

Surface raceway and lighting systems

Material

Superstrut electrical raceway, fixture hanging channel, closure strip and accessories are manufactured from hot-rolled strip steel. Standard finish for the accessories is GoldGalv®.

Design data

Deflections at various hanger rod spacings for raceway channels based on 40 to 45 lb per fixture.

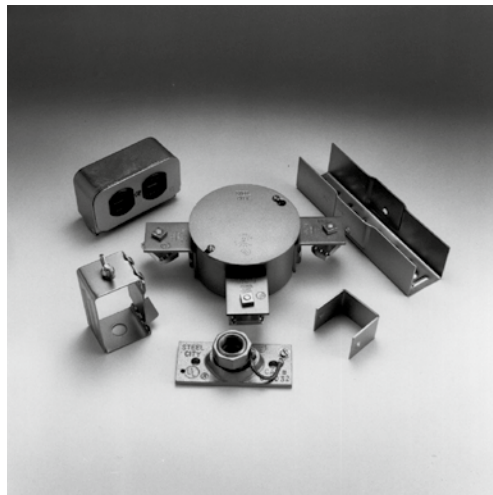
Deflection			
Channel	at 10 ft. (in.)	at 12 ft. (in.)	at 14 ft. (in.)
A1200	¼	½	¾
C1200	⅜	¾	*
A1400	⅜	¾	*

Deflection			
Channel	at 6 ft. (in.)	at 7 ft. (in.)	at 9 ft. (in.)
B1200	⅜	⅝	⅞
B1400	1	½	*

*Not recommended for this spacing.

Electrical raceway

Superstrut channel together with snap-in closure strip is listed by Underwriters Laboratories as a surface metal raceway. Other accessories listed by Underwriters Laboratories are identified on the drawings.



Maximum number of wires

Wire size AWG	Raceway							
	With or without KO							
	A1200 A1400		B1200 B1400		C1200		E1200 H1200	
	A	B	A	B	A	B	A	B
14	6	10	4	6	5	10	6	10
12	6	10	3	6	4	10	6	10
10	5	8			4	6	5	8
8	4	6			3	4	4	6
6	2	3			2	2	2	3

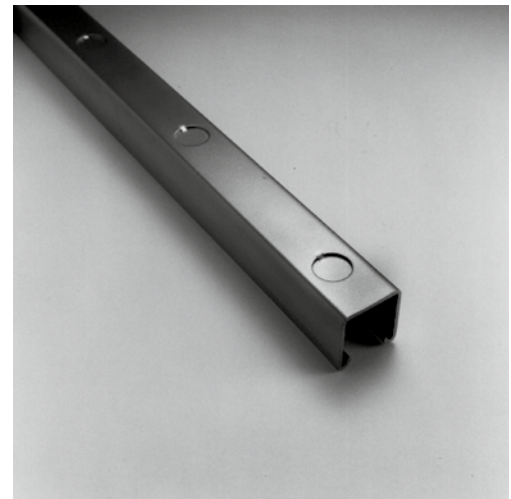
Column A: Suitable for number of wires indicated when used as a raceway. Also suitable for number of wires indicated when installed to support and supply electrical fixtures when raceway wiring is suitable for not less than 75 °C.

By providing clearance between fixture and raceway of not less than ½ in., where suitable for 60°C may be used.

Column B: Suitable for number of wires indicated when used as a raceway. Also suitable for number of wires indicated when installed to support electrical fixtures when clearance of not less than ¼ in. is provided between raceway and fixture and when wiring is suitable for 75 °C.

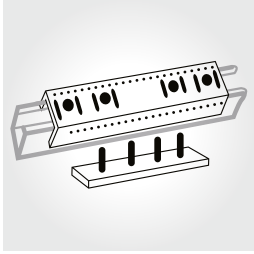
Applicable channels

A1200	B1200
A1200-KO	B1400
A1400	C1200
A1400-KO	E1200
	H1200

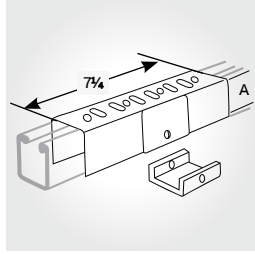


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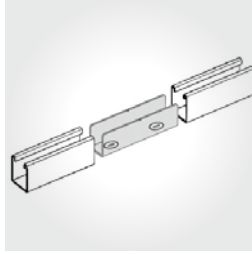
Fixture fittings



