



Strand Lighting

P R O D U C T D A T A

3.1.2

S U S P E N S I O N

SUPERRIG™

**Secondary Grid Components**

- 1 SR Rolling Pipe Kit
- 2 SR Rolling Track Kit
- 3 SR Rolling Rail Kit
- 4 SR Pole Operated Brake Kit

**Primary Grid Components**

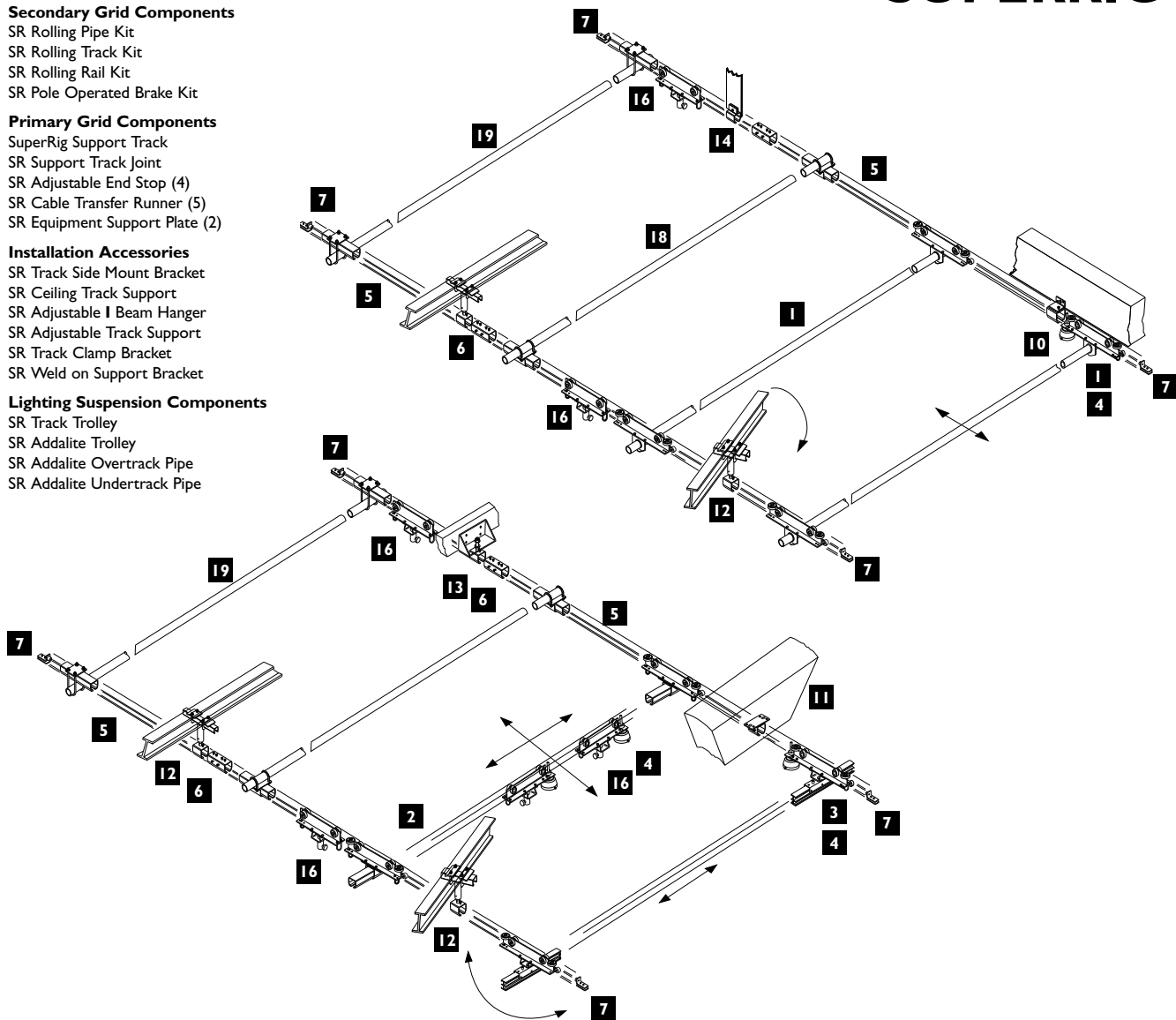
- 5 SuperRig Support Track
- 6 SR Support Track Joint
- 7 SR Adjustable End Stop (4)
- 8 SR Cable Transfer Runner (5)
- 9 SR Equipment Support Plate (2)

