

CABLE RUNWAY

99 STRAIGHT SECTIONS

100 FITTINGS, SPLICES & CONNECTORS

102 ACCESSORIES

103 FASTENERS



Cable Runway is available in two styles, tubular side rails that are lightweight yet strong and solid-bar side rails that offer maximum support strength. Both styles utilize rungs made of tubular steel.

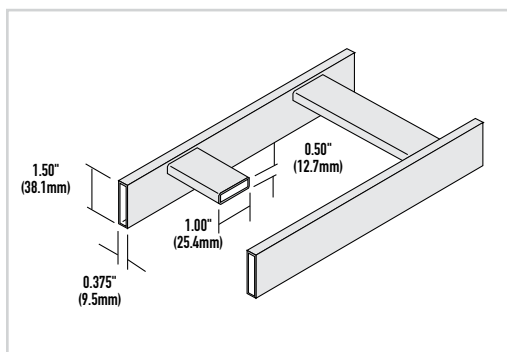
Cable runway is commonly used in telecommunications and voice and data applications. Specific application examples include, computer data centers, server farms, 911 call centers, network control centers, telephone/wireless communication centers, and phone/data closets in commercial office buildings.

Available finishes include Yellow-zinc dichromate that is ideally used where the runway needs to be UL Classified for use as an equipment ground conductor. Powder-coated finishes are available in a range of standard colors with an infinite variety of special colors.

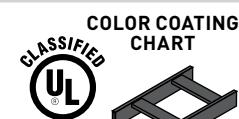
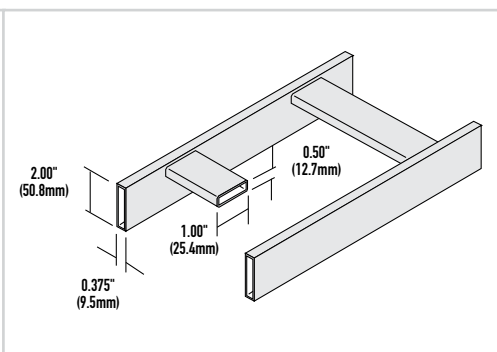
- Available in 6" to 24" widths
- Available in Solid and Tubular side rail designs
- All rails are 10' in length

CABLE RUNWAY DESIGN OPTIONS – TUBULAR SIDE RAILS

1½" SIDE RAIL

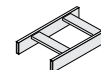


2" SIDE RAIL



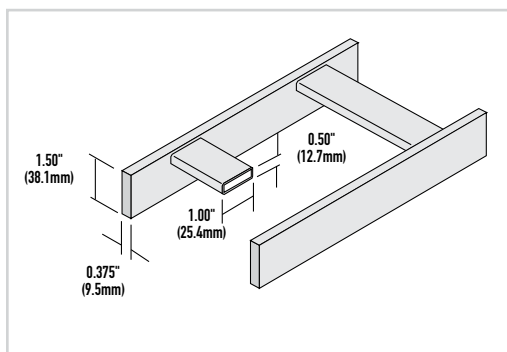
Standard: Black(BK)

Options:

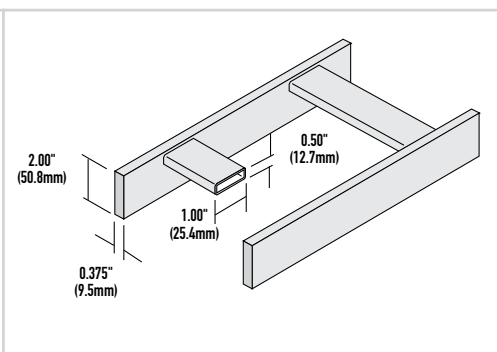

Yellow Zinc
Dichromate (YZ)

Light Gray
(GY)

CABLE RUNWAY DESIGN OPTIONS – SOLID SIDE RAILS

1½" SIDE RAIL



2" SIDE RAIL



TYPE	PRODUCT NUMBER	RAIL HEIGHT*	SUPPORT SPAN (FT.) SAFE LOAD (LBS./FT.) / DEFLECTION (IN.)									
			4		5		6		7		8	
TUBULAR	8104	1½	248	0.41	159	0.63	110	1.19	81	1.24	62	1.62
	8204	2	300*	0.29	274	0.65	190	0.93	140	1.27	107	1.66
SOLID	8106	1½	300*	0.26	300*	0.62	251	1.08	184	1.47	141	1.92
	8206	2	300*	0.11	300*	0.26	300*	0.54	246	0.82	188	1.07

* 1½ rail height is standard; 2" is available by special order only.

