CJH Series J-Hook

Installation Instructions

Mounting to a vertical surface:

CJ12H, CJ21H, CJ32H and CJ64H

Secure the hook to the wall with a mounting anchor* appropriate to the surface you are mounting it to, such as a screw or a toggle bolt as shown on Fig. 2 below.

Fig. 1

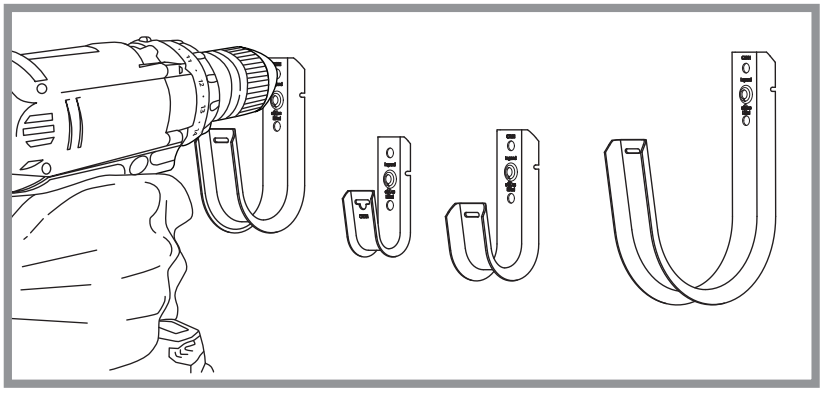


Fig. 2

Part No.	Hook Size	Fig. No.	Safe Working Load		Description
			LBS.	N	
CJ12H	3/4"	1	65	267	Basic J-Hook
CJ21H	1-5/16"		65	267	
CJ32H	2"		65	267	
CJ64H	4"		65	267	

Mounting to a rod or ceiling wire with a bat wing clip:

CJ12HW, CJ21HW, CJ32HW and CJ64HW

The batwing spring steel clip* is secured to the J-Hook using an appropriate fastener such as a bolt or a rivet. Depress the batwing between your fingers and attach it to 12 gauge ceiling wire or 1/4" - 3/8" threaded rods as shown on Fig. 4 and Fig. 5 below.

Fig. 3

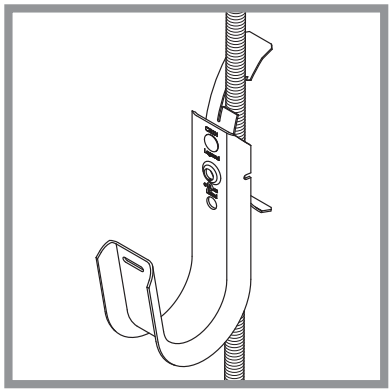


Fig. 4

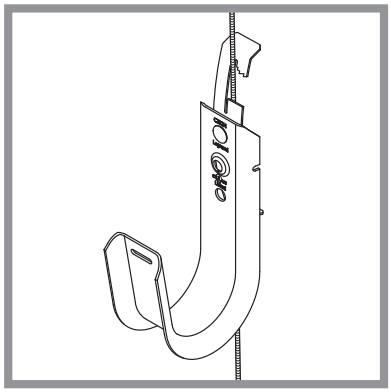


Fig. 5

Part No.	Hook Size	Fig. No.	Safe Working Load		Description
			LBS.	N	
CJ12HW	3/4"	3	17	74.8	J-Hook assembled to multi-purpose batwing clip
CJ21HW	1 5/16"		17	74.8	
CJ32HW	2"		17	74.8	
CJ64HW	4"		33.3	148	

Mounting to a rod or a horizontal surface with an angle clip:

CJ12HAC, CJ21HAC, CJ32HAC, CJ32HAC6, CJ64HAC and CJ64HAC6

Secure the angle clip to 1/4" or 3/8" threaded rod with 2 - 1/4x20 nuts as shown. The clip may be secured directly to a horizontal surface using an appropriate fastener* as shown on Fig. 8 and Fig. 9 below.

