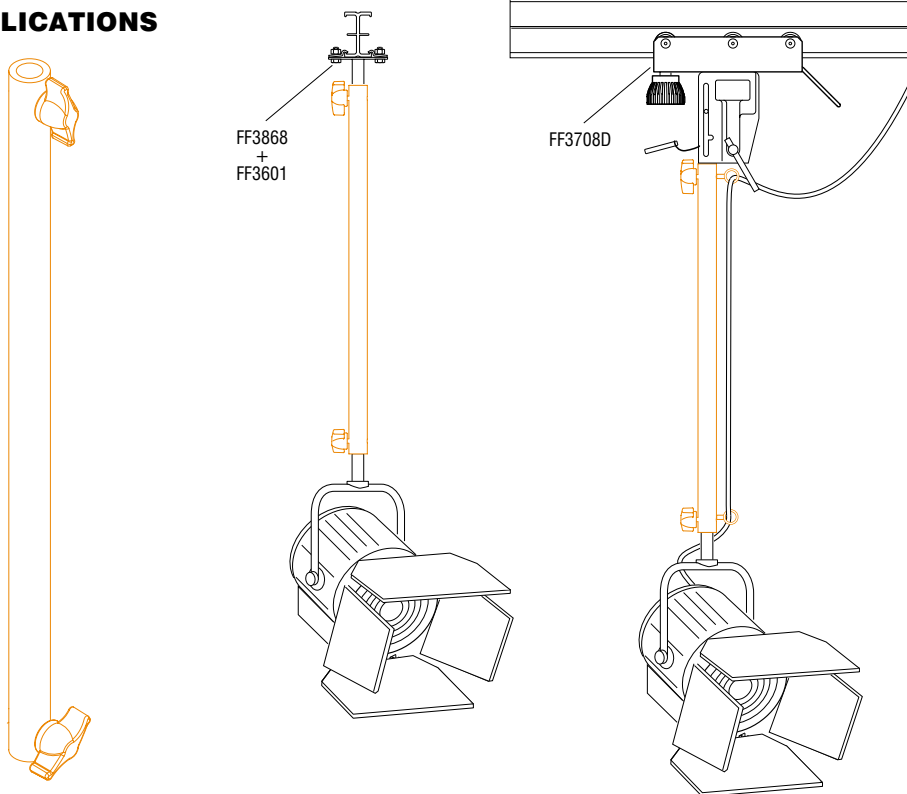
 finish: grey powder coating with orange peel finish RAL 7016




	FF3240	FF3242
 height: mm	500	1000
inch	19 11/16	39 3/8
 weight: kg	0,426	0,784
lb	0,939	1,728
 volume: cu m	0,0300	0,0600
cu ft	1,0594	2,1188
 weight: kg	0,502	0,86
lb	1,106	1,895

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APPLICATIONS





scale 1:5


Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch. 
 IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

TELESCOPIC DROP-ARM




- FF3842: Extension 44cm up to 65cm (17" to 25")
- FF3841: Extension 73cm up to 123cm (28" to 48")
- FF3840: Extension 113cm up to 200cm (44" to 78")
- FF3844Y25: Extension 138cm up to 250cm (48" to 102")
- FF3844Y30: Extension 163cm up to 300cm (68" to 122")
- FF3844Y35: Extension 188cm up to 350cm (78" to 142")
- FF3844Y40: Extension 213cm up to 400cm (88" to 162")

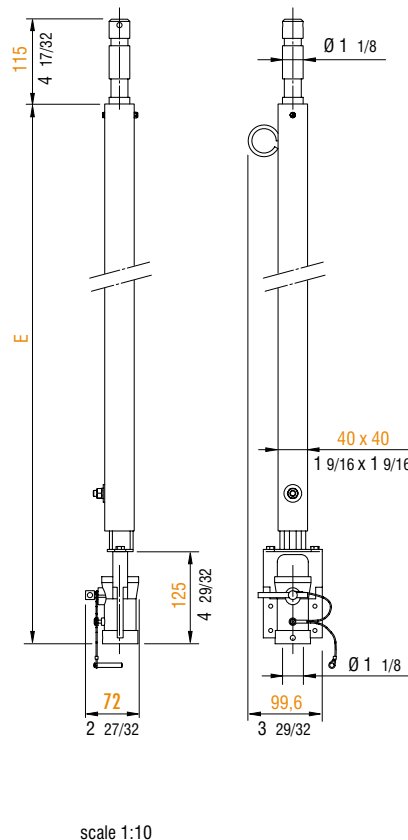
 material: steel

 max. load: 40 kg
88 lb

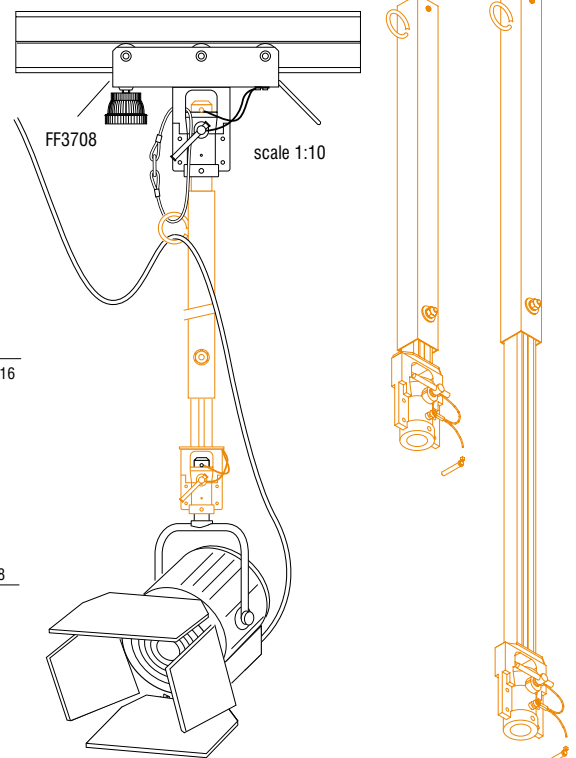
 finish: grey powder coating with orange peel finish RAL 7016


Extendable bracket with a 1-1/8" spigot on the top and a 1-1/8" female attachment on the bottom; can be mounted on carriages or fixed clamps. Extension position is locked by tightening nut.

		FF3842	FF3841	FF3840	FF3844Y25	FF3844Y30	FF3844Y35	FF3844Y40
E MIN:	mm	440	730	1130	1495	1745	1995	2245
	inch	17 5/16	28 3/4	44 15/32	58 27/32	68 11/16	78 17/32	88 3/8
E MAX:	mm	650	1230	2000	2615	3115	3615	4115
	inch	25 19/32	48 7/16	78 3/4	102 15/16	122 5/8	142 5/16	162
 weight:	kg	2,00	3,10	4,20	5,90	7,00	7,70	8,25
	lb	4,41	6,83	9,26	13,00	15,43	16,98	18,19
 volume:	cu m	0,0040	0,0060	0,0080	0,0100	0,0120	0,0150	0,0160
	cu ft	0,1412	0,2119	0,2825	0,3531	0,4238	0,5297	0,5650
 weight:	kg	2,70	3,80	5,00	6,6	7,70	8,4	8,89
	lb	5,95	8,37	11,02	14,55	16,87	18,51	19,57



APPLICATIONS



Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch. 
IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

TELESCOPIC DROP-ARM - "D" version

FF3842D: Extension 44cm up to 65cm (17" to 25")

FF3841D: Extension 73cm up to 123cm (28" to 48")


FF3840D: Extension 113cm up to 200cm (44" to 78")


FF3844YD25: Extension 138cm up to 250cm (48" to 102")


FF3844YD30: Extension 163cm up to 300cm (68" to 122")

FF3844YD35: Extension 188cm up to 350cm (78" to 142")






FF3844YD40: Extension 213cm up to 400cm (88" to 162")

 material: steel

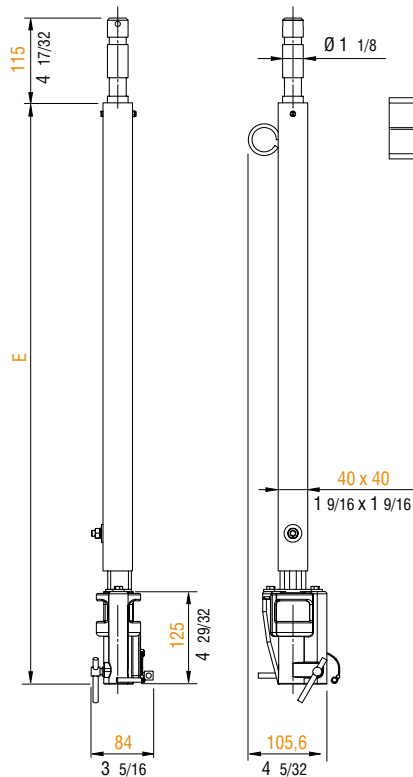
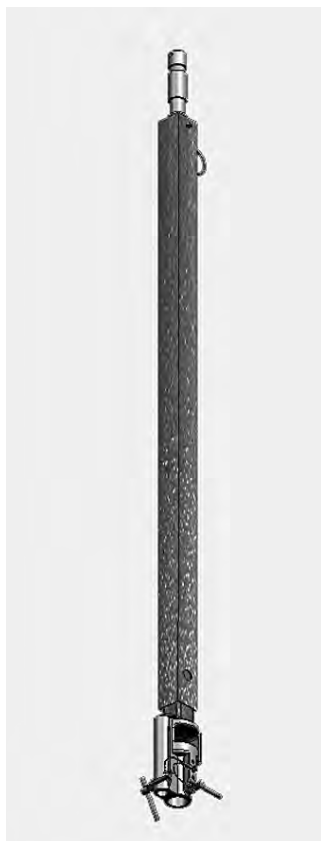
 max. load: 40 kg
88 lb

 finish: grey powder coating with orange peel finish RAL 7016

Extendable bracket with a 1-1/8" spigot on the top and a universal head (1-1/8"F + 5/8"F + 5/8" male) on the bottom; can be mounted on carriages or fixed clamps. Extension position is locked by tightening nut.

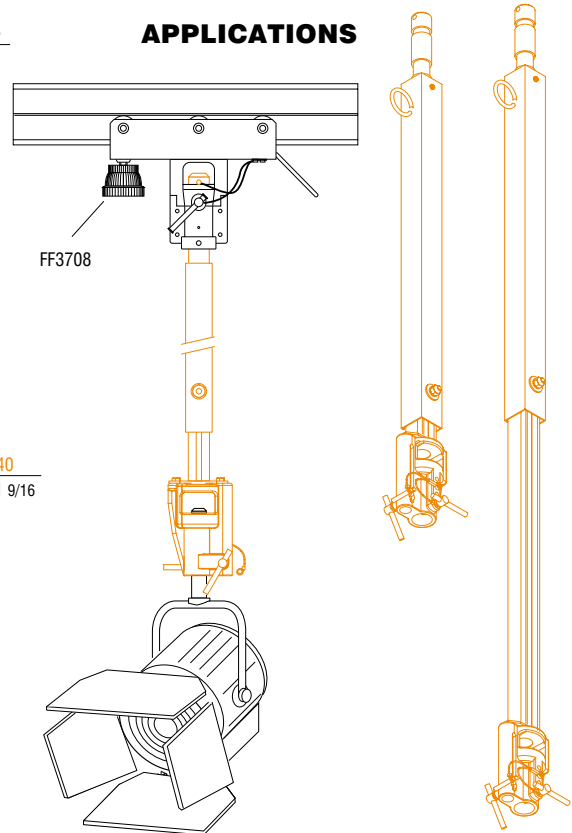
		FF3842D	FF3841D	FF3840D	FF3844YD25	FF3844YD30	FF3844YD35	FF3844YD40
 MIN:	mm	440	730	1130	1495	1745	1995	2245
	inch	17 5/16	28 3/4	44 15/32	58 27/32	68 11/16	78 17/32	88 3/8
 MAX:	mm	650	1230	2000	2615	3115	3615	4115
	inch	25 19/32	48 7/16	78 3/4	102 15/16	122 5/8	142 5/16	162
 weight:	kg	2,19	3,29	4,39	6,09	7,19	7,89	8,44
	lb	4,82	7,25	9,68	13,42	15,85	17,39	18,6
 volume:	cu m	0,0040	0,0060	0,0080	0,0100	0,0120	0,0150	0,0160
	cu ft	0,1412	0,2119	0,2825	0,3531	0,4238	0,5297	0,5650
 weight:	kg	2,89	3,99	5,09	6,79	7,89	8,59	9,14
	lb	6,37	8,79	11,22	14,97	17,39	19	20,15


