

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

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
Ì	013	1Spigot adapter 5/8" to 5/8"		0,07kg/0,154lb	0,00003m/0,001ft	<b>◎</b> 0,07kg/0,154lb	10.30
ļ	E200	Spigot adapter 5/8" to 1/8"		0,62kg/1,37lb	0,00014m/0,0049ft	<b>1</b> 0,62kg/1,37lb	10.40
1	FF3257	Female adapter 5/8" to 1 1/8"		0,700kg/1,540lb	0,0020m/0,0706ft	<b>3</b> 0,740kg/1,631lb	10.50
1	FF3260	Female - male adapter 5/8" spigot to 1 1/8" female		0,562kg/1,239lb	0,0020m/0,0706ft	<b>1</b> 0,602kg/1,327lb	10.60
×.	FF3261	Balancer		① 0,500kg/1,102lb	0,002m/0,07ft	<b>3</b> 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
1	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"	O I 50 I 60	0,23kg/0,507lb	0,0020m/0,0706ft	<b>3</b> 0,27kg/0,595lb	10.100
1	FF3867	Spigot mounting point 1 1/8"	O \$50 \$50	0,62kg/1,366lb	0,0020m/0,0706ft	<b>1</b> 0,66kg/1,455lb	10.110
F	FF3869	Fernale mounting point 1 1/8"	<b>T</b> 80	0,750kg/1,654lb	0,0020m/0,0706ft	<b>1</b> 0,79kg/1,741lb	10.120

#### 013

# Spigot adapter 5/8" to 5/8"

material: brass

finish: NA

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

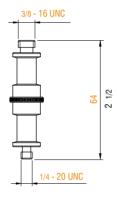
weight: 0,07kg

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





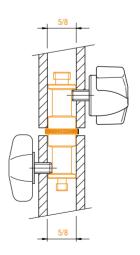




scale 1:2

#### **APPLICATIONS**





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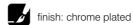