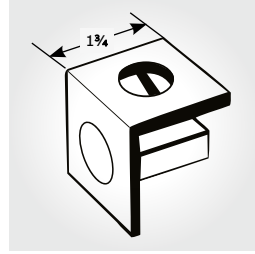
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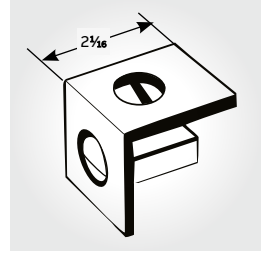
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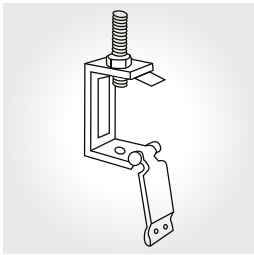
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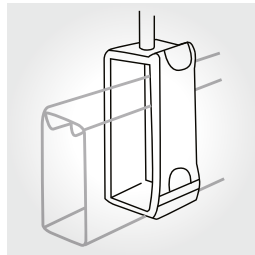
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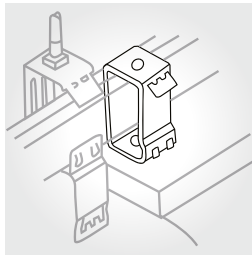
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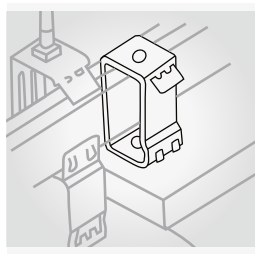
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01 802 Raceway joiner with reinforcing plate

Furnished complete with nuts.

Cat. no.	For channel	Wt./C lb
A802EG	A series	158
B802EG	B series	112
E802EG	E series	170
H802	H series	182

02 822 Raceway joiner and seal

Furnished complete with 3/4 in. x 5/8 in. machine screws and AB100-1/4 nuts.

Cat. no.	A (in.)	For channel	Wt./C lb
A822	1 1/16	A series	75
B822	7/8	B series	56

03 A213 Inside joiner

For A1200 series channel. Only available in GoldGalv® finish.

04 805 End cap with knockout KO for 1/2 in. conduit. Furnished complete with 3/4 in. x 5/8 in. flat head machine screw and AB100-1/4 nut.

Cat. no.	For channel	Wt./C lb
A805EG	A series	21
H805EG	H series	31

All dimensions shown are in in.

05 809 Tapped end cap

12 ga. steel. For 3/4 in. or 1 in. conduit. Furnished complete with 3/4 in. x 5/8 in. flat head machine screw and AB100-1/4 nut.

Rod size	For channel	Wt./C lb
A809-3/4EG	A series	2
E809-3/4EG	E series	26

06 A853 Channel hanger

Use hanger rod 5/8 in. or 1/2 in. Use with A, AR, B, BR or C series single channel. Wt./C 25 lb

07 A853L Channel hanger – long

Long type for all series channel. Wt./C 48 lb

08 A854 Channel hanger

Illustration showing A854 with nut and bolt furnished to attach to fluorescent fixture. Use with A, B, C or D series channel. Wt./C 34 lb

09 A854L Channel hanger – long

Illustration showing A854L with nut and bolt furnished to attach to fluorescent fixture. Use with E and H series channel as well as A, B, C or D series channel. Wt./C 51 lb

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Fixture fittings

Pre-galvanized steel closure strip

AB844PGC

AB844PGCWH White epoxy powder coated

Plastic closure strip

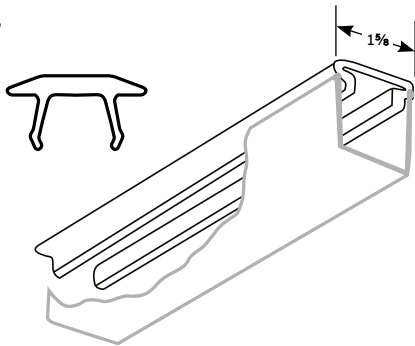
AB844PC

Color: Gold

AB844PCGY

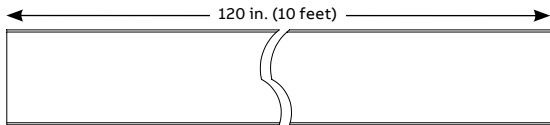
Color: Grey

- When used as a raceway, channel is normally installed with the slot up. After wiring has been completed the closure strip is installed.
- For all channels.
- Standard length: 10 ft.