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scale 1:10


APPLICATIONS





Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch.  IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

TELESCOPIC DROP-ARM - STIRUPP version






- FF3842ST: Extension 44cm up to 65cm (17" to 25")
- FF3841ST: Extension 73cm up to 123cm (28" to 48")
- FF3840ST: Extension 113cm up to 200cm (44" to 78")
- FF3844YST25: Extension 138cm up to 250cm (48" to 102")
- FF3844YST30: Extension 163cm up to 300cm (68" to 122")
- FF3844YST35: Extension 188cm up to 350cm (78" to 142")
- FF3844YST40: Extension 213cm up to 400cm (88" to 162")

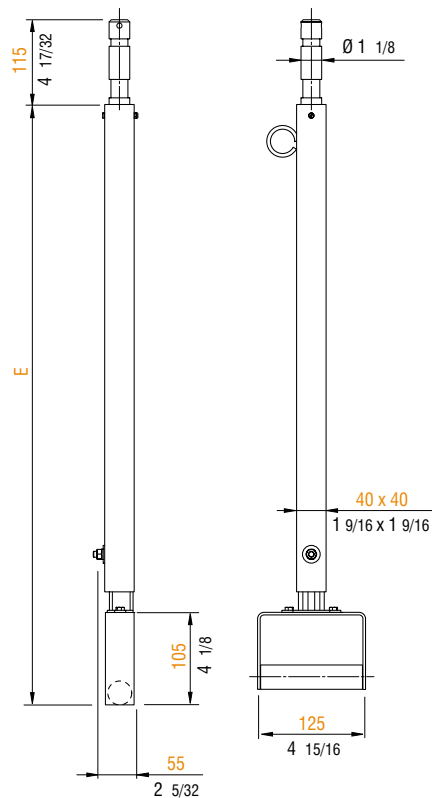
 material: steel

 max. load: 40 kg
88 lb

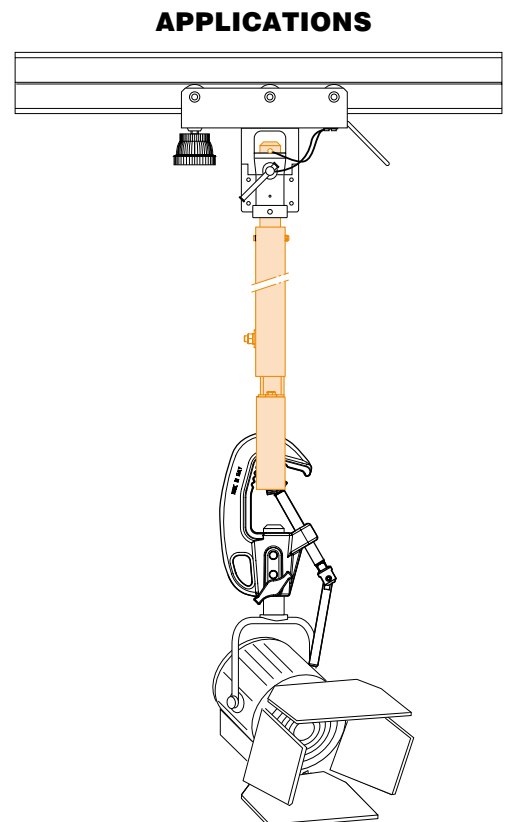
 finish: grey powder coating with orange peel finish RAL 7016


Extendable bracket with a 1 1/8" spigot on the top and a universal head (1-1/8"F +5/8"F + 5/8" male) on the bottom; can be mounted on carriages or fixed clamps (eg art FF3865). Extension position is locked by tightening nut.

		FF3842ST	FF3841ST	FF3840ST	FF3844ST25	FF3844ST30	FF3844ST35	FF3844ST40
 MIN:	mm	440	730	1130	1495	1745	1995	2245
	inch	17 5/16	28 3/4	44 15/32	58 27/32	68 11/16	78 17/32	88 3/8
 MAX:	mm	650	1230	2000	2615	3115	3615	4115
	inch	25 19/32	48 7/16	78 3/4	102 15/16	122 5/8	142 5/16	162
 weight:	kg	2,00	3,10	4,20	5,90	7,00	7,70	8,25
	lb	4,41	6,83	9,26	13,00	15,43	16,98	18,19
 volume:	cu m	0,0040	0,0060	0,0080	0,0100	0,0120	0,0150	0,0160
	cu ft	0,1412	0,2119	0,2825	0,3531	0,4238	0,5297	0,5650
 weight:	kg	2,89	3,99	5,09	6,79	8,59	7,89	9,14
	lb	6,37	8,79	11,22	14,97	19	17,39	20,15



scale 1:10



Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch.  IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

TELESCOPIC OPERATING POLE

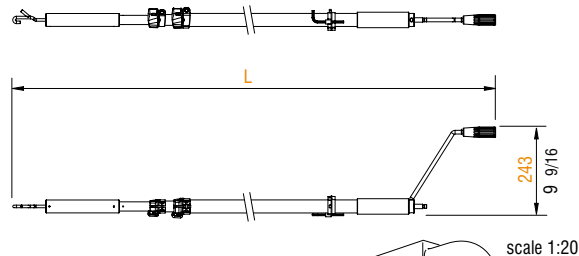
429-4,0: length 4 m - 13,11 ft
429-6,0: length 6 m - 19,68 ft

Available in two different length. The operating pole can be used manually or with portable drill with sufficient power (14V to 18V). Specific designed clips (FF3861 Kit of 2 pcs.) mounted on the operating cup (see drawing) will assure a precise and firm hooking. Special design of the hook for vertical and horizontal positioning of spring pantographs.

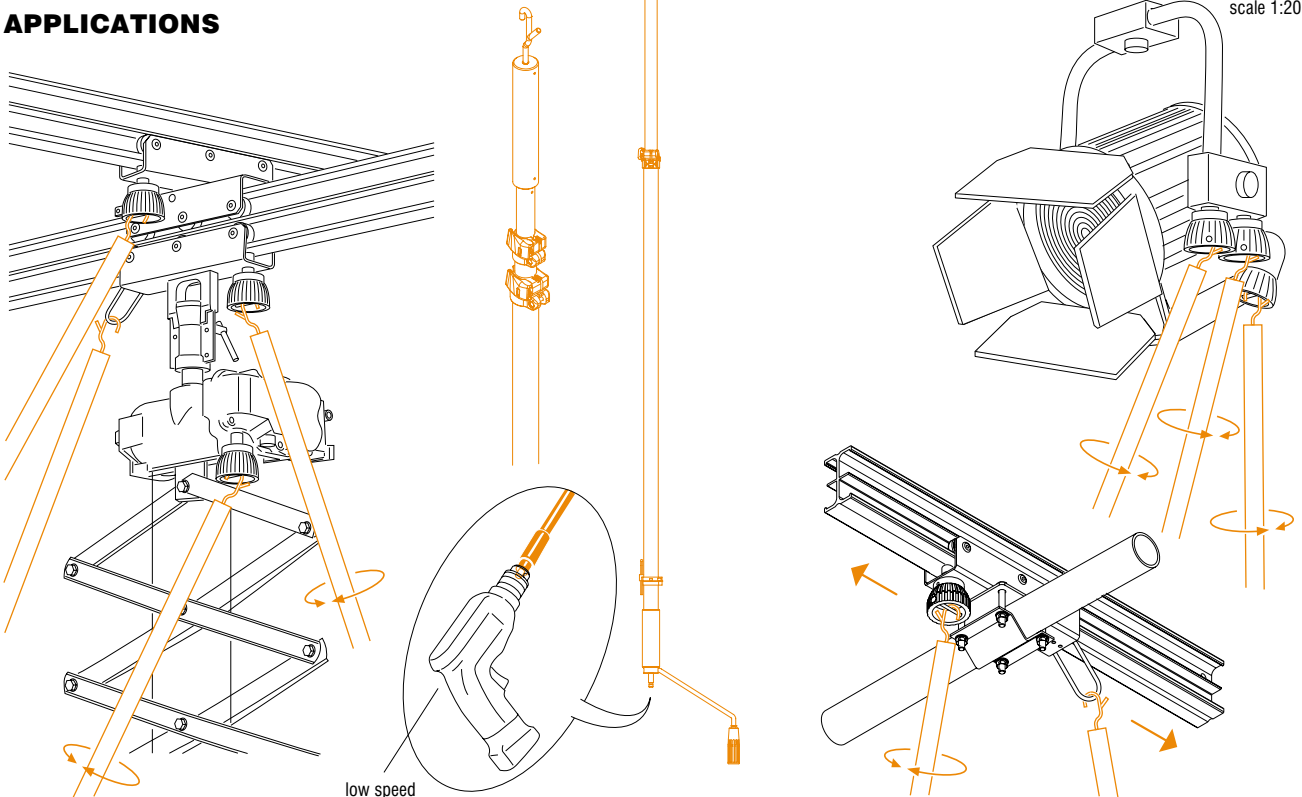


material: aluminium finish: silver

	429-4	429-6
L max width:	4000 mm 157 1/2 inch	6000 mm 236 7/32 inch
L closed width:	1930 mm 75 31/32 inch	2600 mm 102 3/8 inch
weight:	2,6 kg 5,73 lb	2,9 kg 6,39 lb
volume:	0,08 cu m 2,825 cu ft	0,105 cu m 3,708 cu ft
weight:	3,3 kg 7,28 lb	3,65 kg 8,04 lb



APPLICATIONS













low speed drill (MAX 150 RPM)

Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch. **IMPORTANT:** installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

Sometimes no matter how carefully you plan there is always the need put a luminaire just slightly to one side or to use a lighting stand with a 28mm socket when your luminaire has a 16mm socket.

At these times you need to choose your selection from the range of arms and adaptors.


QUICK SELECTION GUIDE

PRODUCT	CODE	DESCRIPTION	APPLICATION	DATAS	PAGE
	013	1Spigot adapter 5/8" to 5/8"		0,07kg/0,154lb 0,00003m/0,001ft 0,07kg/0,154lb	10.30
	E200	Spigot adapter 5/8" to 1/8"		0,62kg/1,37lb 0,00014m/0,0049ft 0,62kg/1,37lb	10.40
	FF3257	Female adapter 5/8" to 1 1/8"		0,700kg/1,540lb 0,0020m/0,0706ft 0,740kg/1,631lb	10.50
	FF3260	Female - male adapter 5/8" spigot to 1 1/8" female		0,562kg/1,239lb 0,0020m/0,0706ft 0,602kg/1,327lb	10.60
	FF3261	Balancer		0,500kg/1,102lb 0,002m/0,07ft 0,54kg/1,19lb	10.70
	FF3262	Arm with 7 mounting points (5/8")		1,194kg/2,632lb 0,0070m/0,2472ft 1,694kg/3,734lb	10.80
	FF3866	Arm with 3 mounting points (1 1/8")		3,50kg/7,72lb 0,03m/1,059ft 4,00kg/8,818lb	10.90
	FF3868	Spigot mounting point 5/8"		0,23kg/0,507lb 0,0020m/0,0706ft 0,27kg/0,595lb	10.100
	FF3867	Spigot mounting point 1 1/8"		0,62kg/1,366lb 0,0020m/0,0706ft 0,66kg/1,455lb	10.110
	FF3869	Female mounting point 1 1/8"		0,750kg/1,654lb 0,0020m/0,0706ft 0,79kg/1,741lb	10.120

013

Spigot adapter 5/8" to 5/8"


The adapter converts a 5/8" (16mm) female attachment into a 5/8" (16mm) spigot.