**Installation Accessories**

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- 11 SR Ceiling Track Support
- 12 SR Adjustable I Beam Hanger
- 13 SR Adjustable Track Support
- 14 SR Track Clamp Bracket
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**Lighting Suspension Components**

- 16 SR Track Trolley
- 17 SR Addalite Trolley
- 18 SR Addalite Overtrack Pipe
- 19 SR Addalite Undertrack Pipe



**The System**

SuperRig is a cost effective, flexible support system for studios from 4m or more in height providing full flexibility in horizontal adjustment of luminaire positions. Strand's comprehensive range of studio suspension equipment products can then be used to provide the vertical height adjustment - Pole Operated Pantographs, Spring Pantographs and Lightscoops in smaller studios through to Motorised Pantographs and Self Climbing Hoists in larger studios.

The two schematic drawings here show many of the components in a general layout of the system with various typical track mounting arrangements.

The system comprises:

- A fixed primary grid of robust, profiled steel track.
- An extensive range of installation accessories to suspend the fixed tracks from the studio structure.
- Secondary cross beams suspended from the primary grid by wheeled carriages, available in various forms; pipe (aluminium or steel), SuperRig track or extruded aluminium LightRig rail.
- A range of suspension components enabling luminaires and other equipment to be hung from and traversed along either fixed tracks or rolling cross beams.

Strand's SuperRig adds to the established flexibility of Strand's LightRig system by providing both heavy duty and light duty track and beam solutions for all lighting positioning requirements.

- Allows lights to be positioned anywhere in the studio
- Ideal suspension platform for single point and self climbing hoist systems
- Flexibility gives fast turn around times between productions
- Cross beams roll freely without jamming
- Compact closed height
- Economical, easily installed, low maintenance system
- Adaptable for installation in all studio structures
- Economical system with robust, quality built parts

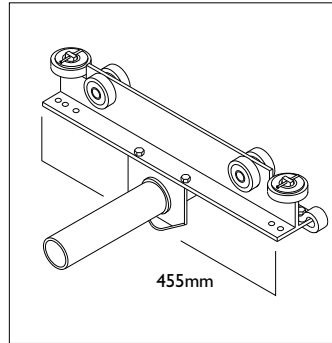
**Secondary Grid Components**

A variety of cross beam systems can be suspended from the fixed track; - Rolling Pipe - Rolling Track - Rolling Rail. Each is suspended from the fixed track by wheeled carriages, horizontal guide rollers resist jamming as the beam is traversed along the track. Rolling pipe and rolling track kits traverse at 90° to the fixed tracks, rolling rails are articulated to traverse at angles up to 15°. Pole operated brakes can be fitted to all carriages if required.

**1. SR Rolling Pipe Kit**

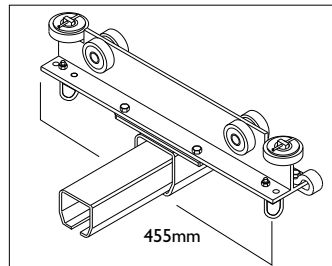
Cat. No.	Description
31001	SR Rolling Pipe (aluminium) Kit - 3m
31007	SR Rolling Pipe (steel) Kit 3m
31027	SR Rolling Pipe (aluminium) Kit -2.5m
31028	SR Rolling Pipe (steel) Kit -2.5m

All kits comprise of two unbraked track carriages with a 48mm Ø pipe in 2.5m or 3m lengths. Maximum 2880mm fixed track pitch on 3m kits supporting a uniformly distributed load of 100 kg. Maximum 2380mm pitch on 2.5m supporting 140 kg.



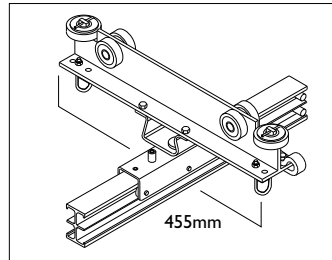
**2. SR Rolling Track Kit**

Cat. No.	Description
31008	SR Rolling Track Kit - 3m Comprises two unbraked track carriages with a 3m length of SuperRig track. Maximum 2880mm fixed track pitch. Supports uniformly distributed load of 140 kg.