SAFE LOAD: Allowable uniformly distributed load based on simple beam type supports with a safety factor of 1.5. Safe load data is based on the performance of the cable runway side rails. An asterisk (*) denotes rung limitation.

DEFLECTION: Side rail deflection measured at the midspan of the runway, based on simple beam type supports and uniformly distributed loads. When trays are erected in a continuous system, the midspan deflection decreases by as much as 40%.

MATERIAL: Rectangular Steel Tube per ASTM-A513 and Rectangular Steel Solid Bar per ASTM-A36.

CONSTRUCTION: Rungs are attached to side rails by arc welding.

RAIL HEIGHTS (H) INCHES

1.5 | 2

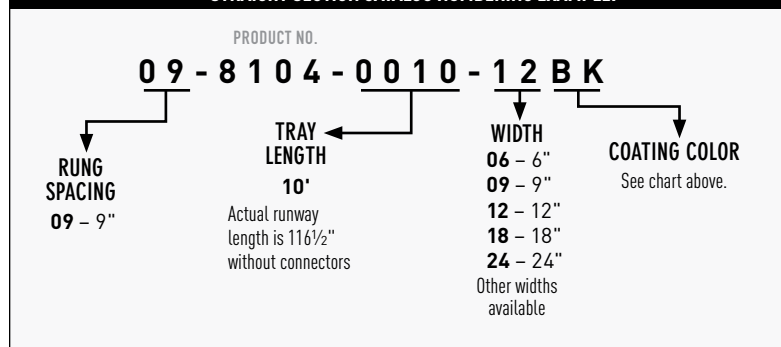
WIDTH (W) INCHES

6 | 9 | 12 | 18 | 24

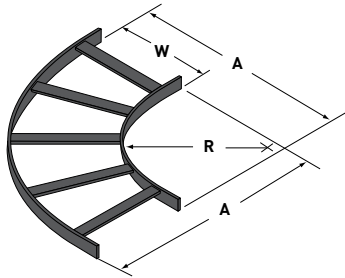
LENGTH (L) FEET

10

STRAIGHT SECTION CATALOG NUMBERING EXAMPLE:

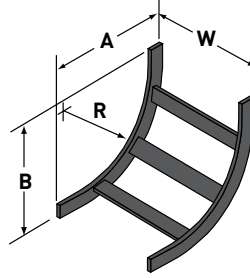


90° HORIZONTAL ELBOW



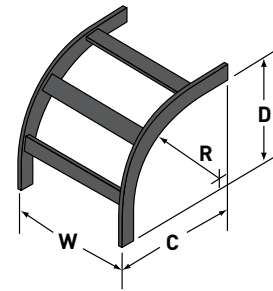
CATALOG NUMBER RADIUS	W	A
9012 12	4	19
	6	21
	9	24
	12	27
	18	33
	24	39

90° VERTICAL INSIDE ELBOW



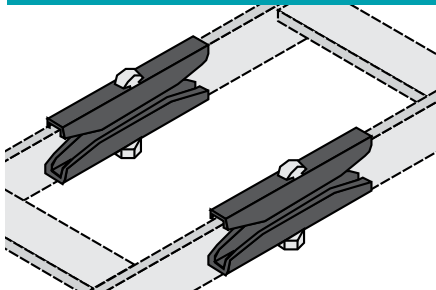
CATALOG NUMBER RADIUS	W	SIDE RAIL HEIGHT			
		1½		2	
		A	B	A	B
9112 12	4	16½	16½	17	17
	6	16½	16½	17	17
	9	16½	16½	17	17
	12	16½	16½	17	17
	18	16½	16½	17	17
	24	16½	16½	17	17