# E200

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

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





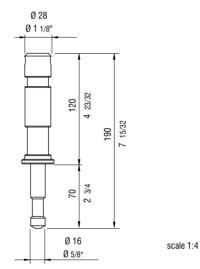


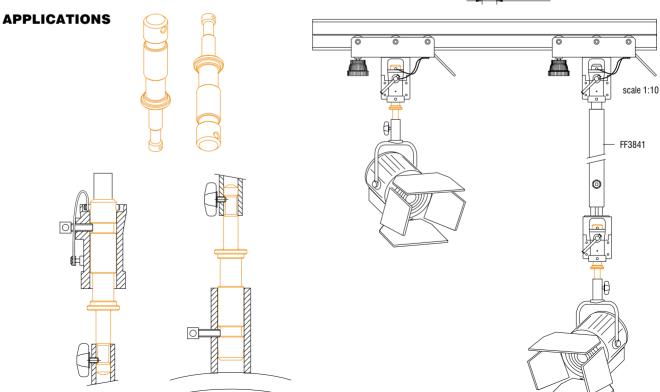
volume: 0,00014 cu m 0,0049 cu ft











# 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



finish: grey powder coating with orange peel finish RAL 7016



weight: 0,700 kg 1,540 lb



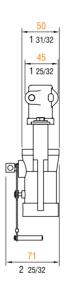
volume: 0,0020 cu m 0,0706 cu ft

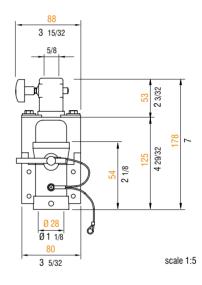


max. load: 100 kg 220 lb

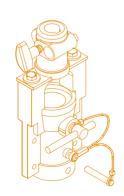


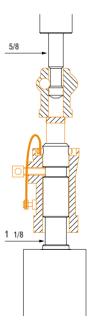
weight: 0,740 kg 1,631 lb

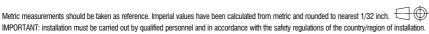




#### **APPLICATIONS**









# 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



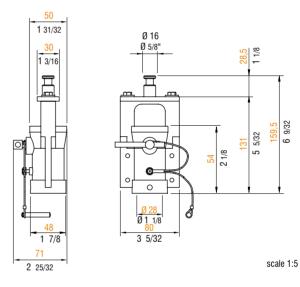
volume: 0,0020 cu m 0,0706 cu ft



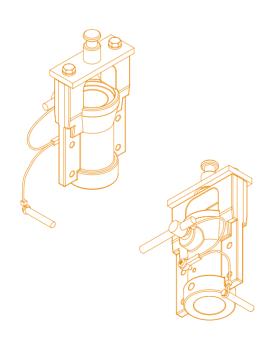
max. load: 80 kg 176 lb

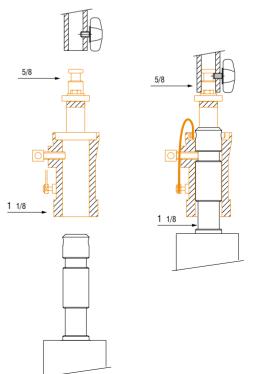


weight: 0,602 kg 1,327 lb



#### **APPLICATIONS**







# FF3261

#### Balancer

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



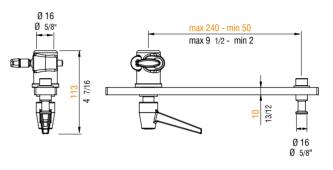
material: main body: aluminium part: steel

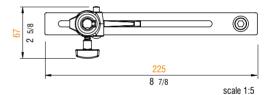
finish: black powder smooth RAL 9005

weight: 0,500 kg 1,102 lb volume: 0,002 cu m 0,07 cu ft

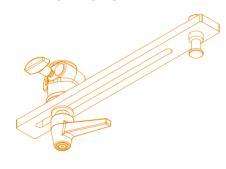
max. load: 80 kg 176 lb

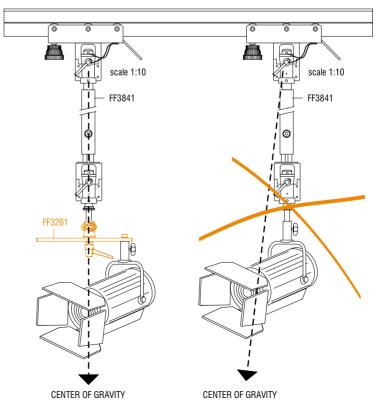
weight: 0,54 kg 1,19 lb





#### **APPLICATIONS**







# 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



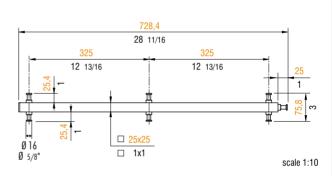
volume: 0,0070 cu m 0,2472 cu ft

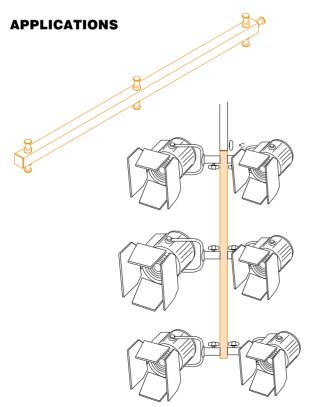


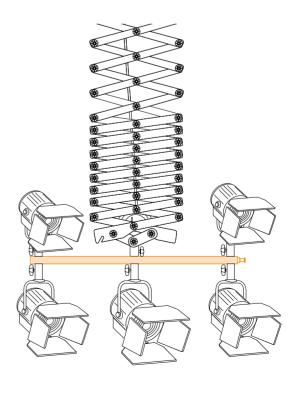
max. load: 80 kg 176 lb













# 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.

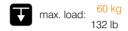




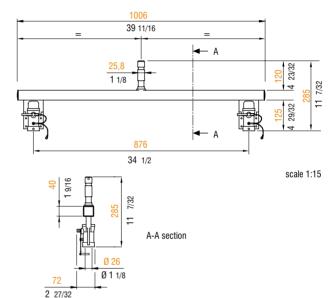
finish: grey powder coating with orange peel finish RAL 7016