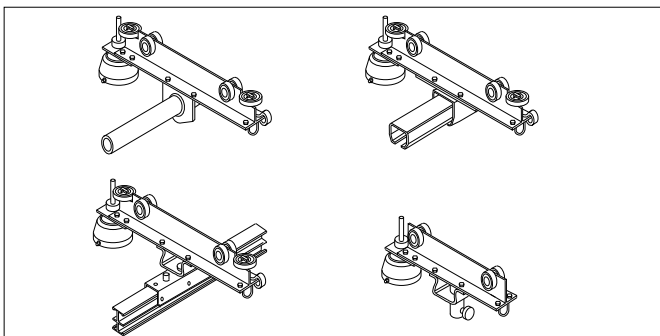
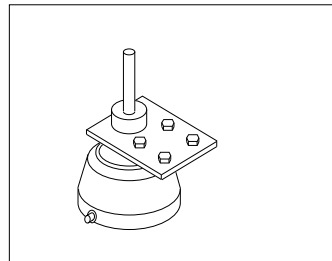
**3. SR Rolling Rail Kit**

Cat. No.	Description
31009	SR Rolling Rail Kit -3m Comprises two unbraked, articulated swivel track carriages with a 3m length of aluminium LightRig rail. Maximum 2380mm fixed track pitch supports uniformly distributed load 100 kg. Maximum rail overhang 20% of fixed track pitch.



**4. SR Pole Operated Brake Kit**

Cat. No.	Description
31010	SR Pole Operated Brake Kit. This assembly can be fitted to any of the track carriages to provide a traverse brake and towing point.

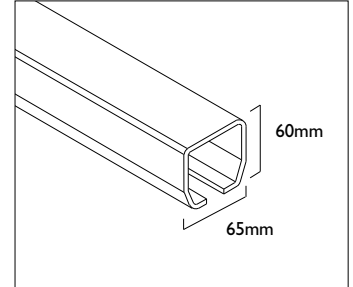


**Primary Grid Components**

Primary SuperRig tracks are based on profiled steel sections with zinc plate finish and are available in a number of standard lengths which can be shortened to suit specific site requirements. Individual lengths can be linked by using the support track joints. End stops are available to preventing carriage overtravel.

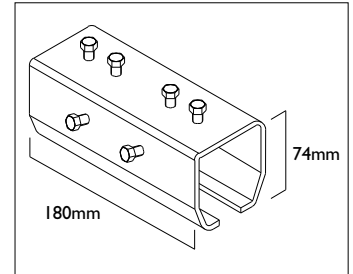
**5. SuperRig Support Track**

Cat. No.	Description
31002	2m Support Track
31003	3m Support Track
31004	4m Support Track
31005	5m Support Track
31006	6m Support Track



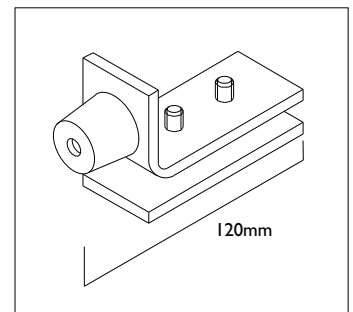
**6. Support Track Joint**

Cat. No.	Description
31012	Allows lengths of fixed support track to be linked together.



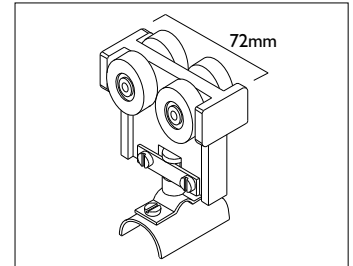
**7. SR Adjustable End Stop (4)**

Cat. No.	Description
31011	These clamp within the fixed tracks and prevent overtravel of track trolleys. Each kit includes four stops.