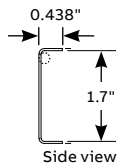


Stainless steel closure strip

AB844SS6CS

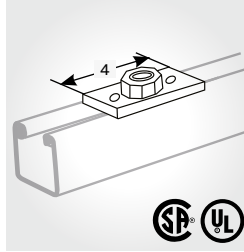


Front view

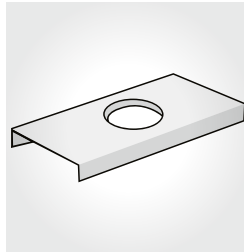


Side view

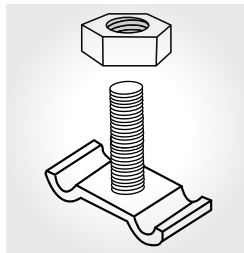
Note: Strapping not included.



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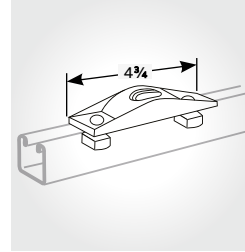


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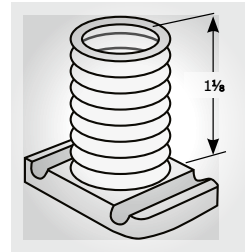
01 AB803 Cast conduit connector
To connect 1/2 in. or 3/4 in. conduit to raceway channel. Furnished complete with stud nuts and hex nuts. Part has removable bushing to increase size from 1/2 in. to 3/4 in. Wt./C 60 lb

02 AB815 Swing connector
Nuts and bolts to clamp to channel is included. For 1/2 in. or 3/4 in. conduit. Wt./C 95 lb

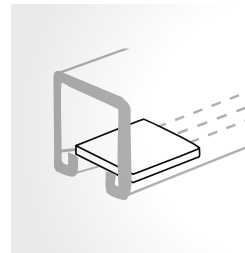
03 AB885 15° Swivel
Nuts and bolts to clamp to channel included. For 1/2 in. or 3/4 in. conduit. Wt./C 25 lb



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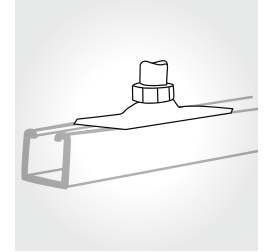
04 AB867 Spacer
For use with AB866 wiring stud nuts. Wt./C 24 lb

05 AB866 Wiring stud nut
1/2 in. pipe thread Wt./C 21 lb

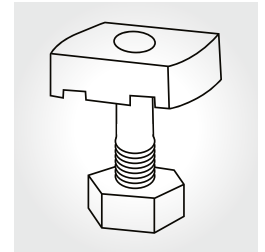
06 811 Stud nut

For Wt./C		
Cat. no.	channel	lb
811-1STR	1/4 x 1	8
811-2STR	1/4 x 1 1/4	9

All dimensions shown are in.



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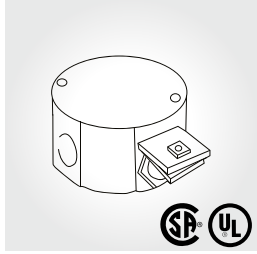
07 812 Stud nut
For attaching fixture to slot-down channel or to slot-up knockouts. Specify length. Hex nut included.