90° VERTICAL OUTSIDE ELBOW



CATALOG NUMBER RADIUS	W	SIDE RAIL HEIGHT			
		1½		2	
		C	D	C	D
9212 12	4	16½	15	17	15
	6	16½	15	17	15
	9	16½	15	17	15
	12	16½	15	17	15
	18	16½	15	17	15
	24	16½	15	17	15

SPLICE

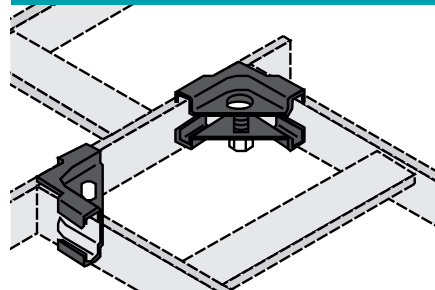


Connects runway sections. Sold in pairs as a separate line item.



PRODUCT NUMBER	FASTENERS INCLUDED
1302	ZN
CATALOG NUMBERING EXAMPLE: System No. Fasteners Coating 1 R - 1302 - ZN - BK	

90° HORIZONTAL CONNECTOR

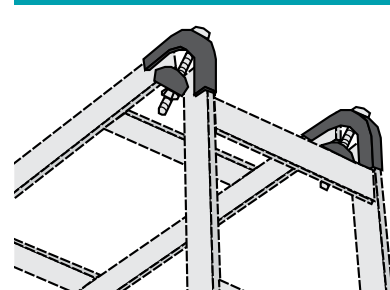


Joins runway sections at a 90-degree horizontal angle. Sold in pairs.



PRODUCT NUMBER	FASTENERS INCLUDED
1320	ZN
CATALOG NUMBERING EXAMPLE: System No. Fasteners Coating 1 R - 1320 - ZN - BK	

90° VERTICAL CONNECTOR



Joins runway sections at a 90-degree vertical angle. Sold in pairs.



PRODUCT NUMBER	FASTENERS INCLUDED
1331-90	ZN
CATALOG NUMBERING EXAMPLE: System No. Fasteners Coating 1 R - 1331 - 90 - ZN - BK	

HORIZONTAL ELBOW CATALOG NUMBERING EXAMPLE:

SYSTEM NO. PRODUCT NO.
09-8104-9012-24 BK

↓
RUNG SPACING
09 - 9"

↓
WIDTH
06 - 6"
09 - 9"
12 - 12"
18 - 18"
24 - 24"

↓
COATING COLOR



Standard: Black(BK)

Options:
Yellow Zinc Dichromate (YZ) Light Gray (GY)

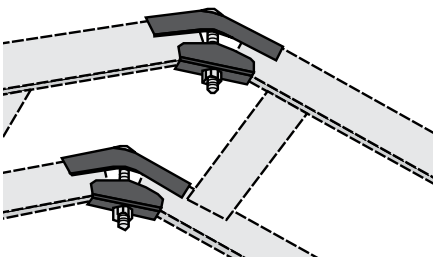
WIDTHS (W) INCHES

6 | 9 | 12 | 18 | 24

RUNWAY PREFIX OPTIONS

R	ALL SIZES
1R	1½" SIDERAIL (8104, 8106)
2R	2" SIDERAIL (8204, 8206)

45° VERTICAL CONNECTOR

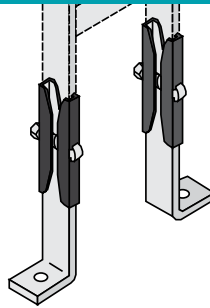


Joins runway sections at a 45° vertical angle. Sold in pairs.



PRODUCT NUMBER	FASTENERS INCLUDED
1331-45	ZN
CATALOG NUMBERING EXAMPLE:	
System No.	Fasteners Coating
1 R - 1331-45 - ZN - BK	

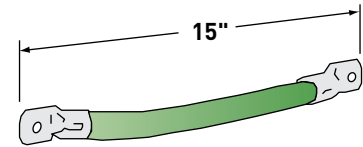
FLOOR/WALL SUPPORT BRACKET KIT



Connects runway to the floor or wall and acts as a support point. Includes the splice connector and foot support. Attachment hardware is not included. Sold in pairs.