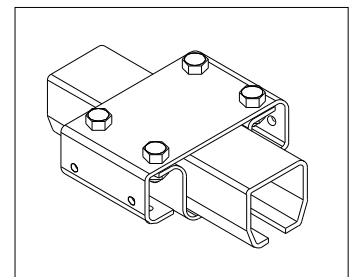
**8. SR Cable Transfer Runner (5)**

Cat. No.	Description
31029	These runners roll inside the SuperRig track as a catenary cable support. There are five runners in each kit. Suits flat cable (23 x 10mm) or round cable diameter (15mm). (not shown on main illustration)



**9. SR Equipment Support Plate (2)**

Cat. No.	Description
31030	The plates allow ancillary equipment to be supported from the fixed tracks by bolting through any of the eight mounting holes. Each kit includes two plate assemblies. (not shown on main illustration).

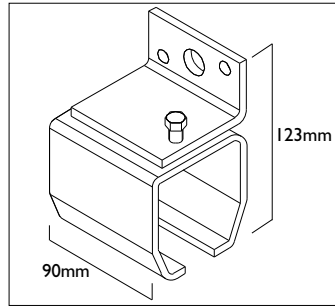


Installation Accessories

A comprehensive range of support brackets are available to suspend the fixed primary grid of SuperRig tracks from a suitable load bearing structure within the building. Supports must be positioned in accordance with the systems specified loading limits.

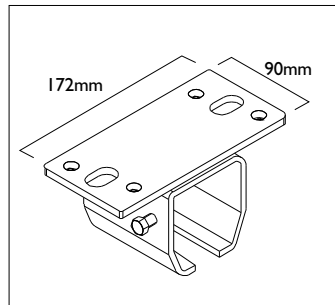
**10. Track Side Mount Bracket**

Cat. No.	Description
31013	The range of mounting holes in this support bracket allow the track to be fixed by one suitable M16 or two M10 fasteners directly to the side of an intermediate support structure.



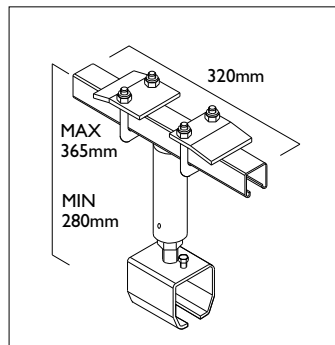
**11. SR Ceiling Track Support**

Cat. No.	Description
31014	This support bracket allows the track to be fixed directly to a suitable flat ceiling or to an intermediate support structure. The mounting holes accommodate four M10 or two M16 fasteners.



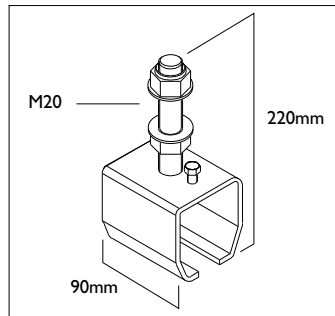
**12. Adjustable I Beam Hanger**

Cat. No.	Description
31015	This hanger arrangement allows the fixed tracks to be supported directly below an I beam (76mm up to 203mm flange width) and also provides vertical height adjustment for the track. The horizontal I beam can be orientated at any angle relative to the fixed track.



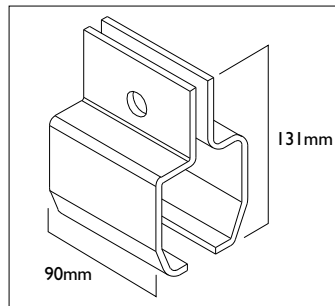
**13. SR Adjustable Track Support**

Cat. No.	Description
31016	The adjustable support allows the track to be supported from an appropriate overhead structure and provides 102mm of vertical height adjustment.



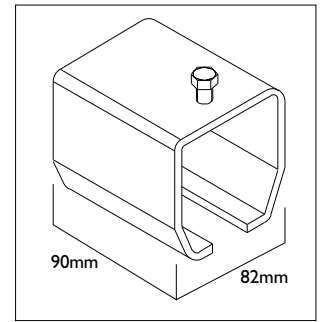
**14. SR Track Clamp Bracket**

Cat. No.	Description
31017	This split clamp bracket fits around the fixed tracks providing an alternative means of suspension for the tracks.