For Wt./C		
Cat. no.	channel	lb
812-1EG	1/4 x 1	6

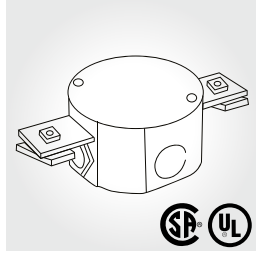
08 AB868 Fiber retainer for cables
Until closure strip is installed Std. pack 100 Wt./C 3 lb

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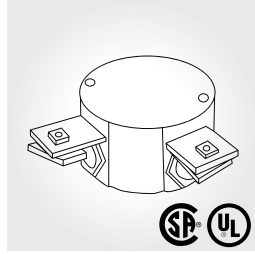
Kindorf® channel boxes and receptacles



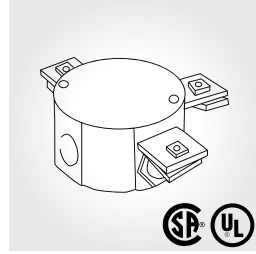
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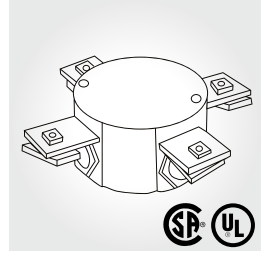
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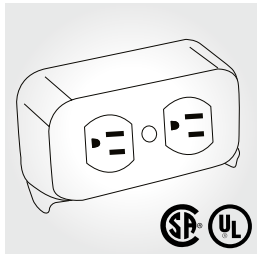
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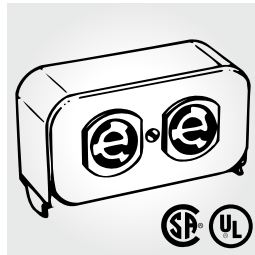
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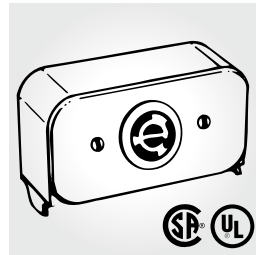
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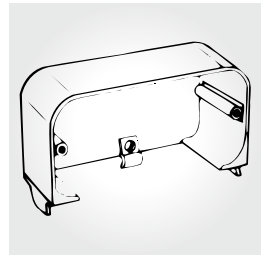
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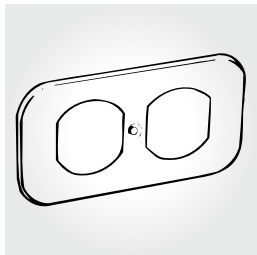
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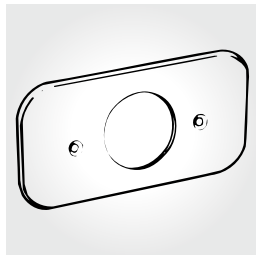
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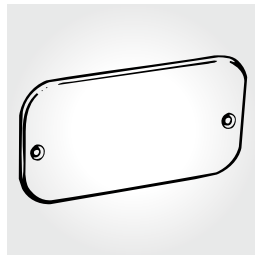
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13

01 **G2000**
Finish – GoldGalv®
Wt./C 110 lb

02 **G2001**
Finish – GoldGalv®
Wt./C 120 lb

03 **G2002**
Finish – GoldGalv®
Wt./C 120 lb

04 **G2003**
Finish – GoldGalv®
Wt./C 130 lb

05 **G2004**
Finish – GoldGalv®
Wt./C 140 lb

06 **G1038 Duplex outlet**
Complete unit including housing, standard duplex 3-wire, 15 amp., 125 volt, ground receptacle and cover plate.

Finish – GoldGalv®
Wt./C 55 lb

07 **G1038A Single outlet**
Complete unit including housing, standard single 3-wire, 15 amp., 125 volt, ground receptacle and cover plate.

Finish – GoldGalv®
Wt./C 50 lb

08 **G1038D Raceway outlet**
Complete unit including housing, duplex, 3-wire, 15 amp., 277 volt-twistlock receptacle and cover plate.

Finish – GoldGalv®
Wt./C 60 lb

09 **G1038E Raceway outlet**
Complete unit including housing, single, 3-wire, 15 amp., 277 volt-twistlock receptacle and cover plate.