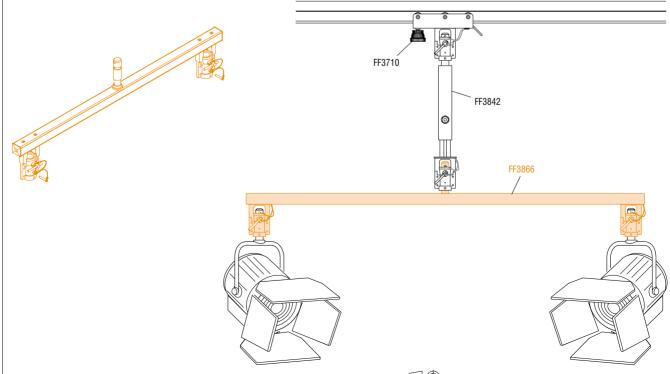








#### **APPLICATIONS**







#### Spigot mounting point 5/8"

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

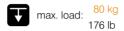




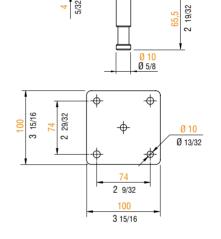






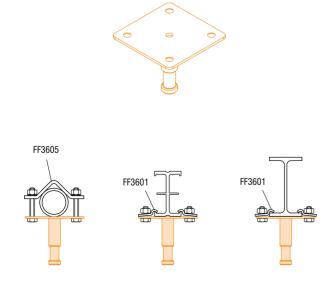


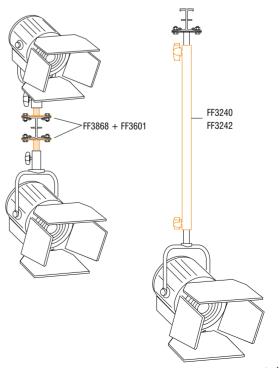




scale 1:4

#### **APPLICATIONS**





#### FF3867



工 50

**Ξ** 60

**E** 80

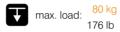
Spigot mounting point 1 1/8"

material main body: steel

Use clamps FF3601 for mounting onto IFF rails or FF3605 for

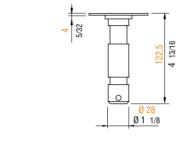
finish: grey powder coating with orange peel finish RAL 7016

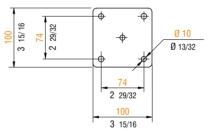
weight: 0,62 kg 1,366 lb volume: 0,0020 cu m 0,0706 cu ft