 material: brass

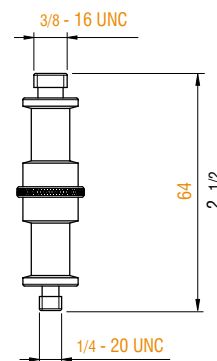
 finish: NA

 weight: 0,07kg
0,154 lb

 volume: 0,00003 cu m
0,001 cu ft

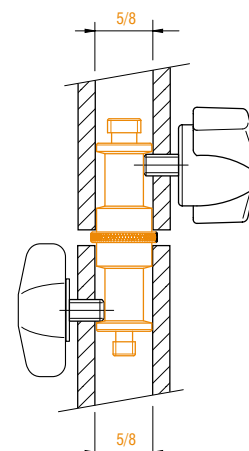
 max. load: NA


 weight: 0,07 kg
0,154 lb



scale 1:2

APPLICATIONS





Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch.  **IMPORTANT:** installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

E200

Spigot adapter 5/8" to 1-1/8"


The adapter converts a 5/8" (16mm) female attachment into a 1-1/8" (29mm) spigot.

 material: steel

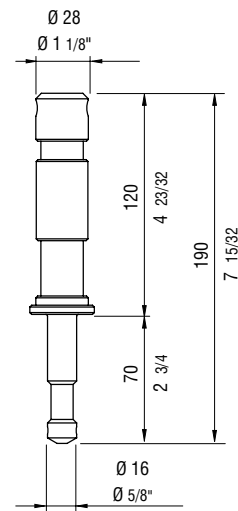
 finish: chrome plated

 weight: 0,62 kg
1,37 lb

 volume: 0,00014 cu m
0,0049 cu ft

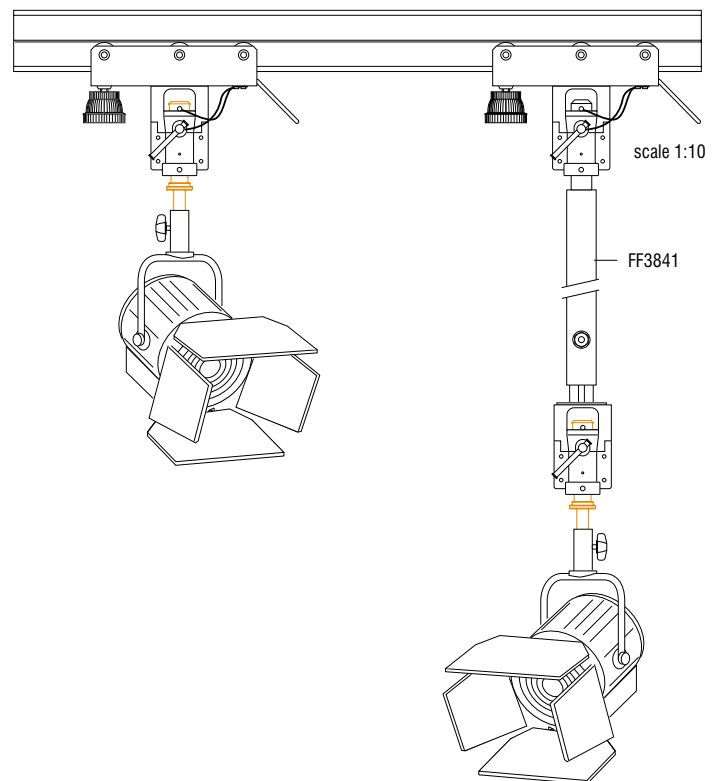
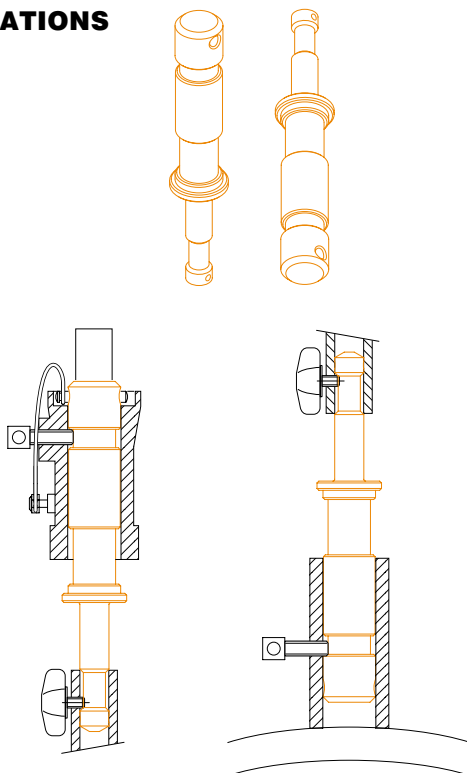
 max. load: NA


 weight: 0,62 kg
1,37 lb



scale 1:4

APPLICATIONS





Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch. 
IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.


FF3257


Female adapter 5/8" to 1 1/8"


The adapter converts a 5/8" (16mm) spigot into a 1 1/8" female attachment.

 material: main body: aluminium
part: steel

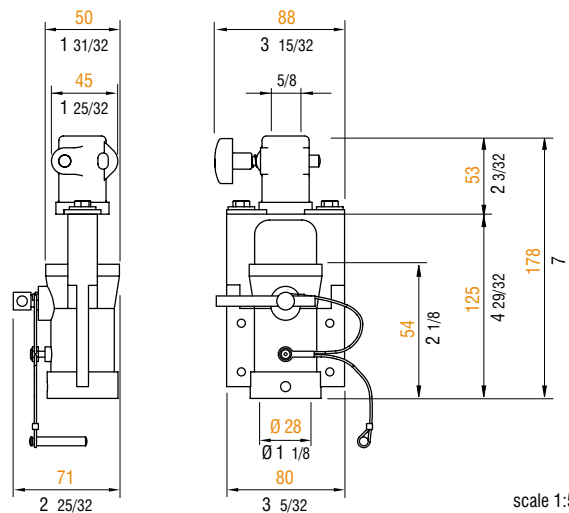
 finish: grey powder coating with orange peel finish RAL 7016

 weight: 0,700 kg
1,540 lb

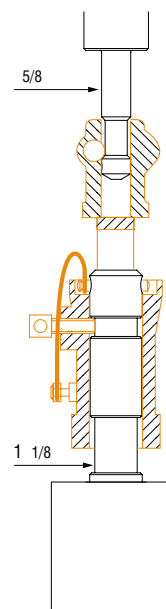
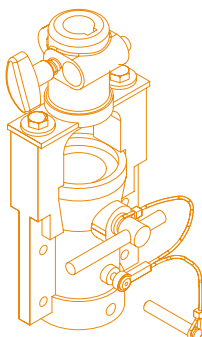
 volume: 0,0020 cu m
0,0706 cu ft


 max. load: 100 kg
220 lb

 weight: 0,740 kg
1,631 lb



APPLICATIONS





Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch. 
IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3260

Female – male adapter 5/8” spigot to 1 1/8 female


The adapter converts a 5/8” (16mm) female attachment into a 1 1/8” female attachment.


 material: main body: aluminium
part: steel

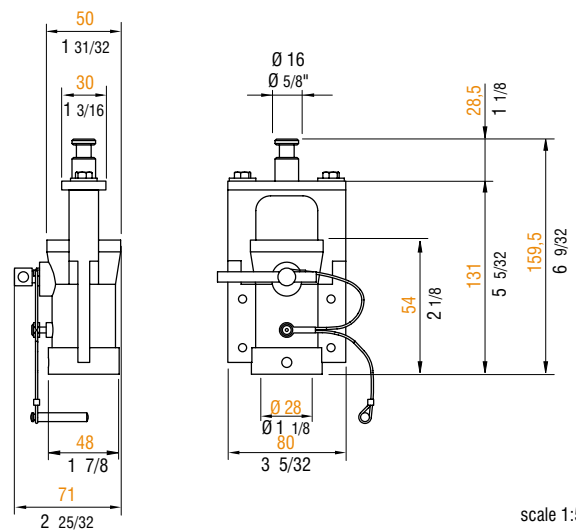
 finish: grey powder coating with orange peel finish RAL 7016

 weight: 0,562 kg
1,239 lb

 volume: 0,0020 cu m
0,0706 cu ft

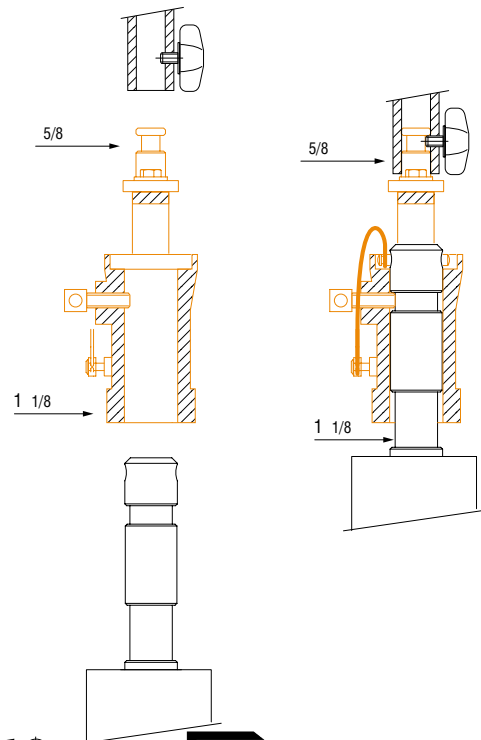
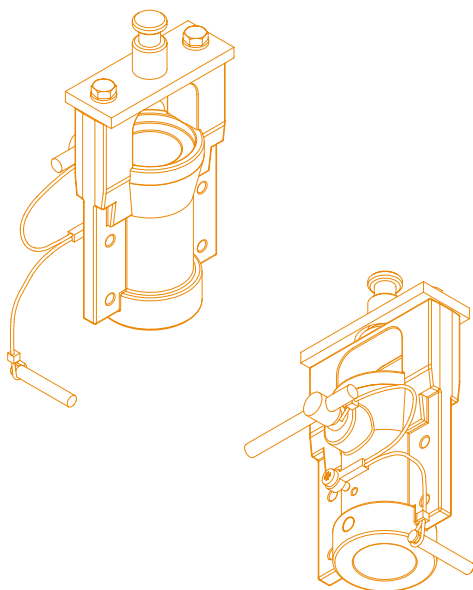
 max. load: 80 kg
176 lb


 weight: 0,602 kg
1,327 lb



scale 1:5

APPLICATIONS



Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch.  IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3261

Balancer

Bracket to balance the weights on pantographs or drop arms. See picture below.