Fig. 6

Fig. 7

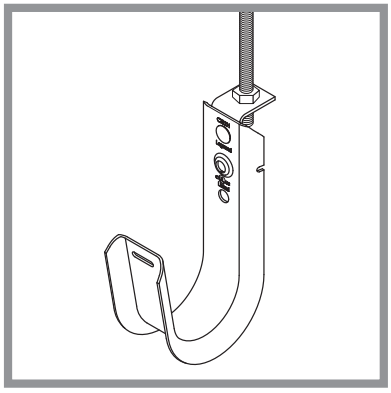


Fig. 8

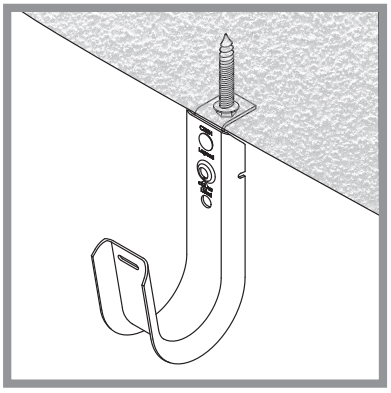


Fig. 9

Part No.	Hook Size	Fig. No.	Ultimate Peak Load		Angle Clip Hole Size	Description
			LBS.	N		
CJ12HAC	3/4"	6	65	267	1/4"	J-Hook assembled to 90° angle clip with 1/4" hole
CJ21HAC	1 5/16"		65	267	1/4"	J-Hook assembled to 90° angle clip with 1/4" hole
CJ32HAC	2"		65	267	1/4"	J-Hook assembled to 90° angle clip with 1/4" hole
CJ32HAC6	2"	7	65	267	3/8"	J-Hook assembled to 90° angle clip with 3/4" hole
CJ64HAC	4"	6	65	267	1/4"	J-Hook assembled to 90° angle clip with 1/4" hole
CJ64HAC6	4"	7	65	267	3/8"	J-Hook assembled to 90° angle clip with 3/4" hole

Mounting to a beam with a knock-on HOK24 or HOK58 beam clamp:

CJ12HHOK-24, CJ12HHOK-58, CJ21HHOK-24, CJ21HHOK-58, CJ32HHOK-24, CJ32HHOK-58, CJ64HHOK-24 and CJ64HHOK-58

Secure a knock-on beam clamp to a flange using a hammer as shown on Fig. 12 and Fig. 13 below.

Note: The HOK-24 is designed for flanges from 1/8" to 1/4" thick, the HOK-58 is designed for flanges from 5/16" to 1/2" thick.

Fig. 10

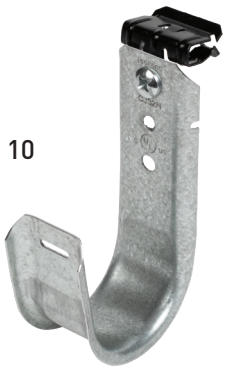
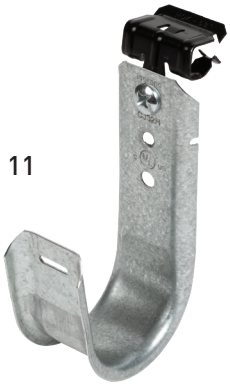


Fig. 11



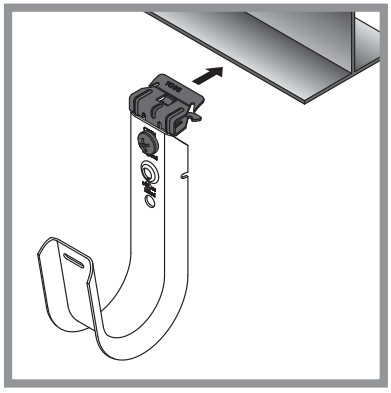


Fig. 12

Fig. 13

Part No.	Hook Size	Fig. No.	Safe Working Load		Description
			LBS.	N	
CJ12HHOK24	3/4"	10	65	267	J-Hook assembled to knock-on beam clamp for flanges 1/8" – 1/4" thick
CJ12HHOK58	3/4"	11	65	267	J-Hook assembled to knock-on beam clamp for flanges 5/16" – 1/2" thick
CJ21HHOK24	1-5/16"	10	65	267	J-Hook assembled to knock-on beam clamp for flanges 1/8" – 1/4" thick
CJ21HHOK58	1-5/16"	11	65	267	J-Hook assembled to knock-on beam clamp for flanges 5/16" – 1/2" thick
CJ32HHOK24	2"	10	65	267	J-Hook assembled to knock-on beam clamp for flanges 1/8" – 1/4" thick
CJ32HHOK58	2"	11	65	267	J-Hook assembled to knock-on beam clamp for flanges 5/16" – 1/2" thick
CJ64HHOK24	4"	10	65	267	J-Hook assembled to knock-on beam clamp for flanges 1/8" – 1/4" thick
CJ64HHOK58	4"	11	65	267	J-Hook assembled to knock-on beam clamp for flanges 5/16" – 1/2" thick

Mounting to a beam with a knock-on ACHOK24 or ACHOK58 beam clamp:

CJ12HACHOK24, CJ12HACHOK58, CJ21HACHOK24, CJ21HACHOK58, CJ32HACHOK24, CJ32HACHOK58, CJ64HACHOK24 and CJ64HACHOK58

Secure a knock-on beam clamp to a flange using a hammer as shown on Fig. 16 and Fig. 17 below.