weight: 0,66 kg 1,455 lb

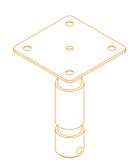


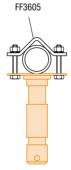


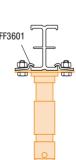


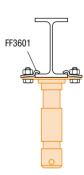
scale 1:5

#### **APPLICATIONS**









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# FF3869









#### Female mounting point 1 1/8"

material main body: aluminium part: steel

finish: grey powder coating with orange peel finish RAL 7016

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



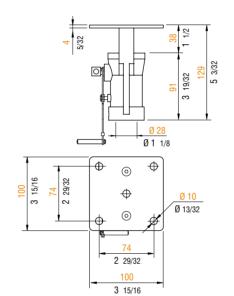
volume: 0,0020 cu m 0,0706 cu ft



max. load: 80 kg 176 lb

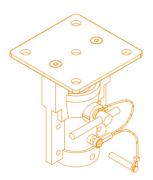


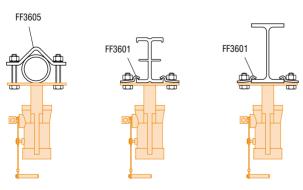


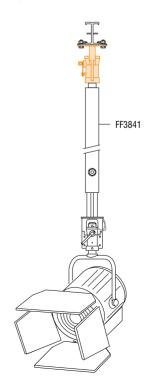


scale 1:5

#### **APPLICATIONS**









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**

RODUCT	CODE	DESCRIPTION	APPLICATION	DATAS		F	PAG
1	FF3240	Extension tube length 50cm - 13,11inches		0,426kg/0,939lb	0,0300m/1,0594ft	<b>3</b> 0,502kg/1,106lb	9.
	FF3242	Extension tube length 50cm - 13,11inches		0,784kg/1,728lb	0,0600m/2,1188ft	① 0,86kg/1,895lb	
1	FF3842	Telescopic drop-arm extension 43cm up to 65cm (17" to 25")		2,00kg/4,41lb	0,0040m/0,1412ft	② 2,70kg/5,95lb	9
1	FF3841	Telescopic drop-arm extension 73cm up to 123cm (28" to 48"	")	3,10kg/6,83lb	0,0060m/0,2119ft	3,80kg/8,37lb	g
8	FF3840	Telescopic drop-arm extension 113cm up to 200cm (44" to 78	B")	4,20kg/9,26lb	0,0080m/0,2825ft	3,00kg/11,02lb	ć
	FF3844Y25	Telescopic drop-arm extension 138cm up to 250cm (48" to 10	02")	5,90kg/13,00lb	0,0100m/0,3531ft	6,6kg/14,55lb	ç
	FF3844Y30	Telescopic drop-arm extension 163cm up to 300cm (68" to 12	22")	7,00kg/15,43lb	0,0120m/0,4238ft	37,70kg/16,87lb	ç
	FF3844Y35	Telescopic drop-arm extension 188cm up to 350cm (78" to 14	48")	7,70kg/16,98lb	0,0150m/0,5297ft	8,4kg/18,51lb	ç
	FF3844Y40	Telescopic drop-arm extension 213cm up to 400cm (88" to 10	62")	8,25kg/18,19lb	0,0160m/0,5650ft	8,89kg/19,57lb	ç
+	FF3842D	"D" Telescopic drop-arm extension 43cm up to 65cm (17" to	25")	2,19kg/4,82lb	0,0040m/0,1412ft	3,89kg/6,37lb	ę
	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	ç
1	FF3840D	"D" Telescopic drop-arm extension 113cm up to 200cm (44"	to 78")	4,39kg/9,68lb	0,0080m/0,2825ft	6 5,09kg/11,22lb	ç
	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	ç
	FF3844YD30	"D" Telescopic drop-arm extension 163cm up to 300cm (68"	to 122")	7,19kg/15,85lb	0,0120m/0,4238ft	37,89kg/17,39lb	ç
	FF3844YD35	"D" Telescopic drop-arm extension 188cm up to 350cm (78"	to 148")	7,89kg/17,39lb	3 0,0150m/0,5297ft	<b>8</b> ,59kg/19lb	ç
	FF3844YD40	"D" Telescopic drop-arm extension 213cm up to 400cm (88"	to 162")	8,44kg/18,6lb	0,0160m/0,5650ft	3,14kg/20,15lb	ę
1	FF3842ST	"ST" Telescopic drop-arm extension 43cm up to 65cm (17" to	25")	2,00kg/4,41lb	0,0040m/0,1412ft	3,89kg/6,37lb	ę
1	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	ć
e	FF3840ST	"ST" Telescopic drop-arm extension 113cm up to 200cm (44"	to 78")	4,20kg/9,26lb	0,0080m/0,2825ft	6 5,09kg/11,22lb	ę
	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	Ç
	FF3844YST30	"ST" Telescopic drop-arm extension 163cm up to 300cm (68	to 122")	7,00kg/15,43lb	0,0120m/0,4238ft	<b>8</b> ,59kg/19lb	ę
	FF3844YST35	"ST" Telescopic drop-arm extension 188cm up to 350cm (78'	to 148")	7,70kg/16,98lb	3 0,0150m/0,5297ft	7,89kg/17,39lb	ć
	FF3844YST40	"ST" Telescopic drop-arm extension 213cm up to 400cm (88"	to 162")	8,25kg/18,19lb	0,0160m/0,5650ft	39,14kg/20,15lb	ę
1	429-4,0	Telescopic operating pole length 4m - 13,11ft		2,6kg/5,73lb	0,08m/2,825ft	3,3kg/7,28lb	ę
	429-6,0	Telescopic operating pole length 6m - 19,68ft		2,9kg/6,39lb	0,105m/3,708ft	3,65kg/8,04lb	Ç
١,							



# **EXTENSION TUBE**

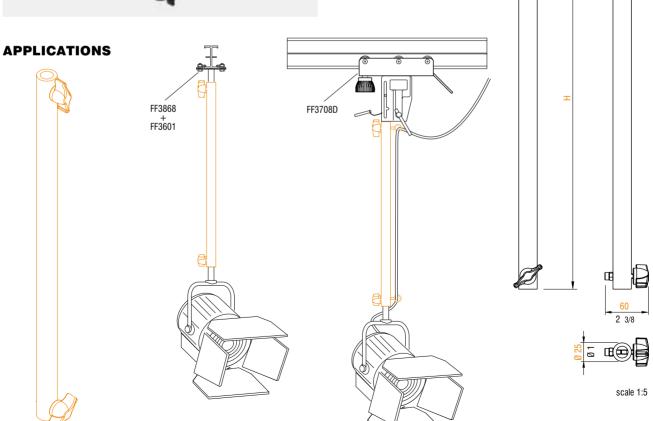
FF3240: length 50 cm - 13,11 inches FF3242: length 100 cm - 19,68 inches material: steel max. load: 40 kg 88 lb

finish: grey powder coating with orange peel finish RAL 7016

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







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.