PRODUCT NUMBER	FASTENERS INCLUDED
0339	ZN
CATALOG NUMBERING EXAMPLE:	
System No.	Fasteners Coating
1 R - 0339 - ZN - BK	

BONDING JUMPER - #1 COPPER

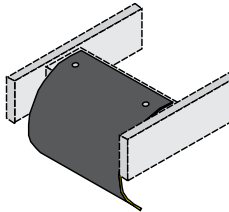


600 amperes rating per N.E.C.

COMPLETE CATALOG NO.
C-A803

CABLE DROPOUT

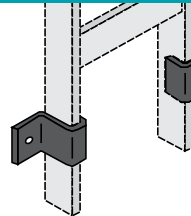
Provides a smooth surface for cables to drop out of runway with a 5" radius bend.



PRODUCT NUMBER	
0254	
CATALOG NUMBERING EXAMPLE:	
System No.	W Fasteners Coating
R - 0254 - 06 - ZN - BK	

VERTICAL WALL BRACKET

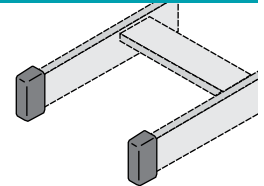
Secures runway to the wall or floor. Hardware is not included. Sold in pairs.



PRODUCT NUMBER	
0426	
CATALOG NUMBERING EXAMPLE:	
System No.	Fasteners
1 R - 0426	- BK

PROTECTIVE END CAP

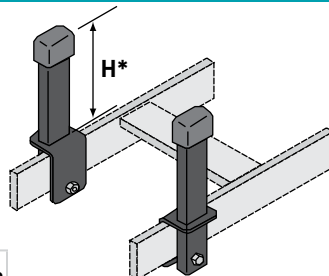
Protects the exposed ends of runway side rails. Plastic material. Sold in pairs.



PRODUCT NUMBER
0410
CATALOG NUMBERING EXAMPLE:
System No.
1 R - 0410

CABLE RETAINING POSTS

Posts add load depth to cable runway. Includes one post, one bracket, and one end cap. Posts are typically installed on 12" centers.

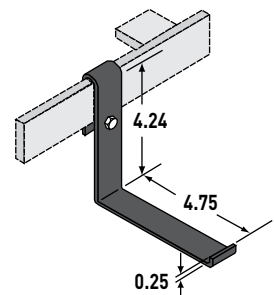


PRODUCT NUMBER	FASTENERS INCLUDED
A330	ZN
CATALOG NUMBERING EXAMPLE:	
System No.	H Fasteners Coating
1 R - A330 - 08 - ZN - BK	

HEIGHTS (H) INCHES
4 | 6 | 8

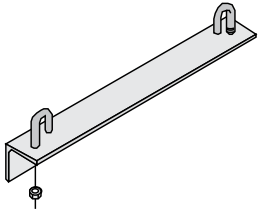
L-BRACKET

Bracket provides a separate facility for running power conductors or other cables that should be physically separated from main cables.

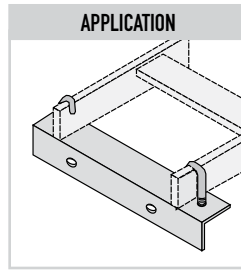


PRODUCT NUMBER	FASTENERS INCLUDED
A834	ZN
CATALOG NUMBERING EXAMPLE:	
System No.	Fasteners Coating
1 R - A834 - ZN - BK	

WALL ANGLE SUPPORT KIT

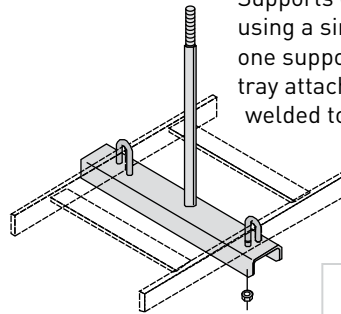


Supports cable runway against wall or upright vertical surface. Angle length and hole spacing is based on the specified width. Kit includes hardware for tray attachment, but wall attachment hardware is not included. Standard finish is epoxy powder coat, light gray color.