Finish – GoldGalv®
Wt./C 50 lb

10 **G1038B Housing only**
Finish – GoldGalv®
Wt./C 25 lb

11 **G1038C Duplex cover plate**
Finish – GoldGalv®
Wt./C 12 lb

12 **G1038CA Single cover plate**
Size of opening: 1.391 in. diameter
Finish – GoldGalv®
Wt./C 14 lb

13 **G1038CX Blank cover plate**
Finish – GoldGalv®
Wt./C 15 lb

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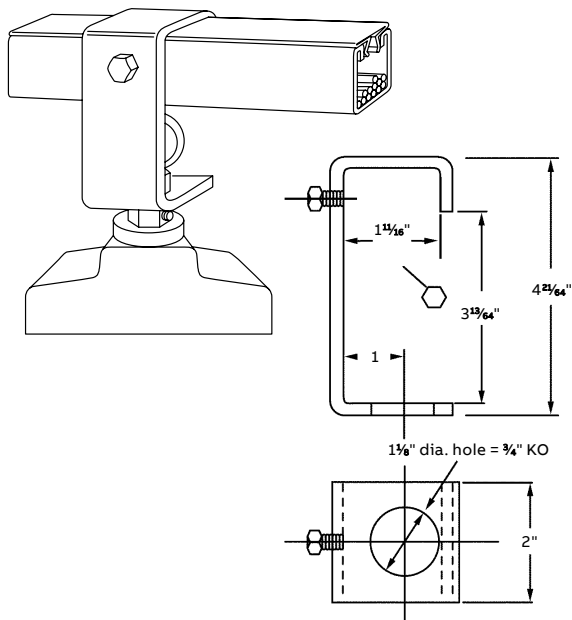
Kindorf® fixture accessories

G1017 Mercury vapor hanger

Used with channel	Depth (in.)	Wt./C lb
A-1200	4 1/4	76

Finish – GoldGalv®
 To support high or low bay mercury vapor or heavy incandescent fixtures from raceway channels. Permits plug-in connections with G-1038 raceway outlets