9.30



#### **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")



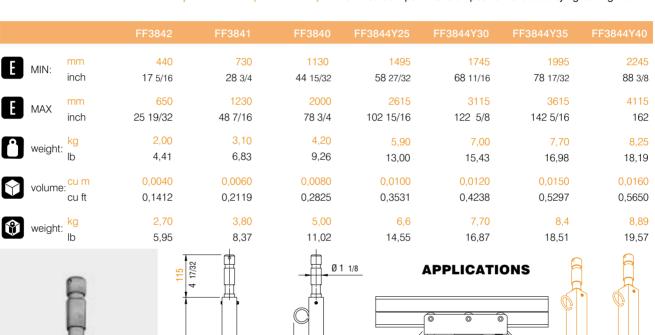


max. load: 40 kg

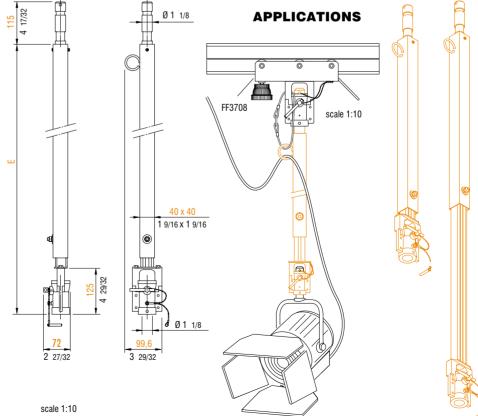


finish: grey powder coating with orange peel finish RAL 7016

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.









#### **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")





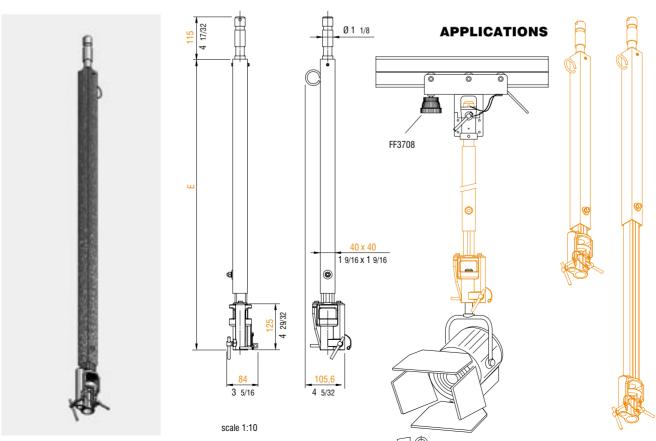
max. load:



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	FF3844D25	FF3844D30	FF3844D35	FF3844D40
<b></b>	mm	440	730	1130	1495	1745	1995	2245
MIN:	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
IVIAA	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
weight	. lb	4,82	7,25	9,68	13,42	15,85	17,39	18,6
volum	e: cu m	0,0040	0,0060	0,0080	0,0100	0,0120	0,0150	0,0160
Volum	cu ft	0,1412	0,2119	0,2825	0,3531	0,4238	0,5297	0,5650
weigh	kg	2,89	3,99	5,09	6,79	7,89	8,59	9,14
Weigit	lb	6,37	8,79	11,22	14,97	17,39	19	20,15





#### **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")

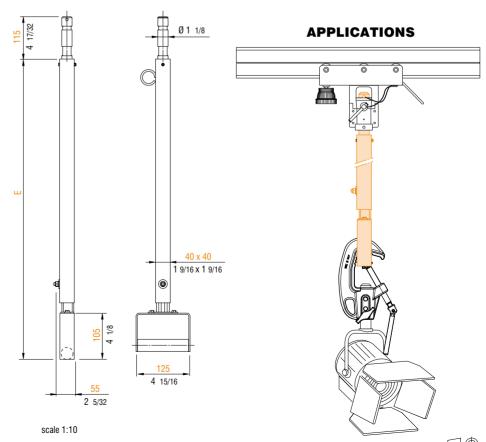




Extendable bracket with a 1 1/8" spigot on the top and a universal head (1-1/8"F + 5/8"F + 5/8" male) on the bottom; can be mounted on carriages or fixed clamps (eg art FF3865). Extension position is locked by tightening nut.