PRODUCT NUMBER	FASTENERS INCLUDED
0403	ZN
CATALOG NUMBERING EXAMPLE:	
System No.	W Fasteners Coating
R - 0403	- 06 - ZN - BK

CENTER HUNG SUPPORT KIT

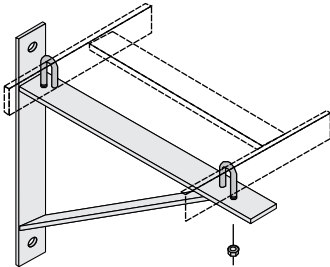


Supports cable runway from the ceiling using a single threaded rod. Kit includes one support bracket and hardware for tray attachment. Threaded rod cover is welded to the support bracket. Standard finish is epoxy powder coat, light gray color. Threaded rod is purchased separately.

PRODUCT NUMBER	FASTENERS INCLUDED
0345	ZN
CATALOG NUMBERING EXAMPLE:	
System No.	W Fasteners Coating
R - 0345	- 12 - ZN - BK

WALL BRACKET

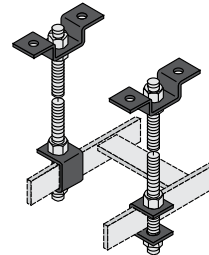
Supports cable runway against the wall or an upright vertical surface. Hardware for runway attachment is included. Standard finish is epoxy powder coat, light gray color.



PRODUCT NUMBER	FASTENERS INCLUDED
0349	ZN
CATALOG NUMBERING EXAMPLE:	
System No.	W Fasteners Coating
R - 0349	- 09 - ZN - BK

TRAPEZE SUPPORT KIT

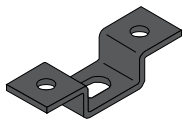
Supports cable runway from the ceiling with threaded rods. Kit includes one ceiling support bracket, one runway side rail support bracket and hex nuts. Threaded rod is purchased separately.



PRODUCT NUMBER	ROD SIZE	FASTENERS INCLUDED
0327	3/8	ZN
0328	1/2	ZN
0331	5/8	ZN
CATALOG NUMBERING EXAMPLE:		
System No.	Fasteners Coating	
1 R - 0327	- ZN - BK	

CEILING SUPPORT BRACKET

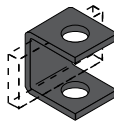
Attaches threaded rod to the ceiling. Sold individually. Hardware purchased separately.



PRODUCT NUMBER	USE WITH FASTENERS
A823-01	3/8
A824-01	1/2 or 5/8
CATALOG NUMBERING EXAMPLE:	
System No.	Coating
R - A823-01	- BK

SIDE RAIL SUPPORT BRACKET

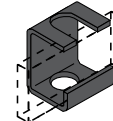
Used in conjunction with threaded rod to support cable runway from ceiling. Sold individually. Hardware is purchased separately.



PRODUCT NUMBER	USE WITH FASTENERS
A838-01	3/8
A839-01	1/2 or 5/8
CATALOG NUMBERING EXAMPLE:	
System No.	Coating
1 R - A839-01	- BK

SLOTTED SUPPORT BRACKET

Used in conjunction with threaded rod to support cable runway from the ceiling. Hardware is purchased separately.



PRODUCT NUMBER	USE WITH FASTENERS
A842-01	3/8
A843-01	1/2
A844-01	5/8
CATALOG NUMBERING EXAMPLE:	
System No.	Coating
1 R - A842-01	- BK

RUNWAY PREFIX OPTIONS

R	ALL SIZES
1R	1 1/2" SIDERAIL (8104, 8106)
2R	2" SIDERAIL (8204, 8206)

WIDTHS (W) INCHES

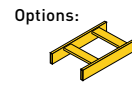
6	9	12	18	24
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COLOR COATING CHART



Standard: Black(BK)