material: main body: aluminium
part: steel

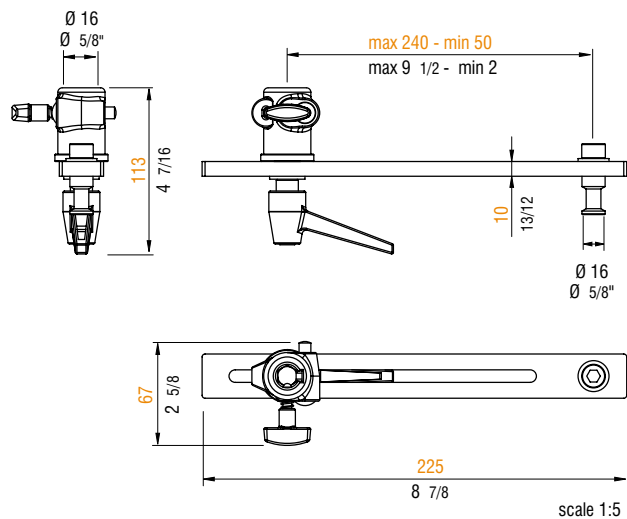
finish: black powder smooth RAL 9005

weight: 0,500 kg
1,102 lb

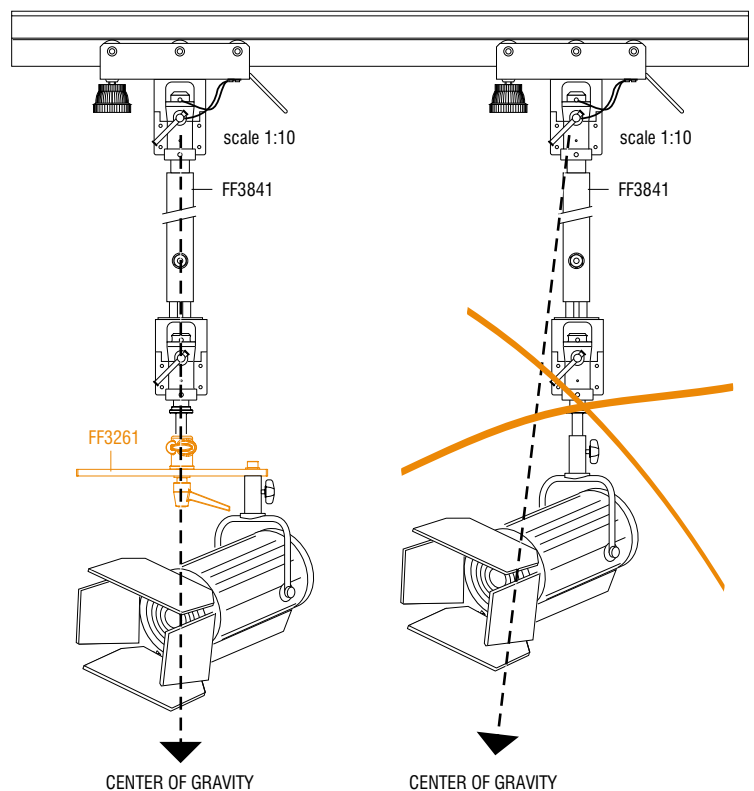
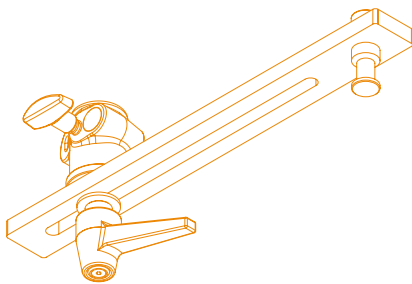
volume: 0,002 cu m
0,07 cu ft

max. load: 80 kg
176 lb

weight: 0,54 kg
1,19 lb



APPLICATIONS





Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch. IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3262

Arm with 7 mounting points (5/8")


The Arm is used to suspend up to 6 lighting fixtures from a single pantograph or drop arm.


 material: steel

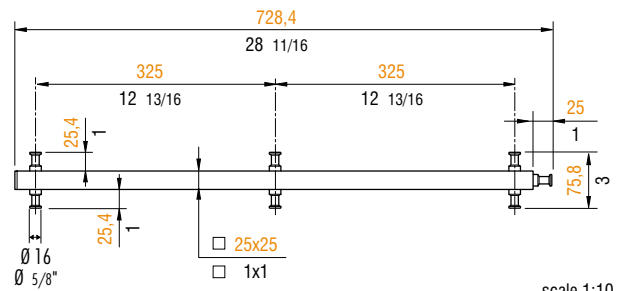
 finish: grey powder coating with orange peel finish RAL 7016

 weight: 1,194 kg
2,632 lb

 volume: 0,0070 cu m
0,2472 cu ft

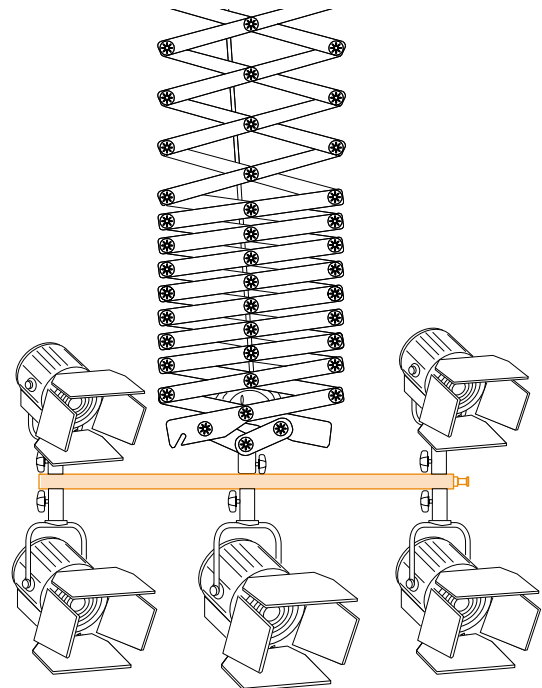
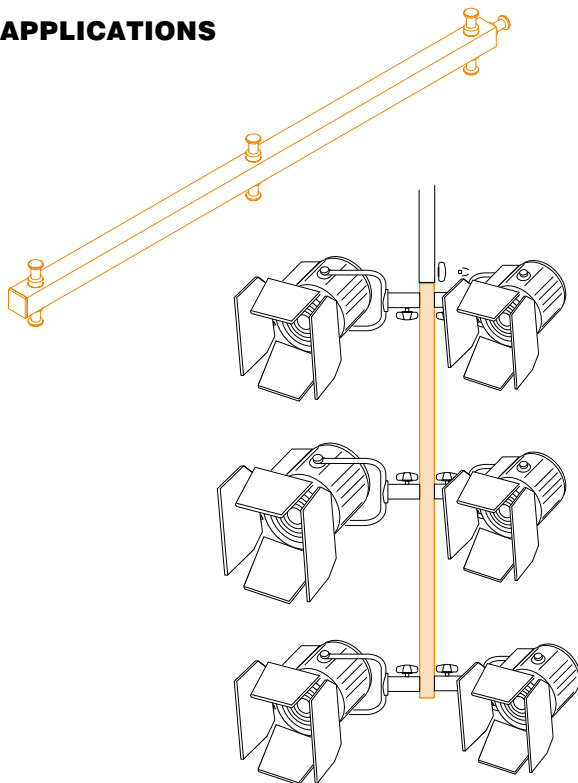
 max. load: 80 kg
176 lb


 weight: 1,694 kg
3,734 lb



scale 1:10

APPLICATIONS



Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch.  **IMPORTANT:** installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3866

Arm with 3 mounting points (1 1/8")

The arm is used to suspend 2 lighting fixtures from a single pantograph or drop arm.

material: main body: steel & aluminium

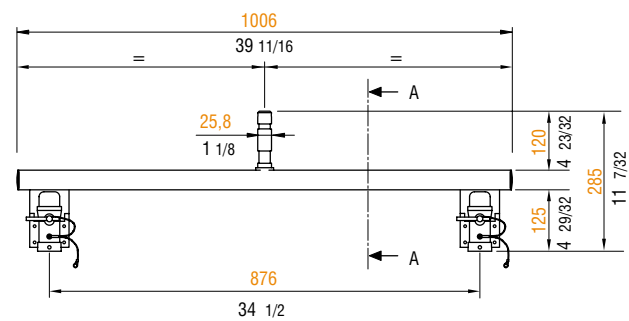
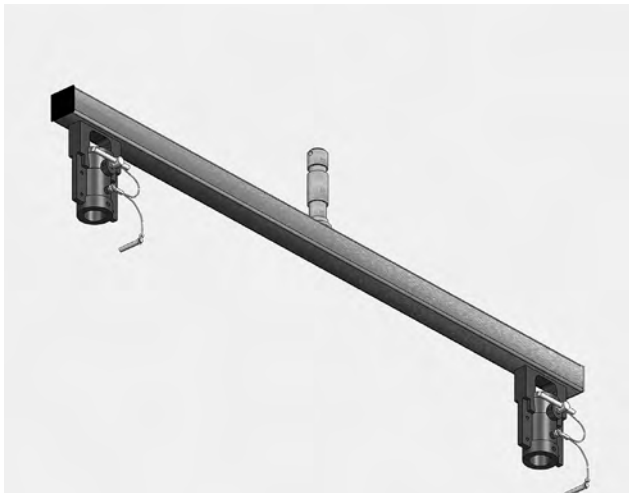
finish: grey powder coating with orange peel finish RAL 7016

weight: 3,50 kg
7,72 lb

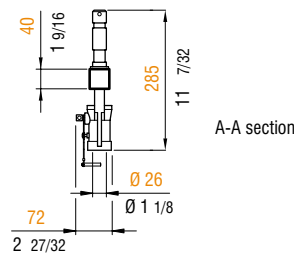
volume: 0,03 cu m
1,059 cu ft

max. load: 60 kg
132 lb

weight: 4,00 kg
8,818 lb

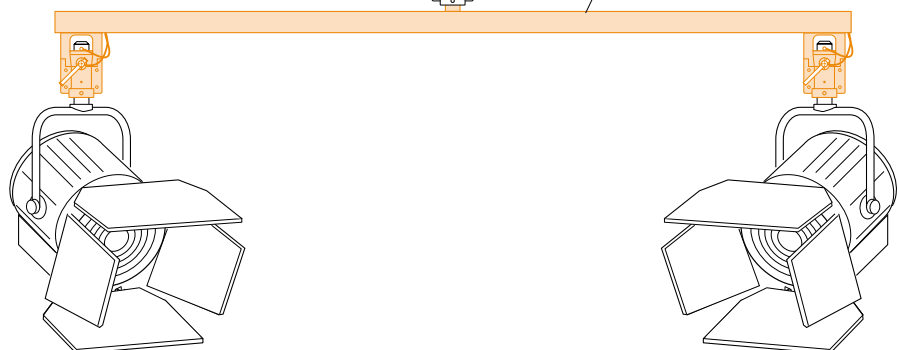
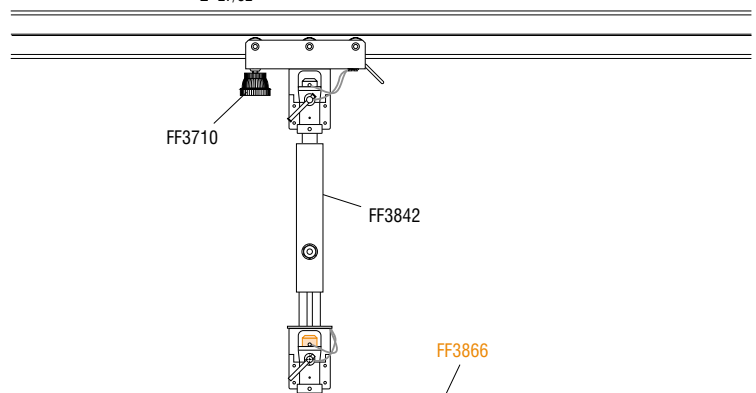
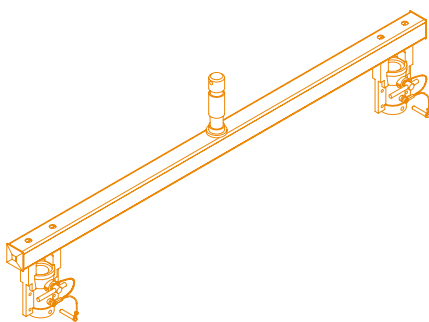


scale 1:15



A-A section

APPLICATIONS



Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch.
IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3868



Spigot mounting point 5/8"