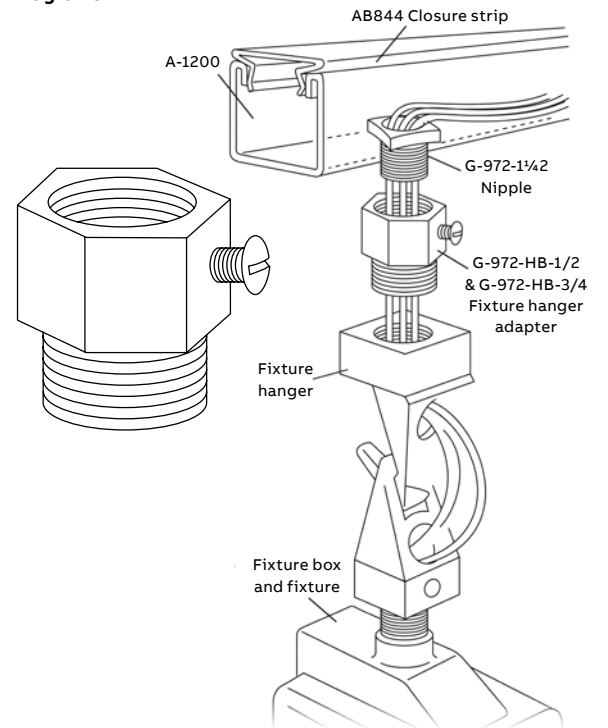
Diagrams



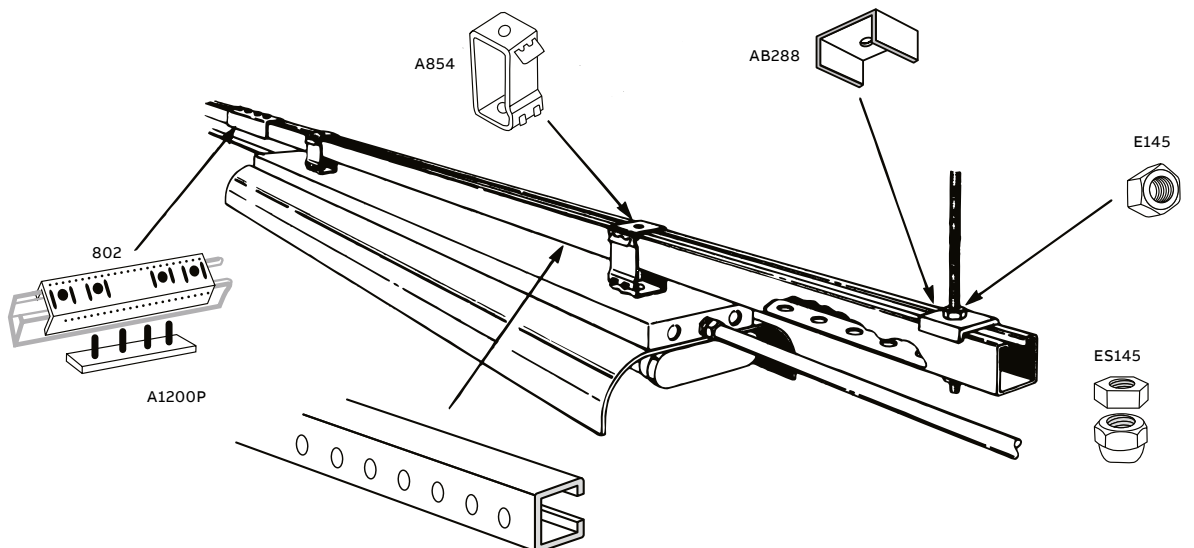
G972HB1/2 Steel fixture hanger adapter

Finish – GoldGalv®
 The hanger adapter securely mounts the fixture hanger or box to the channel through the 1/2 in. KO in the base. No special tools are needed for installation of fittings and fixtures.
 Superstrut channels, with 1/2 in. KO's every 6 in., hangs and feeds the fixtures, thereby simplifying installation.
 Wt./C 17 lb