**15. SR Weld on Support Bracket**

Cat. No.	Description
31018	Special customised track suspensions can be fabricated using this bracket. Brackets are supplied unplated to allow for welding.  (not shown on main illustration)

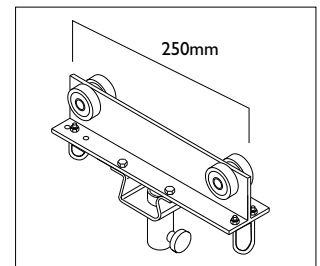


Lighting Suspension Components

A range of trolleys and clamps are available to hang luminaires or suspension equipment with 29mm or 28mm DIN spigots from the fixed tracks or rolling beams. For fixed lighting positions the Addalite overtrack and undertrack pipe kits are available. Trolleys and components from Strand's LightRig range can be used with the rolling rail arrangement, barrel trolleys and hook clamps with the rolling pipes. A suitable safety bond should always be used.

**16. SR Track Trolley**

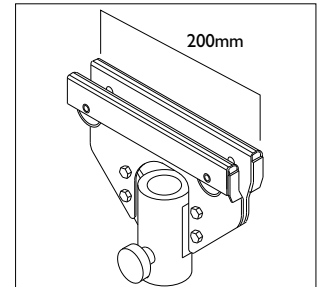
Cat. No.	Description
31019	With 29mm Socket
31020	With DIN Socket
	For use with the fixed or rolling tracks providing an unbraked trolley for luminaire mounting via a 29mm or 28mm DIN socket.



**17. SR Addalite Trolley**

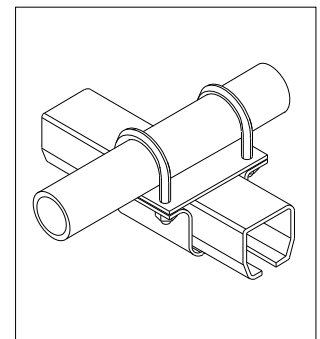
Cat. No.	Description
31021	With 29mm Socket
31022	With DIN Socket
	For completed installations luminaires with 29mm or 28mm DIN spigots can be added to the fixed or rolling tracks using the Addalite trolley.

(not shown on main illustration)



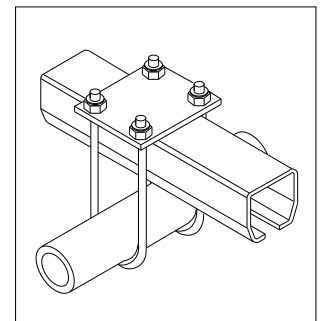
**18. SR Addalite Overtrack Pipe**

Cat. No.	Description
31023	With 3m Aluminium Pipe
31024	With 3m Steel Pipe
	Provides a fixed 48mm diameter pipe (steel or aluminium) for the suspension of additional luminaires without restricting track trolley travel. The pipe supports a uniformly distributed load of 100kg between parallel SuperRig support tracks spaced up to 2880mm apart.



**19. SR Addalite Undertrack Pipe**

Cat. No.	Description
31025	With 3m Aluminium Pipe
31026	With 3m Steel Pipe
	Provides a fixed 48mm diameter pipe (steel or aluminium) for the suspension of additional luminaires. The pipe supports a uniformly distributed load of 100kg between parallel SuperRig support tracks spaced up to 2880mm apart.



**System Loading Limits and Installation Requirements**

All support brackets, trolleys, rolling beams and other suspension components are clearly labelled with their associated safe working loads. These figures must never be exceeded. Individual component weights are printed in this Data Sheet. Further details of each component are provided on the instruction sheet supplied with each item.

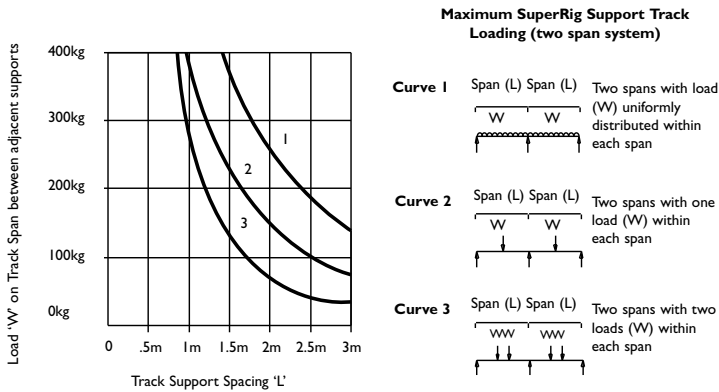
The versatility of the SuperRig system allows many loading permutations on the fixed tracks. The loading graph below shows typical examples for a uniformly distributed load, single point load per span and two point loads per span. Using this graph the maximum distance between track supports can be then be determined by following the appropriate loading curve and the system layout planned accordingly.