Use clamps FF3601 for mounting onto IFF rails or FF3605 for pipes



material main body: steel



finish: grey powder coating with orange peel finish RAL 7016



weight: 0,23 kg
0,507 lb



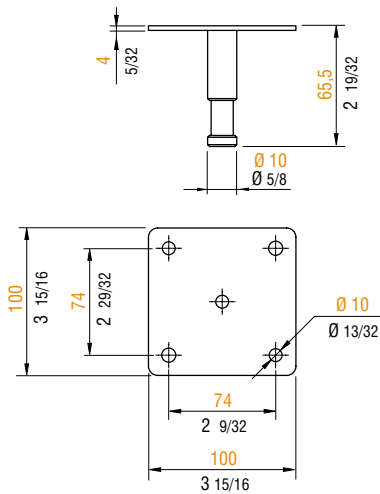
volume: 0,0020 cu m
0,0706 cu ft



max. load: 80 kg
176 lb



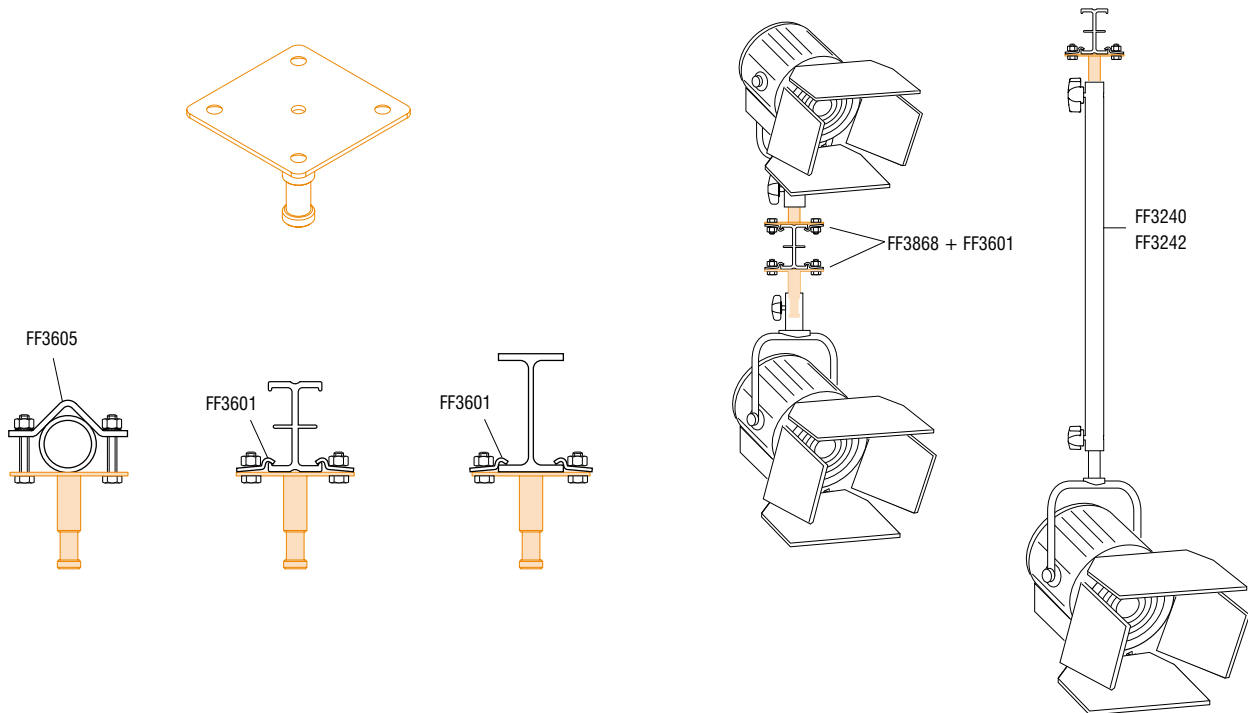
weight: 0,27 kg
0,595 lb



10

scale 1:4

APPLICATIONS









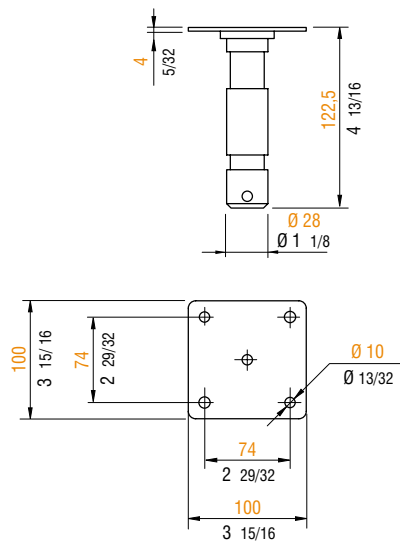
Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch. IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3867    

Spigot mounting point 1 1/8"

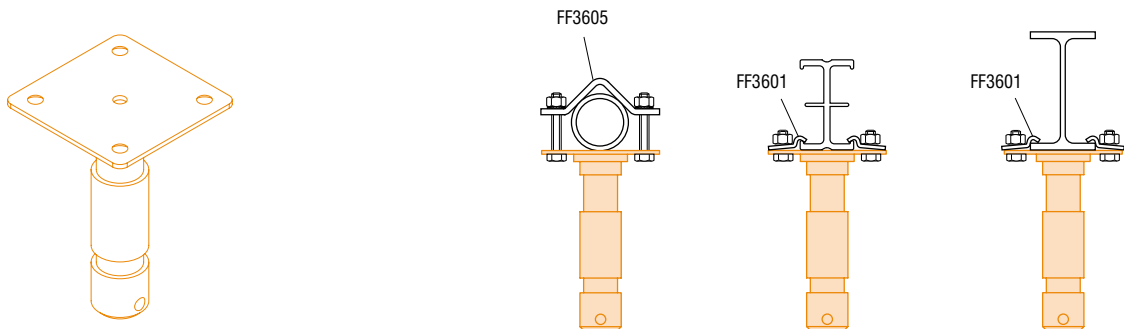
Use clamps FF3601 for mounting onto IFF rails or FF3605 for pipes.



-  material main body: steel
-  finish: grey powder coating with orange peel finish RAL 7016
-  weight: 0,62 kg
1,366 lb
-  volume: 0,0020 cu m
0,0706 cu ft
-  max. load: 80 kg
176 lb
-  weight: 0,66 kg
1,455 lb



scale 1:5

APPLICATIONS



Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch.  
IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

FF3869



Female mounting point 1 1/8"

Use clamps FF3601 for mounting onto IFF rails or FF3605 for pipes



material main body: aluminium
part: steel



finish: grey powder coating with orange peel finish RAL 7016



weight: 0,750 kg
1,654 lb



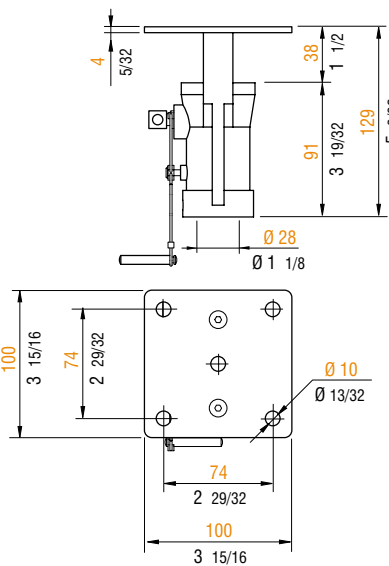
volume: 0,0020 cu m
0,0706 cu ft



max. load: 80 kg
176 lb



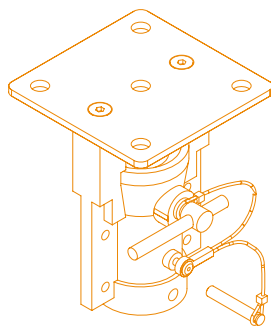
weight: 0,79 kg
1,741 lb



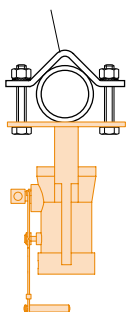
10

scale 1:5

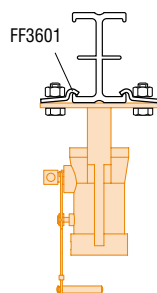
APPLICATIONS



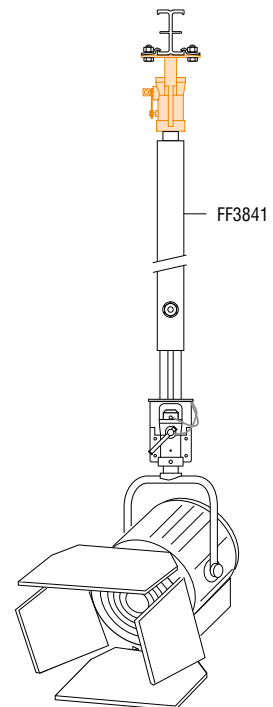
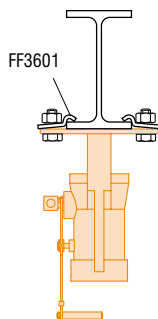
FF3605



FF3601









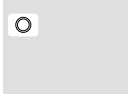




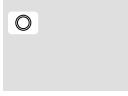




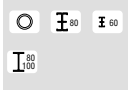














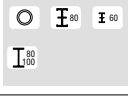




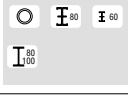













FF3601



Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch.
IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

A range of versatile clamps for fixing to pipe or I-beams.

QUICK SELECTION GUIDE

PRODUCT	CODE	DESCRIPTION	APPLICATION	DATAS	PAGE
	C210	Baby pipe clamp with 16mm stud		 0,62kg/1,37lb  0,006m/0,221ft  0,7kg/1,54lb	11.30
	C100	Junior pipe clamp with 28mm socket		 1,13kg/2,49lb  0,005m/0,177ft  1,18kg/2,601lb	11.40
	C350	Barrel clamp		 1,00kg/2,20lb  0,000m/0,000ft  000kg/000lb	11.50
	C339	Grab clamp		 1,20kg/2,64lb  0,007m/0,274ft  1,2kg/2,64lb	11.60
	C339UH	Grab clamp with universal head		 1,95kg/4,30lb  0,009m/0,246ft  2,43kg/5,35lb	11.70
	C339LE	Grab clamp with lifting eye		 1,40kg/3,08lb  0,006m/0,237ft  1,70kg/3,75lb	11.80
	C339SP	Grab clamp with spinning pulley		 1,65kg/3,63lb  0,006m/0,209ft  1,80kg/3,96lb	11.90
	C339BB	Grab clamp with 16mm bushing		 1,35kg/2,97lb  0,006m/0,237ft  1,73kg/3,81lb	11.100
	FF3276	Safety steel cable Ø 2mm - length 35cm		 0,06kg/0,132lb  0,0007m/0,0247ft  0,06kg/0,132lb	11.110
	FF3870	Safety steel cable Ø 2,5mm - length 70cm		 0,08kg/0,176lb  0,0007m/0,0247ft  0,08kg/0,176lb	11.110
	FF3871	Safety steel cable Ø 4mm - length 70cm		 0,1kg/0,22lb  0,0007m/0,0247ft  0,1kg/0,22lb	11.110

C210



Baby pipe clamp with 16 mm stud

Clamping range encompasses pipe from 10 mm to 55 mm diameter.



material: rugged gravity cast aluminium



finish: black powder smooth RAL 9005



weight: 0,62 kg
1,37 lb



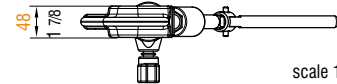
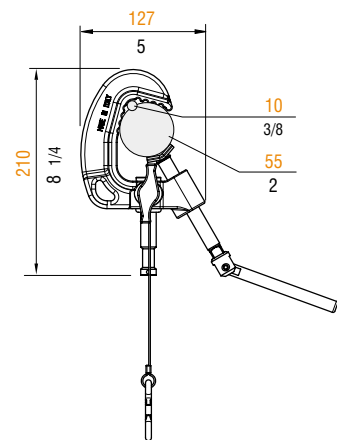
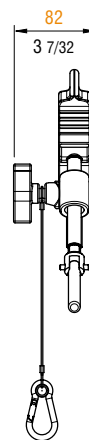
volume: 0,006 cu m
0,211 cu ft



max. load: 100 kg
220 lb



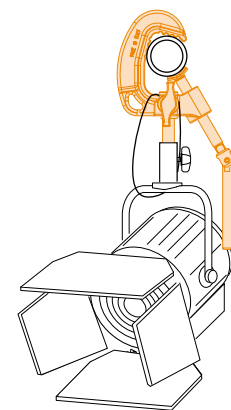
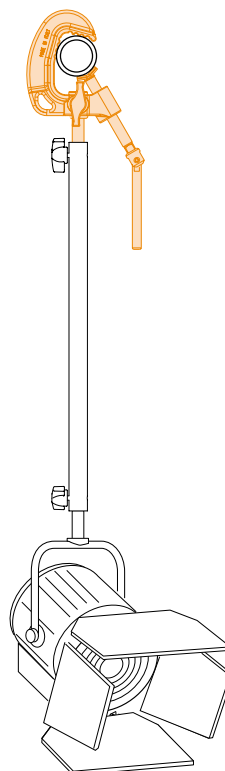
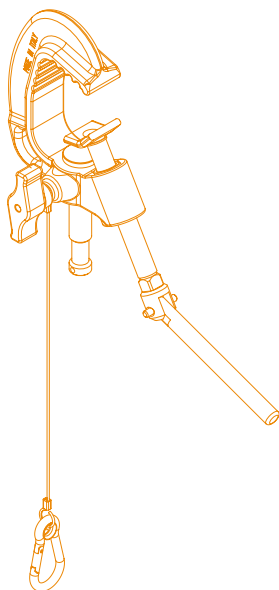
weight: 0,7 kg
1,54 lb





scale 1:7,5

11

APPLICATIONS




Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch.  
IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