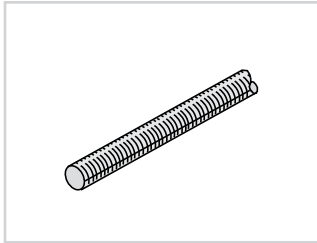

Options:
Yellow Zinc Dichromate (YZ)


Light Gray (GY)

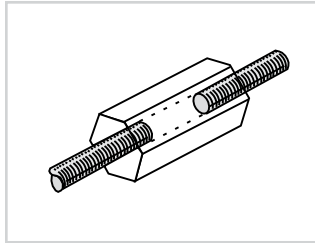
Wall Angle Support, Center Hung Support and Wall Bracket are also available in black and gray colors.

INSTALLATION FASTENERS

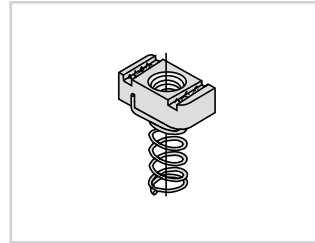
THREADED ROD



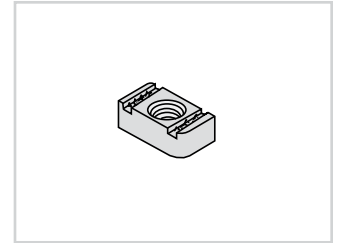
ROD COUPLING NUT



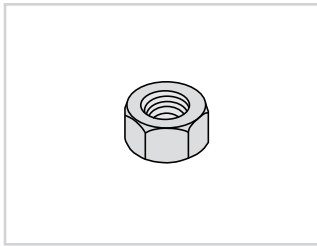
CHANNEL NUT W/ SPRING



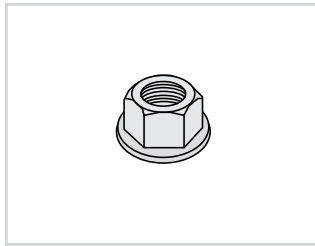
CHANNEL NUT W/O SPRING



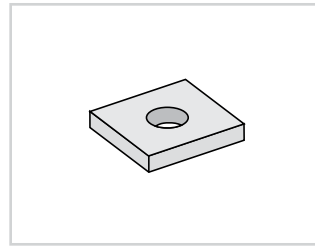
HEX NUT



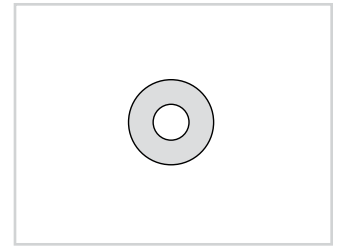
FLANGED HEX NUT



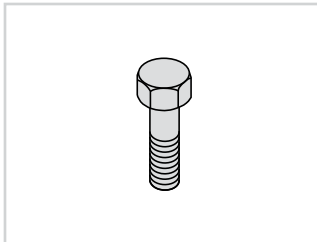
SQUARE CHANNEL WASHER



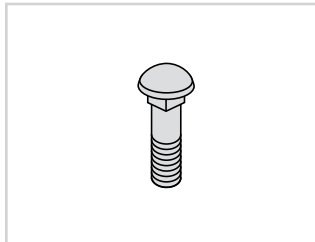
FLAT, ROUND WASHER



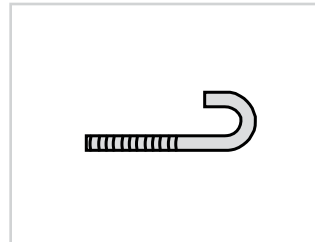
HEX HEAD BOLT



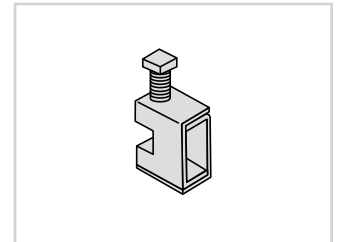
CARRIAGE BOLT



J-BOLT



BEAM CLAMP



DESCRIPTION	SIZE	COMPLETE CATALOG NUMBER	
		ZN	S6
THREADED ROD	3/8"-16 x 12'	DS-0255-12-ZN	DS-0255-12-S6
	1/2"-13 x 12'	DS-0256-12-ZN	DS-0256-12-S6
	5/8"-11 x 12'	DS-0257-12-ZN	DS-0257-12-S6
ROD COUPLING NUT	3/8"-16	DS-0237-04-ZN	DS-0237-04-S6
	1/2"-13	DS-0237-05-ZN	DS-0237-05-S6
	5/8"-11	DS-0237-06-ZN	DS-0237-06-S6
CHANNEL NUT W/ SPRING	3/8"-16	DS-0102-05-ZN	DS-0102-05-S6
	1/2"-13	DS-0102-07-ZN	DS-0102-07-S6
	5/8"-11	DS-0102-08-ZN	DS-0102-08-S6
CHANNEL NUT W/O SPRING	3/8"-16	DS-0103-05-ZN	DS-0103-05-S6
	1/2"-13	DS-0103-07-ZN	DS-0103-07-S6