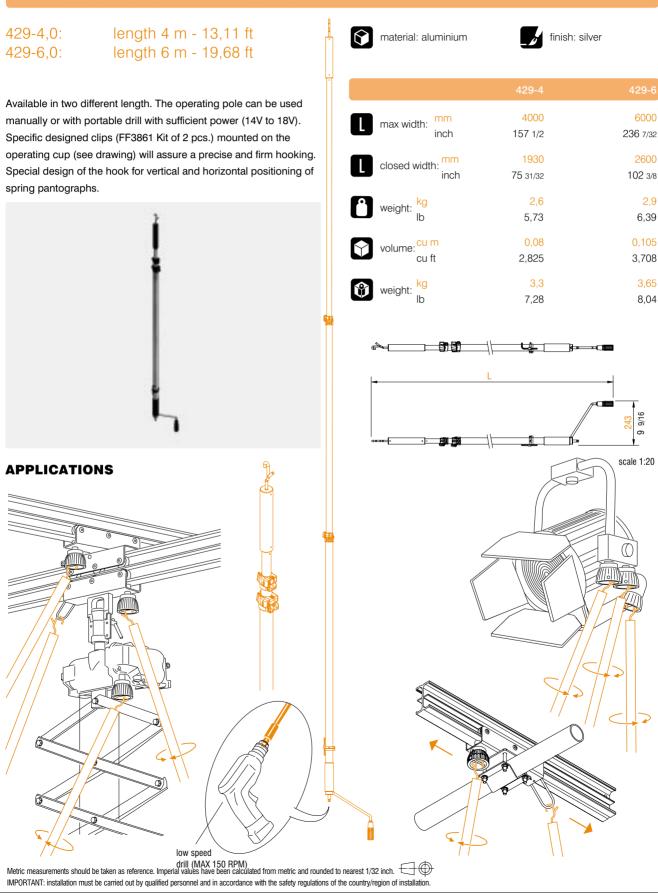
		FF3842ST	FF3841ST	FF3840ST	FF3844ST25	FF3844ST30	FF3844ST35	FF3844ST40
	mm	440	730	1130	1495	1745	1995	2245
MIN:	inch	17 5/16	28 3/4	44 15/32	58 27/32	68 11/16	78 17/32	88 3/8
F MAX	mm	650	1230	2000	2615	3115	3615	4115
MAX	inch	25 19/32	48 7/16	78 3/4	102 15/16	122 5/8	142 5/16	162
A waish	kg	2,00	3,10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







# **TELESCOPIC OPERATING POLE**





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



#### **QUICK SELECTION GUIDE**

PRODUCT	CODE	DESCRIPTION	APPLICATION	DATAS			PAGE
1	C210	Baby pipe clamp with 16mm stud	0	1 0,62kg/1,37lb	0,006m/0,221ft	<b>③</b> 0,7kg/1,54lb	11.30
\$	C100	Junior pipe clamp with 28mm socket	0	1,13kg/2,49lb	0,005m/0,177ft	1,18kg/2,601lb	11.40
	C350	Barrel clamp	0	1,00kg/2,20lb	0,0000m/0,000ft	<b>3</b> 000kg/000lb	11.50
発	C339	Grab clamp	T <sup>∞</sup> <sub>00</sub>	1,20kg/2,64lb	0,007m/0,274ft	1,2kg/2,64lb	11.60
登事	C339UH	Grab clamp with universal head	T <sup>∞</sup> <sub>00</sub>	1,95kg/4,30lb	0,009m/0,246ft	② 2,43kg/5,35lb	11.70
聖	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	<b>Σ</b> <sup>∞</sup> <b>Ξ</b> ∞ <b>Ι</b> ∞	1,65kg/3,63lb	0,006m/0,209ft	1,80kg/3,96lb	11.90
聖	C339BB	Grab clamp with 16mm bushing	<b>Γ</b> <sup>∞</sup> <b>Ξ</b> ∞ <b>I</b> ∞	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
0	FF3870	Safety steel cable Ø 2,5mm - length 70cm		0,08kg/0,176lb	0,0007m/0,0247ft	0,08kg/0,176lb	11.110
C	FF3871	Safety steel cable Ø 4mm - length 70cm		0,1kg/0,22lb	0,0007m/0,0247ft	0,1kg/0,22lb	11.110

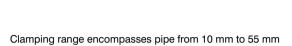
# C210

diameter.



# Baby pipe clamp with 16 mm stud

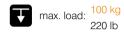
material: rugged gravity cast aluminium



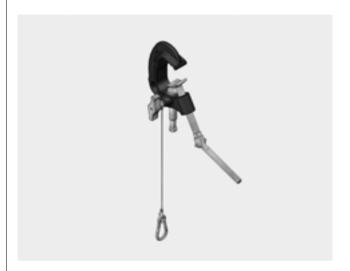
finish: black powder smooth RAL 9005

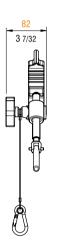


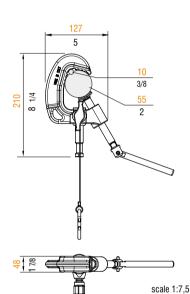
volume: 0,006 cu m 0,211 cu ft





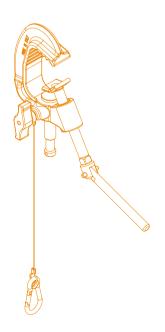


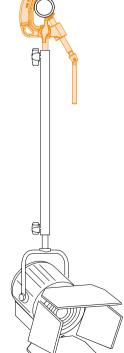




#### **APPLICATIONS**

11









# C100



#### Junior pipe clamp with 28 mm socket

material: rugged gravity cast aluminium

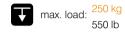


finish: black powder smooth RAL 9005

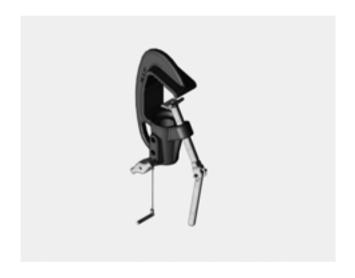
Clamping range encompasses pipe from 20 mm to 55 mm diameter.