C100 


Junior pipe clamp with 28 mm socket


Clamping range encompasses pipe from 20 mm to 55 mm diameter.

 material: rugged gravity cast aluminium

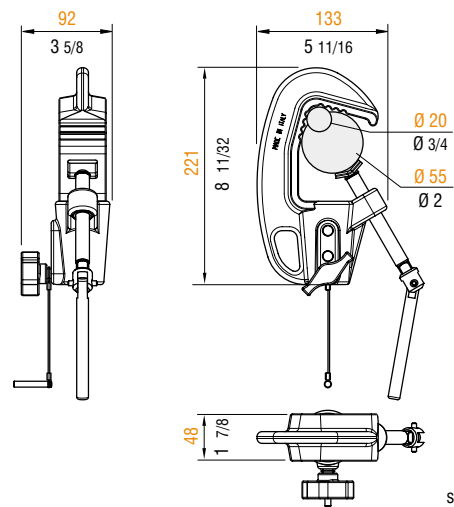
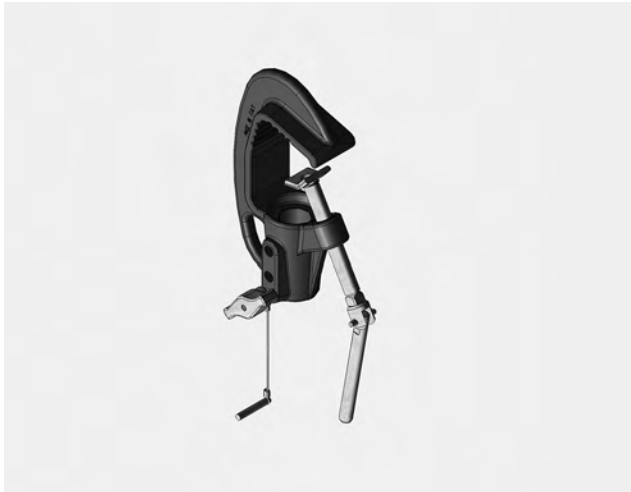
 finish: black powder smooth RAL 9005

 weight: 1,13 kg
2,49 lb

 volume: 0,005 cu m
0,177 cu ft

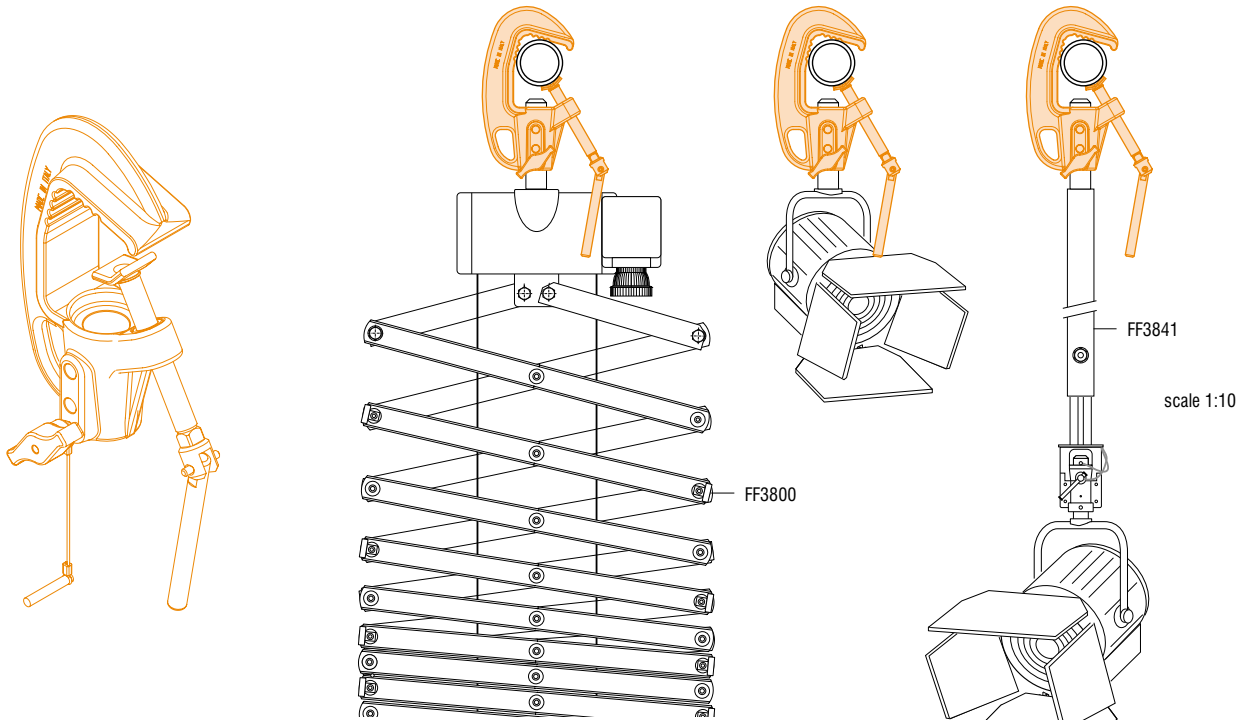
 max. load: 250 kg
550 lb


 weight: 1,18 kg
2,601 lb



11

APPLICATIONS



Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch. 
 IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

C339



I 60

I 80

I 80
I 100

Grab clamp

Supplied without attachment, but with a 12,5 mm hole for custom fixings.



material: steel



finish: tropicalized



weight: 1,20 kg
2,64 lb



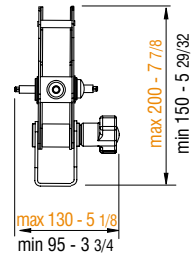
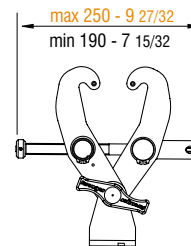
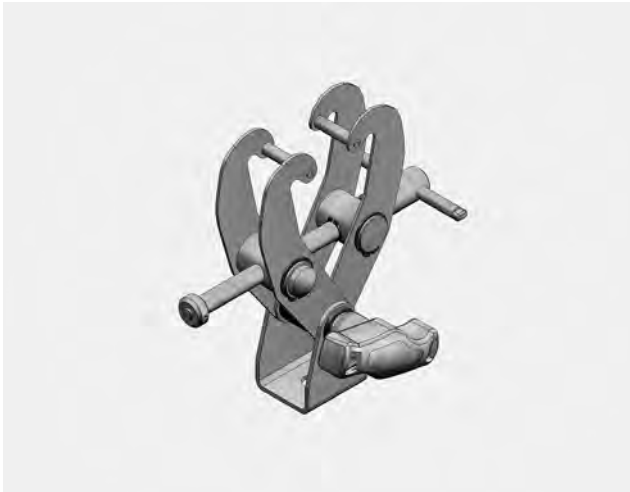
volume: 0,007 cu m
0,247 cu ft



max. load: 150 kg
330 lb

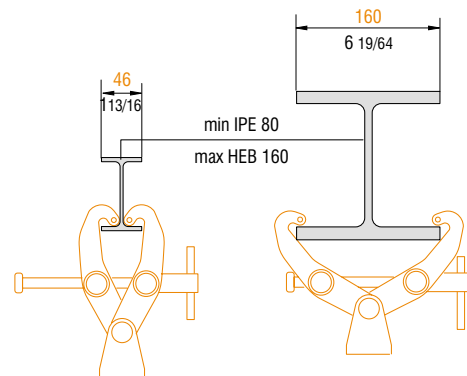
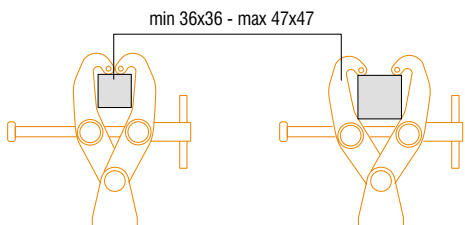
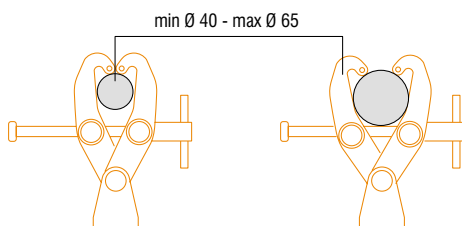


weight: 1,2 kg
2,64 lb



scale 1:7,5

APPLICATIONS



C339UH



60

80

80
100

Grab clamp with universal head

Provided with 1 1/8" and 5/8" female and 5/8" male attachment.
Head not rotating.

material: body: steel
part: aluminium

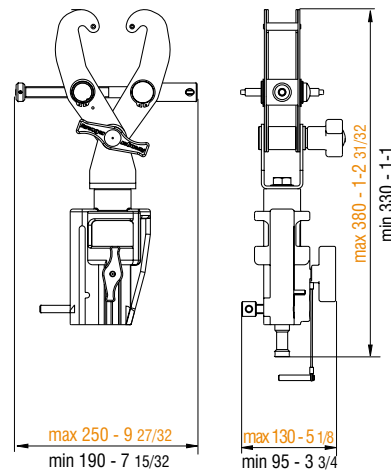
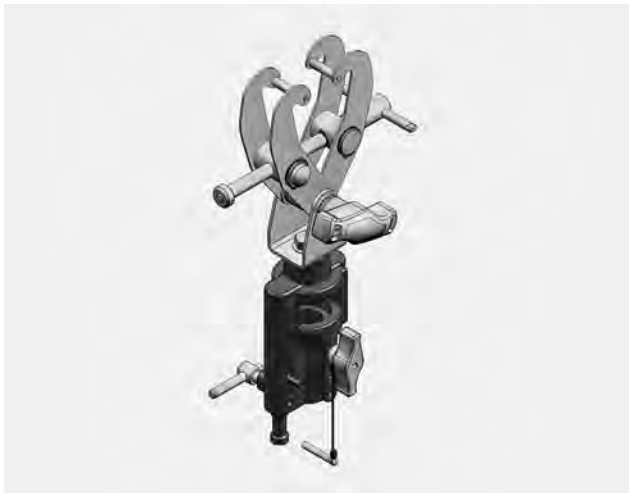
finish: body: tropicalized
part: black powder smooth RAL 9005

weight: 1,95 kg
4,30 lb

volume: 0,009 cu m
0,246 cu ft

max. load: 75 kg
165 lb

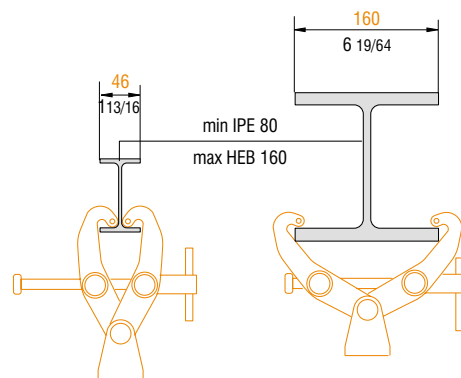
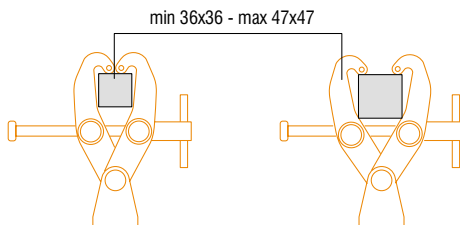
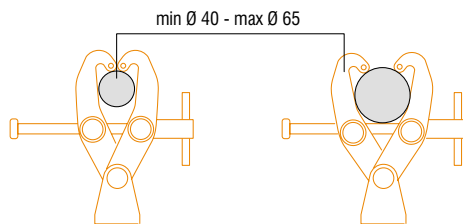
weight: 2,43 kg
5,35 lb



scale 1:7,5

11

APPLICATIONS



Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch.
IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