Note: The ACHOK24 is designed for flanges from 1/8" to 1/4" thick. The ACHOK58 is designed for flanges from 5/16" – 1/2" thick. Both the ACHOK24 and ACHOK58 can be rotated 360°.

Fig. 14

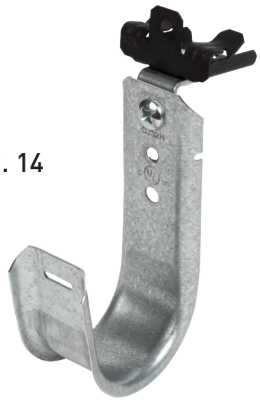


Fig. 15

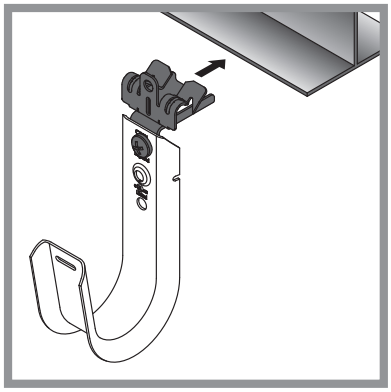


Fig. 16

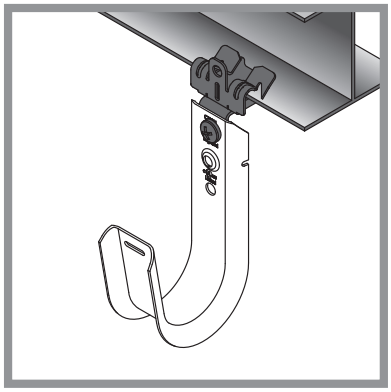


Fig. 17

RoHS

Part No.	Hook Size	Fig. No.	Safe Working Load		Description
			LBS.	N	
CJ12HACHOK24	3/4"	14	65	267	J-Hook assembled to knock-on beam clamp for flanges 1/8" – 1/4" thick, rotates 360°
CJ12HACHOK58	3/4"	15	65	267	J-Hook assembled to knock-on beam clamp for flanges 5/16" – 1/2" thick, rotates 360°
CJ21HACHOK24	1 5/16"	14	65	267	J-Hook assembled to knock-on beam clamp for flanges 1/8" – 1/4" thick, rotates 360°
CJ21HACHOK58	1 5/16"	15	65	267	J-Hook assembled to knock-on beam clamp for flanges 5/16" – 1/2" thick, rotates 360°
CJ32HACHOK24	2"	14	65	267	J-Hook assembled to knock-on beam clamp for flanges 1/8" – 1/4" thick, rotates 360°
CJ32HACHOK58	2"	15	65	267	J-Hook assembled to knock-on beam clamp for flanges 5/16" – 1/2" thick, rotates 360°
CJ64HACHOK24	4"	14	65	267	J-Hook assembled to knock-on beam clamp for flanges 1/8" – 1/4" thick, rotates 360°
CJ64HACHOK58	4"	15	65	267	J-Hook assembled to knock-on beam clamp for flanges 5/16" – 1/2" thick, rotates 360°

Mounting to a beam with a screw-on PBC beam clamp:

CJ12HPBC, CJ12HACPBC, CJ21HPBC, CJ21HACPBC, CJ32HPBC, CJ32HACPBC, CJ64HPBC and CJ64HACPBC

Secure a screw-on beam clamp to a flange using a 3/8" socket driver or wrench as shown on Fig. 20 and Fig. 21 below.

Note: The PBC and ACPBC's are designed for flanges up to 1/2" thick. The ACPBC can be rotated 360°.