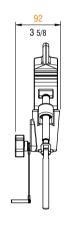


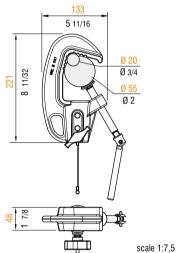
volume: 0,005 cu m 0,177 cu ft



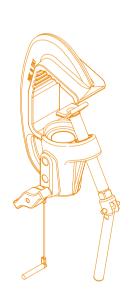


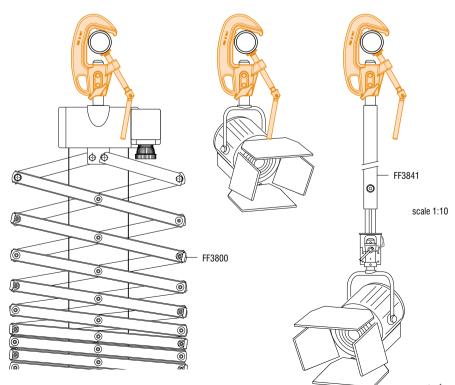






#### **APPLICATIONS**







#### C350

# $\bigcirc$

#### Barrel clamp

material: rugged gravity cast aluminium

Works on diameters from 48 mm to 50 mm 5/8" (16mm) and 1 1/8"(28mm) female attachments. finish: black powder smooth RAL 9005



volume: 0,004 cu m 0,141 cu ft

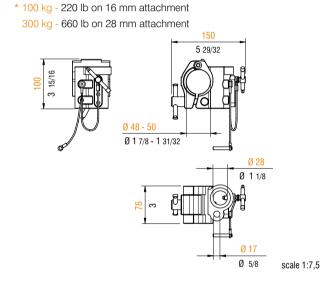


max. load: 100/300 kg\* 220/660 lb\*



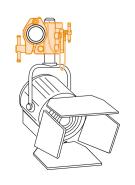
weight: 1,11 kg 0,245 lb

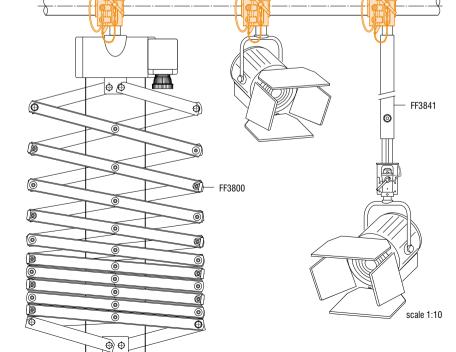












Metric measurements should be taken as reference. Imperial values have been calculated from metric and rounded to nearest 1/32 inch. IMPORTANT: installation must be carried out by qualified personnel and in accordance with the safety regulations of the country/region of installation.

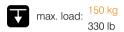
11



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

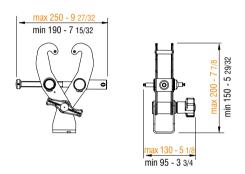






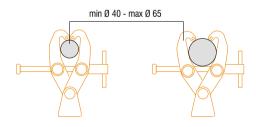


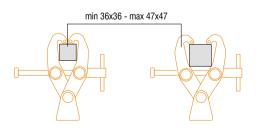


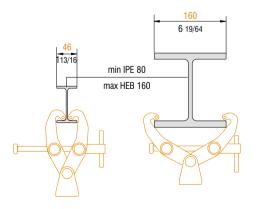


scale 1:7,5

#### **APPLICATIONS**







• •

Provided with 1 1/8" and 5/8" female and 5/8" male attachment.

# **C339UH**

Head not rotating.