C339LE



I 60



I 80



I 80
I 100

Grab clamp with lifting eye

Complete with standard lifting eye for chain or rope fixture.



material: steel



finish: tropicalized



weight: 1,40 kg
3,08 lb



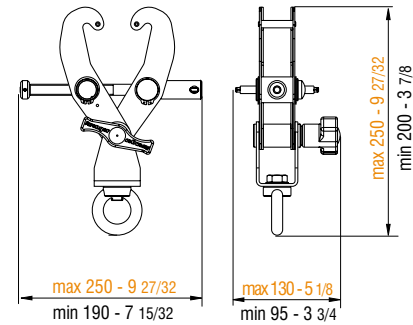
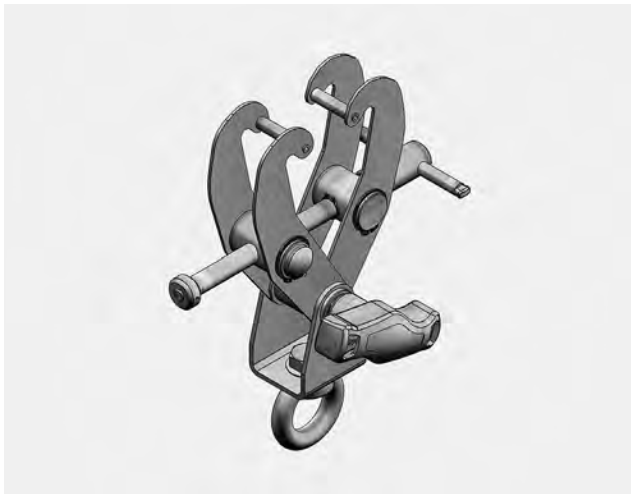
volume: 0,006 cu m
0,237 cu ft



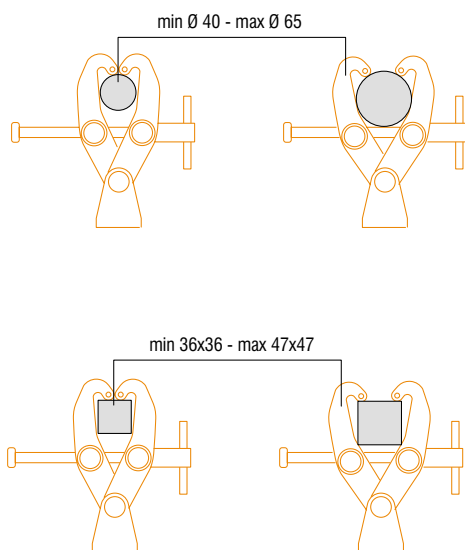
max. load: 150 kg
330 lb



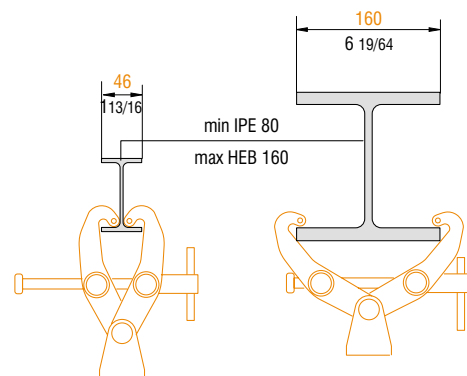
weight: 1,70 kg
3,75 lb



APPLICATIONS



scale 1:7,5



C339SP



60

80

80
100

Grab clamp with spinning pulley

Fitted with a 100 mm diameter pulley to offer a quick and robust hanging point for TV and theatre scenery.

material: body: steel
part: black nylon

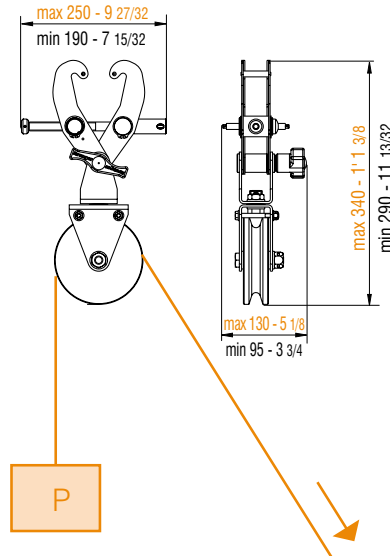
finish: tropicalized

weight: 1,65 kg
3,63 lb

volume: 0,006 cu m
0,209 cu ft

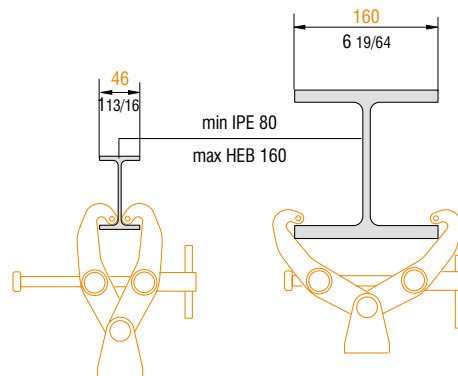
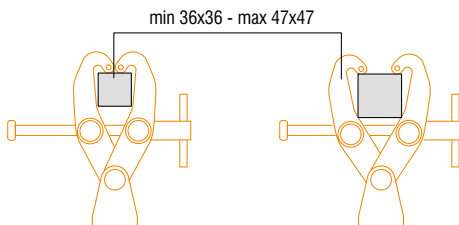
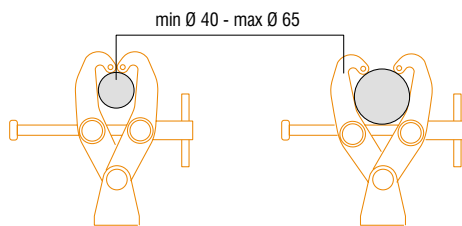
max. load: 150 kg
330 lb

weight: 1,80 kg
3,96 lb



scale 1:7,5

APPLICATIONS



Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch.
IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

C339BB



I 60



I 80



I 80
100

Grab clamp with 16 mm bushing

Comes with 16 m bushing complete with push button for extra-safe attachment.



material: body : steel
part: aluminium



finish: body: tropicalized
part: black powder smooth RAL 9005



weight: 1,35 kg
2,97 lb



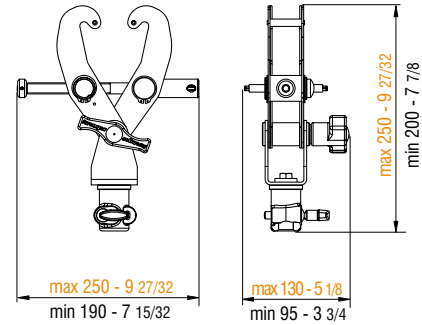
volume: 0,006 cu m
0,237 cu ft



max. load: 50 kg
110 lb

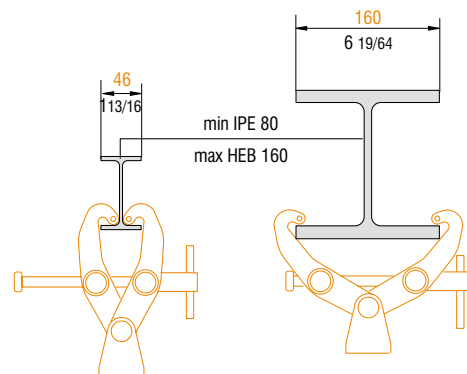
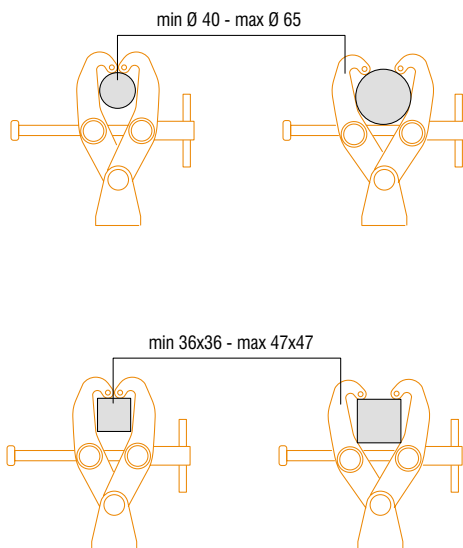


weight: 1,73 kg
3,81 lb




scale 1:7,5

APPLICATIONS



SAFETY STEEL CABLE

FF3276: Ø 2 mm - length 35 cm
 FF3870: Ø 2,5 mm - length 70 cm
 FF3871: Ø 4 mm - length 70 cm

 material: steel

 finish:

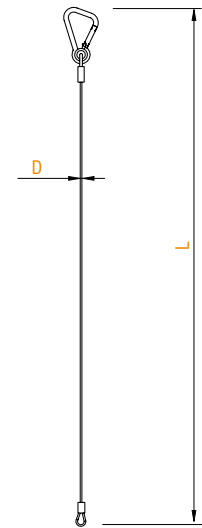
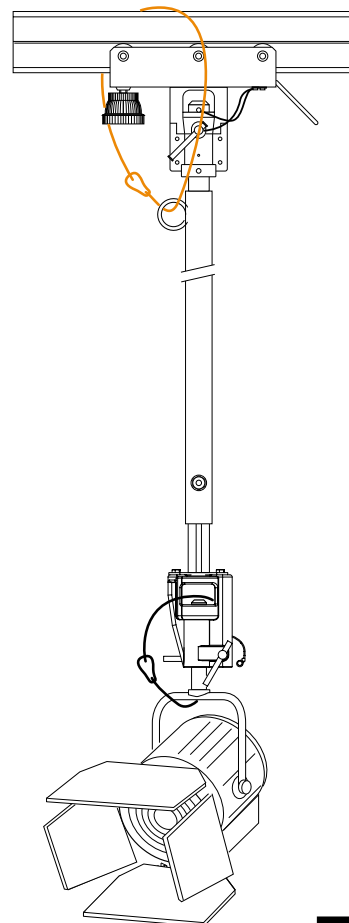
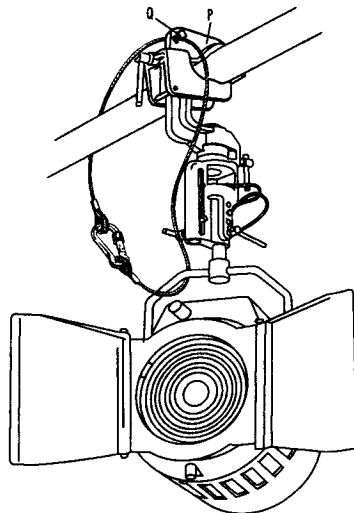
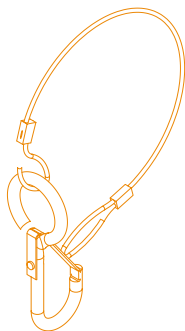
Used between luminaires and suspension for extra safety



	FF3276	FF3870	FF3871
D diameter: mm	2	2,5	4
inch	5/64	2/32	5/32
L width: mm	350	700	700
inch	14	27 1/2	27 1/2
W weight: kg	0,06	0,08	0,1
lb	0,132	0,176	0,22
T max. load: kg	20	40	85
lb	44	88	187
V volume: cu m	0,0007	0,0007	0,0007
cu ft	0,0247	0,0247	0,0247
W weight: kg	0,06	0,08	0,1
lb	0,132	0,176	0,22