	5/8"-11	DS-0103-08-ZN	DS-0103-08-S6
HEX NUT	3/8"-16	DS-8575-01-ZN	DS-8554-01-S6
	1/2"-13	DS-8570-01-ZN	DS-8574-01-S6
	5/8"-11	DS-8532-01-ZN	DS-8723-01-S6
FLANGED HEX NUT	1/4"-20	DS-8845-01-ZN	DS-8929-01-S6
	3/8"-16	DS-8524-01-ZN	DS-8927-01-S6
	1/2"-13	DS-8644-01-ZN	DS-8932-01-S6
	5/8"-11	DS-8938-01-ZN	DS-8946-01-S6
SQUARE CHANNEL WASHER	1 1/2" w/ 3/8" HOLE	DS-0113-02-ZN	DS-0113-02-S6
	1 1/2" w/ 1/2" HOLE	DS-0113-03-ZN	DS-0113-03-S6
	1 1/2" w/ 5/8" HOLE	DS-0113-04-ZN	DS-0113-04-S6

DESCRIPTION	SIZE	COMPLETE CATALOG NUMBER	
		ZN	S6
FLAT, ROUND WASHER	1/4"	DS-8598-01-ZN	DS-8674-01-S6
	3/8"	DS-8596-01-ZN	DS-8600-01-S6
	1/2"	DS-8595-01-ZN	DS-8657-01-S6
	5/8"	DS-8594-01-ZN	DS-8798-01-S6
HEX HEAD BOLT	1/4"-20 x 3/4"	DS-8502-01-ZN	DS-8720-01-S6
	1/4"-20 x 1"	DS-8502-06-ZN	DS-8720-09-S6
	1/4"-20 x 1 1/4"	DS-8502-08-ZN	DS-8720-02-S6
	1/4"-20 x 1 1/2"	DS-8502-10-ZN	DS-8720-10-S6
	3/8"-16 x 1 1/2"	DS-8520-05-ZN	DS-8694-05-S6
	1/2"-13 x 1 1/2"	DS-8515-15-ZN	DS-8533-02-S6
CARRIAGE BOLT	3/8"-16 x 1 1/2"	DS-8510-04-ZN	DS-8716-04-S6
	3/8"-16 x 2 1/2"	DS-8510-08-ZN	DS-8716-05-S6
	3/8"-16 x 3"	DS-8510-10-ZN	DS-8716-06-S6
	3/8"-16 x 3 1/2"	DS-8510-11-ZN	DS-8716-07-S6
	3/8"-16 x 4"	DS-8510-12-ZN	DS-8716-08-S6
J-BOLT	3/8"-16	DS-8937-01-ZN	N/A
BEAM CLAMP	FOR 1/4" ROD	DS-0221-01-ZN*	DS-0221-01-S6*
	FOR 3/8" ROD	DS-0221-04-ZN†	DS-0221-04-S6†
	FOR 1/2" ROD	DS-0221-06-ZN‡	DS-0221-06-S6‡

Safe Load: *750 lbs.; †1100 lbs.; ‡1600 lbs.