**Ŧ** 60



#### Grab clamp with universal head



body: steel material: part: aluminium



body: tropicalized part: black powder smooth RAL 9005



weight:  $\frac{1,95 \text{ kg}}{4,30 \text{ lb}}$ 



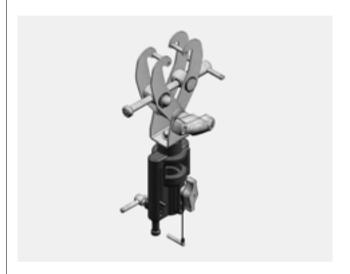


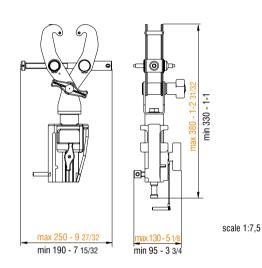


max. load: 75 kg 165 lb

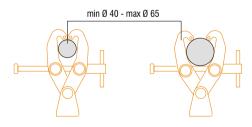


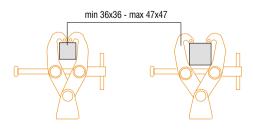
weight: 2,43 kg 5,35 lb

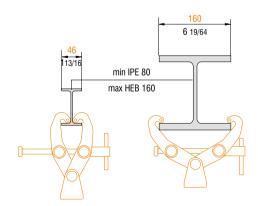




#### **APPLICATIONS**





















material: steel



finish: tropicalized



weight:  $\frac{1,40 \text{ kg}}{3,08 \text{ lb}}$ 



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



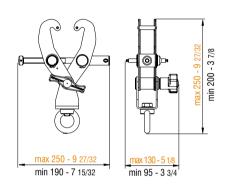
max. load: 150 kg 330 lb



weight: 1,70 kg 3,75 lb

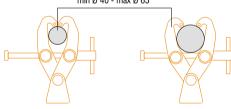


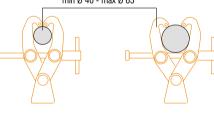
Complete with standard lifting eye for chain or rope fixture.

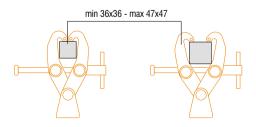


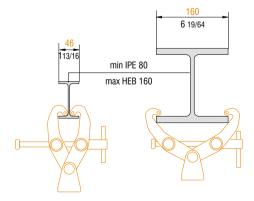
#### **APPLICATIONS**









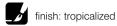


scale 1:7,5

#### C339SP **H**80 **Ŧ** 60

#### Grab clamp with spinning pulley

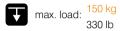
body: steel material: part: black nylon



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







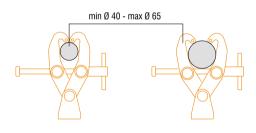


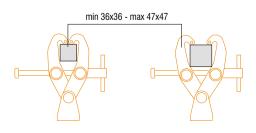


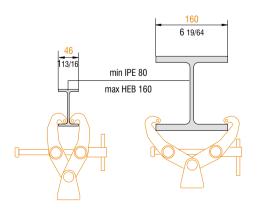


# max 250 - 9 27/32 min 190 - 7 15/32 min 290 - 11 13/32 min 95 - 3 3/4 scale 1:7,5

#### **APPLICATIONS**







**E** 80



#### Grab clamp with 16 mm bushing

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

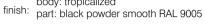


material: body : steel part: aluminium

**Ŧ** 60



body: tropicalized





weight: 1,35 kg 2,97 lb



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

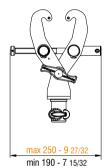


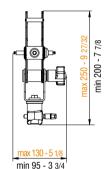
max. load: 50 kg 110 lb



weight: 1,73 kg 3,81 lb

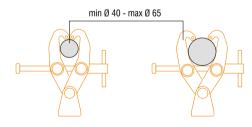


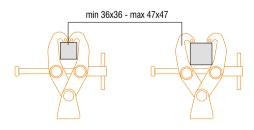


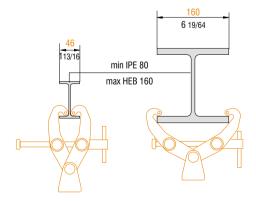


scale 1:7,5

#### **APPLICATIONS**







# **CLAMPS**

# **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

Used between luminaires and suspension for extra safety





		FF3276	FF3870	FF3871
diameter	<sub>r.</sub> mm	2	2,5	4
unamoto.	inch	5/64	2/32	5/32
width:	mm	350	700	700
	inch	14	27 1/2	27 1/2
A	kg	0,06	0,08	0,1
weight:	lb	0,132	0,176	0,22
max. loa	.d. kg	20	40	85
max. Ioa	ld: lb	44	88	187
volume:	cu m	0,0007	0,0007	0,0007
volurrie:	cu ft	0,0247	0,0247	0,0247
	kg	0,06	0,08	0,1
weight:	lb	0,132	0,176	0,22

#### **APPLICATIONS**