11


APPLICATIONS



scale 1:10





















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CODE	DESCRIPTION	APPLICATION	PAGE
013	Spigot adapter 5/8" to 5/8"		10.30
429-4,0	Telescopic operating pole length 4m - 13,11ft		9.70
429-6,0	Telescopic operating pole length 6m - 19,68ft		9.70
C100	Junior pipe clamp with 28mm socket	○	11.40
C210	Baby pipe clamp with 16mm stud	○	11.30
C339	Grab clamp	○ I ¹⁰⁰ I ¹⁵⁰ I ²⁰⁰	11.60
C339BB	Grab clamp with 16mm bushing	○ I ¹⁰⁰ I ¹⁵⁰ I ²⁰⁰	11.100
C339LE	Grab clamp with lifting eye	○ I ¹⁰⁰ I ¹⁵⁰ I ²⁰⁰	11.80
C339SP	Grab clamp with spinning pulley	○ I ¹⁰⁰ I ¹⁵⁰ I ²⁰⁰	11.90
C339UH	Grab clamp with universal head	○ I ¹⁰⁰ I ¹⁵⁰ I ²⁰⁰	11.70
C350	Barrel clamp	○	11.50
E200	Spigot adapter 5/8" to 1 1/8"		10.40
FF3208	Alignment connector	I ¹⁰⁰	2.30
FF3209V	Wall bracket for 3 rails	○ Y ¹⁰⁰ I ¹⁵⁰ I ²⁰⁰	4.70
FF3210	Ceiling bracket	I ¹⁰⁰	4.130
FF3213V	Wall bracket for one rail	○ Y ¹⁰⁰ I ¹⁵⁰ I ²⁰⁰	4.50
FF3214C	Ceiling bracket with eye hook	○ Y ¹⁰⁰ I ¹⁵⁰ I ²⁰⁰	4.120
FF3226C	Kit of 5 cable carriages with bearing	I ¹⁰⁰	7.40
FF3226F	Wire rope cable carriage		7.80
FF3226V	Rail 60 cable carriage	I ¹⁰⁰	7.50
FF3227C	Curtain carriages	I ¹⁰⁰	8.40
FF3227K	Curtain carriage for heavy curtains	I ¹⁰⁰	8.50
FF3229	Carriage with brake and 5/8" spigot	I ¹⁰⁰	5.50
FF3229L	Curtain carriage with twist lock	I ¹⁰⁰	8.70
FF3229T	Heavy duty curtain carriage with cup for pulling curtain	I ¹⁰⁰	8.60
FF3231D	Heavy-duty carriage with brake and universal head	I ¹⁰⁰	5.60
FF3235	Double carriage with brakes	I ¹⁰⁰	6.40
FF3240	Extension tube length 50cm - 13,11 inches		9.30
FF3242	Extension tube length 50cm - 13,11 inches		9.30
FF3257	Female adapter 5/8" to 1 1/8"		10.50
FF3260	Female - male adapter 5/8" spigot to 1 1/8" female		10.60
FF3261	Balancer		10.70
FF3262	Arm with 7 mounting points (5/8")		10.80
FF3276	Safety steel cable Ø 2mm - length 35cm		11.110
FF3540	Detachable carriage with brake	I ¹⁰⁰	5.30
FF3541	Detachable carriage with brake	I ¹⁰⁰	5.40
FF3601	Rail clamps	Y ¹⁰⁰ I ¹⁵⁰ I ²⁰⁰ I ²⁵⁰	4.30
FF3602	Clamp for pipe to rail connection	Y ¹⁰⁰ I ¹⁵⁰ I ²⁰⁰ I ²⁵⁰	4.230
FF3605	Pipe clamp	○	4.40
FF3606	Ceiling bracket for pipes	○	4.250
FF3612	Ajustable bracket	○ Y ¹⁰⁰ I ¹⁵⁰ I ²⁰⁰ I ²⁵⁰	4.200
FF3614	Adapter bracket for "I" beam to IFF rail system	○ Y ¹⁰⁰ I ¹⁵⁰ I ²⁰⁰ I ²⁵⁰	4.160
FF3614R	Adapter bracket for "I" beam to IFF rail system	○ Y ¹⁰⁰ I ¹⁵⁰ I ²⁰⁰ I ²⁵⁰	4.170
FF3616	Extension bracket for variable heights	Y ¹⁰⁰ I ¹⁵⁰ I ²⁰⁰	4.190
FF3618	Wall bracket for 2 rails	Y ¹⁰⁰ I ¹⁵⁰ I ²⁰⁰	4.60

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CODE	DESCRIPTION	APPLICATION	PAGE
FF3620	Extension bracket 35cm length		4.180
FF3624	Extension bracket 65cm length		4.180
FF3625	Extension bracket. Length on request		4.180
FF3626	Spacer bracket for up to 3 rails		4.100
FF3627	Specer for 2 rails		4.90
FF3628	Base plate		4.80
FF3630	Ceiling bracket		4.110
FF3631	Rail bracket for threaded rods (M12)		4.220
FF3632	Threaded rod (M12) 1m long		4.210
FF3660	End stop		3.40
FF3661	End stop (kit of 4)		3.30
FF3664	End stop with 4 cable ties		3.50
FF3665	End stop with flat cable holder		3.60
FF3670	Alignment connector		2.40
FF3672	Double bracket for rail crossing		4.140
FF3673	Alignment connector		2.50
FF3673C	Alignment connector for curved rails		2.60
FF3674	Flat adapter bracket for IFF rail system to "I"beams		4.150
FF3700	Double carriage for rail 80		6.50
FF3705	Carriage with twist lock and 1-1/8" female attachment		5.120
FF3706	Carriage for cross pipes		6.70
FF3707	Detachable carriage with twist lock and universal head		5.80
FF3707S	Detachable carriage with twist lock and universal head		5.90
FF3707S120	Detachable carriage with twist lock and universal head		5.100
FF3708	Carriage with twist lock and 1 1/8" female attachment		5.110
FF3708D	Carriage with twist lock and universal head		5.70
FF3709	Detachable carriage with 1-1/8" female attachment		5.170
FF3709D	Detachable carriage with universal head		5.180
FF3709E	Detachable carriage with twist lock and 1-1/8" female attachment		5.190
FF3710	Detachable carriage with twist lock and 1-1/8" female attachment		5.130
FF3710S	Detachable carriage with twist lock and 1-1/8" female attachment		5.140
FF3710S120	Detachable carriage with twist lock and 1-1/8" female attachment		5.150
FF3713	Double carriage for rail 80 to rail 60		6.60
FF3714	Bracket with clamps for pipes crossing		4.240
FF3715	Pipe carriage for cross pipes		6.80
FF3716	Rail 80 cable carriage		7.60
FF3717	Rail 80 heavy duty cable carriage		7.70
FF3719	Carriage with twist lock and 1-1/8 female attachment for receptacle		5.160
FF3720C	Curtains carriage		8.80
FF3722C	Towing carriage		8.100
FF3723	Carriage for panels and scenery		8.120
FF3723C	Curtains carriage		8.90
FF3724C	Towing carriage with brake		8.110
FF3732	Motorized carriage for type 80 rails and IPE 80		5.200
FF3732S	Motorized carriage for IPE 100		5.200

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CODE	DESCRIPTION	APPLICATION	PAGE
FF3732S120	Motorized carriage for IPE 120		5.200
FF3740Y040	Cyclorama tower		8.130
FF3755	Switch 3/3 rail 50		8.160
FF3756	Switch 3/2 rail 50		8.150
FF3757	Switch 2/1 rail 50 DX		8.140
FF3765	Switch 3/3 rail 60		8.190
FF3766	Switch 3/2 rail 60		8.180
FF3767	Switch 2/1 rail 60 DX		8.170
FF3840	Telescopic drop-arm extension 113cm up to 200cm (44" to 78")		9.40
FF3840D	"D" Telescopic drop-arm extension 113cm up to 200cm (44" to 78")		9.50
FF3840ST	"ST" Telescopic drop-arm extension 113cm up to 200cm (44" to 78")		9.60
FF3841	Telescopic drop-arm extension 73cm up to 123cm (28" to 48")		9.40
FF3841D	"D" Telescopic drop-arm extension 73cm up to 123cm (28" to 48")		9.50
FF3841ST	"ST" Telescopic drop-arm extension 73cm up to 123cm (28" to 48")		9.60
FF3842	Telescopic drop-arm extension 43cm up to 65cm (17" to 25")		9.40
FF3842D	"D" Telescopic drop-arm extension 43cm up to 65cm (17" to 25")		9.50
FF3842ST	"ST" Telescopic drop-arm extension 43cm up to 65cm (17" to 25")		9.60
FF3844Y25	Telescopic drop-arm extension 138cm up to 250cm (48" to 102")		9.40
FF3844Y30	Telescopic drop-arm extension 163cm up to 300cm (68" to 122")		9.40
FF3844Y35	Telescopic drop-arm extension 188cm up to 350cm (78" to 148")		9.40
FF3844Y40	Telescopic drop-arm extension 213cm up to 400cm (88" to 162")		9.40
FF3844YD25	"D" Telescopic drop-arm extension 138cm up to 250cm (48" to 102")		9.50
FF3844YD30	"D" Telescopic drop-arm extension 163cm up to 300cm (68" to 122")		9.50
FF3844YD35	"D" Telescopic drop-arm extension 188cm up to 350cm (78" to 148")		9.50
FF3844YD40	"D" Telescopic drop-arm extension 213cm up to 400cm (88" to 162")		9.50
FF3844YST25	"ST" Telescopic drop-arm extension 138cm up to 250cm (48" to 102")		9.60
FF3844YST30	"ST" Telescopic drop-arm extension 163cm up to 300cm (68" to 122")		9.60
FF3844YST35	"ST" Telescopic drop-arm extension 188cm up to 350cm (78" to 148")		9.60
FF3844YST40	"ST" Telescopic drop-arm extension 213cm up to 400cm (88" to 162")		9.60
FF3866	Arm with 3 mounting points (1 1/8")		10.90
FF3867	Spigot mounting point 1 1/8"	   	10.110
FF3868	Spigot mounting point 5/8"	   	10.100
FF3869	Female mounting point 1 1/8"	   	10.120
FF3870	Safety steel cable Ø 2,5mm - length 70cm		11.110
FF3871	Safety steel cable Ø 4mm - length 70cm		11.110
FF5003	Rail 50 length 3000mm – 118 1/8"		1.30
FF5004	Rail 50 length 4000mm - 157 15/32"		1.30
FF5005	Rail 50 length 5000mm - 196 27/32"		1.30
FF50R135	Rail 50 curved 90° radius 1350mm - 53 5/32"		1.90
FF50R150	Rail 50 curved 90° radius 1500mm - 59 1/16"		1.90
FF50R165	Rail 50 curved 90° radius 1650mm - 64 31/32"		1.90
FF50R180	Rail 50 curved 90° radius 1800mm - 70 7/8"		1.90
FF50R195	Rail 50 curved 90° radius 1950mm - 76 25/32"		1.90
FF50R210	Rail 50 curved 90° radius 2100mm - 82 11/16"		1.90
FF50R225	Rail 50 curved 90° radius 2250mm - 88 19/32"		1.90
FF50R240	Rail 50 curved 90° radius 2400mm - 94 1/2"		1.90


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CODE	DESCRIPTION	APPLICATION	PAGE
FF50R255	Rail 50 curved 90° radius 2550mm - 100 13/32"		1.90
FF50R270	Rail 50 curved 90° radius 2700mm - 106 5/16"		1.90
FF50R285	Rail 50 curved 90° radius 2850mm - 112 3/16"		1.90
FF50R300	Rail 50 curved 90° radius 3000mm - 118 1/8"		1.90
FF6003	Rail 60 length 3000mm - 118 1/8"		1.50
FF6004	Rail 60 length 4000mm - 157 15/32"		1.50
FF6005	Rail 60 length 5000mm - 196 27/32"		1.50
FF60R105	Rail 60 curved 90° radius 1050mm - 41 11/32"		1.110
FF60R120	Rail 60 curved 90° radius 1200mm - 47 1/4"		1.110
FF60R135	Rail 60 curved 90° radius 1350mm - 53 5/32"		1.110
FF60R150	Rail 60 curved 90° radius 1500mm - 59 1/16"		1.110
FF60R165	Rail 60 curved 90° radius 1650mm - 64 31/32"		1.110
FF60R180	Rail 60 curved 90° radius 1800mm - 70 7/8"		1.110
FF8003	Rail 80 length 3000mm - 118 1/8"		1.70
FF8004	Rail 80 length 4000mm - 157 15/32"		1.70
FF8005	Rail 80 length 5000mm - 196 27/32"		1.70

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