Fig. 18

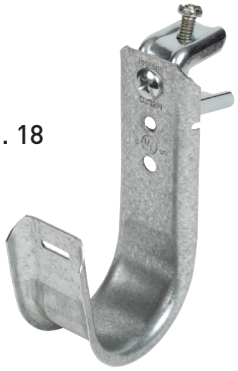


Fig. 19

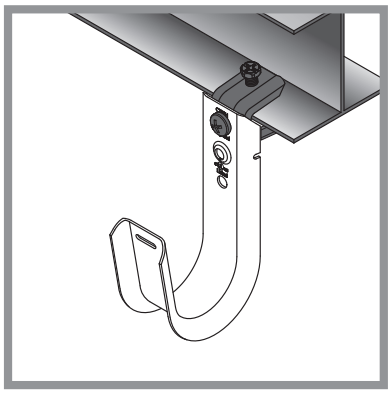


Fig. 20

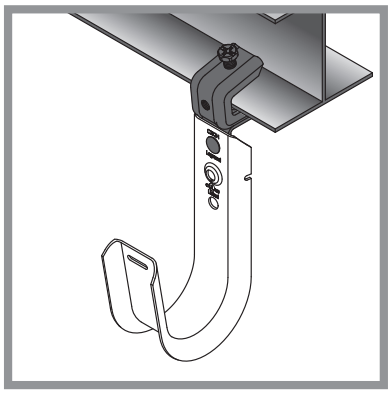


Fig. 21

RoHS

Part No.	Hook Size	Fig. No.	Ultimate Peak Load		Description
			LBS.	N	
CJ12HPBC	3/4"	18	65	267	J-Hook assembled to pressed beam clamp for flanges up to 1/2" thick
CJ12HACPBC	3/4"	19	65	267	J-Hook assembled to pressed beam clamp for flanges up to 1/2" thick, rotates 360°
CJ21HPBC	1 5/16"	18	65	267	J-Hook assembled to pressed beam clamp for flanges up to 1/2" thick
CJ21HACPBC	1 5/16"	19	65	267	J-Hook assembled to pressed beam clamp for flanges up to 1/2" thick, rotates 360°
CJ32HPBC	2"	18	65	267	J-Hook assembled to pressed beam clamp for flanges up to 1/2" thick
CJ32HACPBC	2"	19	65	267	J-Hook assembled to pressed beam clamp for flanges up to 1/2" thick, rotates 360°
CJ64HPBC	4"	18	65	267	J-Hook assembled to pressed beam clamp for flanges up to 1/2" thick
CJ64HACPBC	4"	19	65	267	J-Hook assembled to pressed beam clamp for flanges up to 1/2" thick, rotates 360°

Mounting to a beam with a screw-on SSBC spring steel beam clamp:

CJ12HSSBC, CJ12HACSSBCC, CJ21HSSBC, CJ21HACSSBC, CJ32HSSBC, CJ32HACSSBC, CJ64HSSBC and CJ64HACSSBC

Secure a screw-on beam clamp to a flange using a 3/8" socket driver, wrench or Philips head screw driver as shown on Fig. 24 and Fig. 25 below.

Note: The SSBC and ACSSBC's are designed for flanges up to 1/2" thick. The ACSSBC can be rotated 360°.

Fig. 22

Fig. 23

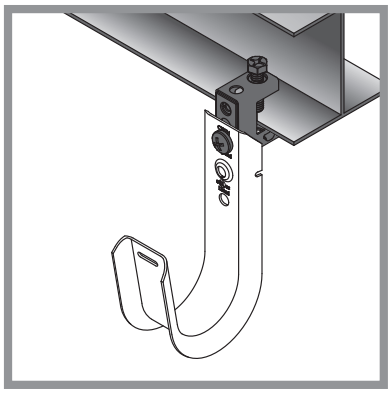


Fig. 24

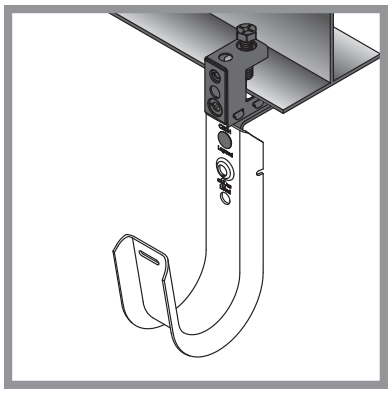


Fig. 25

RoHS

Part No.	Hook Size	Fig. No.	Ultimate Peak Load		Description
			LBS.	N	
CJ12HSSBC	3/4"	22	65	267	J-Hook assembled to spring steel beam clamp for flanges up to 1/2" thick
CJ12HACSSBC	3/4"	23	65	267	J-Hook assembled to spring steel beam clamp for flanges up to 1/2" thick, rotates 360°
CJ21HSSBC	1 5/16"	22	65	267	J-Hook assembled to spring steel beam clamp for flanges up to 1/2" thick
CJ21HACSSBC	1 5/16"	23	65	267	J-Hook assembled to spring steel beam clamp for flanges up to 1/2" thick, rotates 360°
CJ32HSSBC	2"	22	65	267	J-Hook assembled to spring steel beam clamp for flanges up to 1/2" thick
CJ32HACSSBC	2"	23	65	267	J-Hook assembled to spring steel beam clamp for flanges up to 1/2" thick, rotates 360°
CJ64HSSBC	4"	22	65	267	J-Hook assembled to spring steel beam clamp for flanges up to 1/2" thick
CJ64HACSSBC	4"	23	65	267	J-Hook assembled to spring steel beam clamp for flanges up to 1/2" thick, rotates 360°