**Note:**

The centre of all track joints must be within 200mm of a support bracket, track lengths must be selected to suit.

The load bearing structure must be capable of supporting the entire system weight with maximum loads applied and distributed in line with the systems specified layout.

It is recommended that the maximum loading information on which the system is based is clearly displayed within the studio.



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**Ordering Information**

Cat.No.	Secondary Grid Components	Weight	SWL
31001	SR Rolling Pipe Aluminium Kit - 3m	10.8kg	100kg
31027	SR Rolling Pipe Aluminium Kit - 2.5m	10.0kg	140kg
31007	SR Rolling Pipe Steel Kit - 3m	18.7kg	100kg
31028	SR Rolling Pipe Steel Kit - 2.5m	16.5kg	140kg
31008	SR Rolling Track Kit - 3m	24.2kg	140kg
31009	SR Rolling Rail Kit - 3m	11.9kg	100kg
31010	SR Pole Operated Brake Kit	1.9kg	-

Cat.No.	Primary Grid Components	Weight	SWL
31002	SR Support Track - 2m	12.2kg	-
31003	SR Support Track - 3m	18.3kg	-
31004	SR Support Track - 4m	24.4kg	-
31005	SR Support Track - 5m	30.5kg	-
31006	SR Support Track - 6m	36.6kg	-
31012	SR Support Track Joint	2.1kg	-
31011	SR Adjustable End Stop (4)	2.5kg	-
31029	SR Cable Transfer Runner (5)	1.0kg	-
31030	SR Equipment Support Plate (2)	5.2kg	25kg

Cat. No.	Installation Accessories	Weight	SWL
31013	SR Track Side Mount Bracket	1.4kg	400kg
31014	SR Ceiling Track Support	1.6kg	400kg
31015	SR Adjustable I Beam Hanger	3.3kg	400kg
31016	SR Adjustable Track Support	1.5kg	400kg
31017	SR Track Clamp Bracket	1.5kg	400kg
31018	SR Weld on Support Bracket	1.1kg	400kg

Cat.No.	Suspension Components	Weight	SWL
31019	SR Track Trolley, 29mm Socket	2.8kg	70kg
31020	SR Track Trolley, 28mm DIN Socket	2.9kg	70kg
31021	SR Addalite Trolley, 29mm Socket	2.8kg	60kg
31022	SR Addalite Trolley, 28mm DIN Socket	2.9kg	60kg
31023	SR Addalite Overtrack Aluminium Pipe	9.2kg	100kg
31024	SR Addalite Overtrack Steel Pipe	17.1kg	100kg
31025	SR Addalite Undertrack Aluminium Pipe	8.8kg	100kg
31026	SR Addalite Undertrack Steel Pipe	16.7kg	100kg

Cat.No.	System Accessories	Weight	SWL
38001	Brake Barrel Trolley, 29mm Socket	2.5kg	75kg
38003	Brake Barrel Trolley, 28mm DIN Socket	2.9kg	75kg
38010	Spigot Anti Rotation Pin, 28mm DIN	-	-
82012	Luminaire Hook Clamp with 29mm Socket	1.1kg	50kg
82003	Safety Bond - 75kg	-	75kg
82002	Luminaire Safety Bond - 50kg	-	50kg
82001	Luminaire Safety Bond - 25kg	-	25kg
82140	Adjustable Operating Pole 1.4m to 4.0m	-	-
82115	Cranked Operating Pole - 1.5m	-	-
82125	Cranked Operating Pole - 2.5m	-	-
82135	Cranked Operating Pole - 3.5m	-	-
82145	Cranked Operating Pole - 4.5m	-	-

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