Diagrams



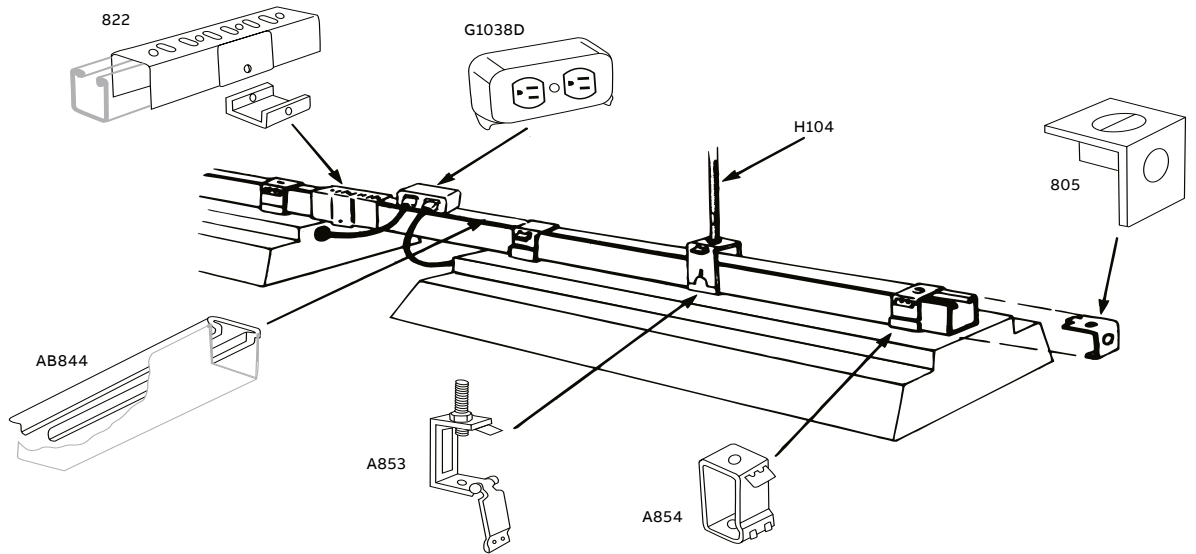
Electrical applications



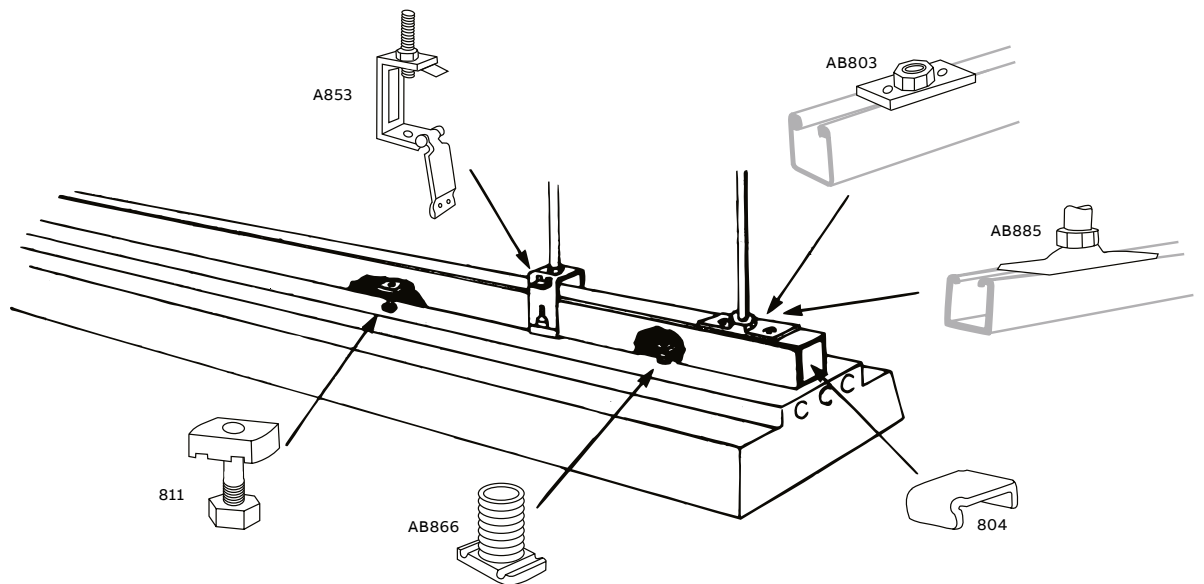
Surface raceway and lighting systems

Electrical applications

Electrical applications



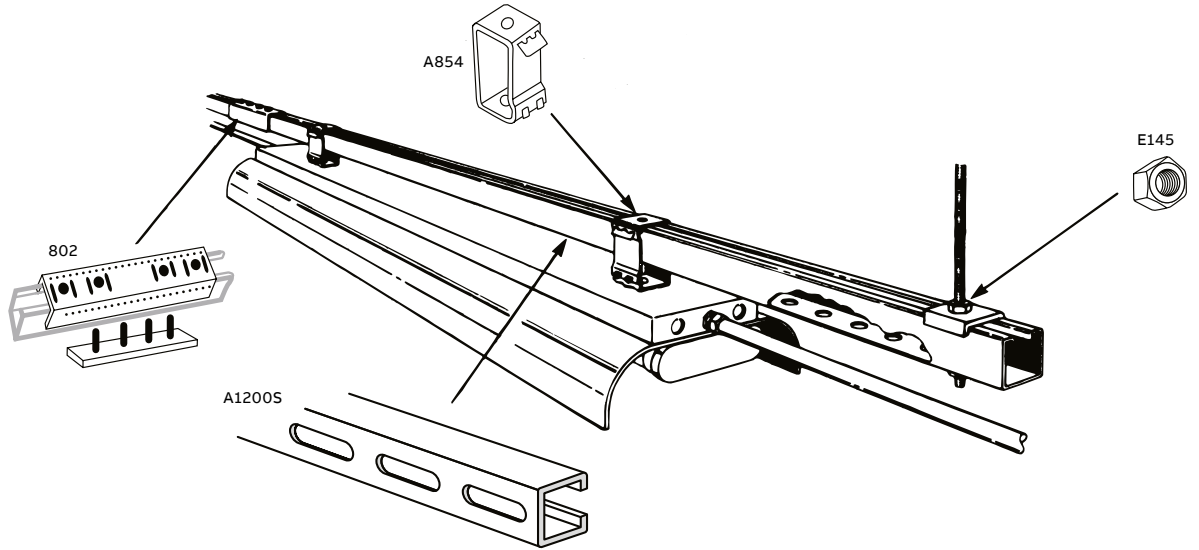
Electrical applications



Surface raceway and lighting systems

Electrical applications

Electrical applications



Electrical applications