Cable Capacity to Load Rating Calculation Chart:

CJ12H Series, CJ21H Series, CJ32H Series and CJ64H Series

ANSI/TIA-569-D

Note: A weight of 1 kg (2.2 lbs.) or 0.7 kg/m (0.5 lbs. / ft.) with spacing of support wire/rod at 1.5 m (5 ft.) is equivalent to a bundle of 16 – 4-pair 24 AWG UTP cables, including fasteners.

Note: MAX load (lbs.) is calculated per individual J-hook installed at a 5' max distance as per TIA-569-D 9.8

Part No.	Hook Size	Safe Working Load	Fill Ratio CAT 5e			MAX Load 40% Fill	MAX Load 70% Fill	MAX Load 100% Fill
		LBS.	40%	70%	100%			
CJ12H Series	3/4"	65	21	37	53	.420 lbs.	.740 lbs.	1.060 lbs.
CJ21H Series	1-5/16"	65	38	67	96	.760 lbs.	1.34 lbs.	1.920 lbs.
CJ32H Series	2"	65	74	130	186	1.480 lbs.	2.60 lbs.	3.720 lbs.
CJ64H Series	4"	65	259	454	649	5.188 lbs.	9.08 lbs.	12.980 lbs.

Note: CAT 5e fill ratio based on an average outside cable diameter range of 0.182" → 0.207" ****

Part No.	Hook Size	Safe Working Load	Fill Ratio CAT 6			MAX Load 40% Fill	MAX Load 70% Fill	MAX Load 100% Fill
		LBS.	40%	70%	100%			
CJ12H Series	3/4"	65	14	25	36	.392 lbs.	.700 lbs.	1.008 lbs.
CJ21H Series	1-5/16"	65	26	46	66	.728 lbs.	1.288 lbs.	1.848 lbs.
CJ32H Series	2"	65	51	89	127	1.428 lbs.	2.492 lbs.	3.550 lbs.
CJ64H Series	4"	65	177	311	444	4.956 lbs.	8.708 lbs.	12.432 lbs.

Note: CAT 6 fill ratio based on an average outside cable diameter of 0.22" ****

Part No.	Hook Size	Safe Working Load	Fill Ratio CAT 6a / 7			MAX Load 40% Fill	MAX Load 70% Fill	MAX Load 100% Fill
		LBS.	40%	70%	100%			
CJ12H Series	3/4"	65	7	13	19	.315 lbs.	.585 lbs.	.855 lbs.
CJ21H Series	1-5/16"	65	14	24	35	.630 lbs.	1.080 lbs.	1.575 lbs.
CJ32H Series	2"	65	27	48	68	1.215 lbs.	2.160 lbs.	3.060 lbs.
CJ64H Series	4"	65	95	167	238	4.275 lbs.	7.515 lbs.	10.710 lbs.

Note: CAT 6a and CAT 7 fill ratio based on an average outside cable diameter range of 0.30" → 0.32" ****

Part No.	Hook Size	Safe Working Load	Fill Ratio CAT 7a			MAX Load 40% Fill	MAX Load 70% Fill	MAX Load 100% Fill
		LBS.	40%	70%	100%			
CJ12H Series	3/4"	65	7	12	18	.322 lbs.	.552 lbs.	.828 lbs.
CJ21H Series	1-5/16"	65	13	23	33	.598 lbs.	1.058 lbs.	1.518 lbs.
CJ32H Series	2"	65	25	45	64	1.150 lbs.	2.070 lbs.	2.944 lbs.
CJ64H Series	4"	65	89	156	223	4.094 lbs.	7.176 lbs.	10.258 lbs.

Note: CAT7A fill ratio based on an average outside cable diameter range of 0.31" → 0.32" ****

Note: MAX load ratings are per individual J-Hook based on proper installation procedures compliant with TIA-569-D 9.8 and proper fill ratios based on NEC® 300.17 Table 1 Chapter 9. It is always the responsibility of the installer to check with local AHJ (Authority Having Jurisdiction) before installing any cable run as they may require even less fill ratios to allow for future expansions.

* Consult the manufacturer's instructions and load ratings before using on your application.
** Consult and follow local codes and practices.
*** Follow all safety guidelines.
**** CAT cable outside diameter varies by type and manufacturer. Consult with the cable manufacturer to insure the correct cable outside diameter is being used during calculations.