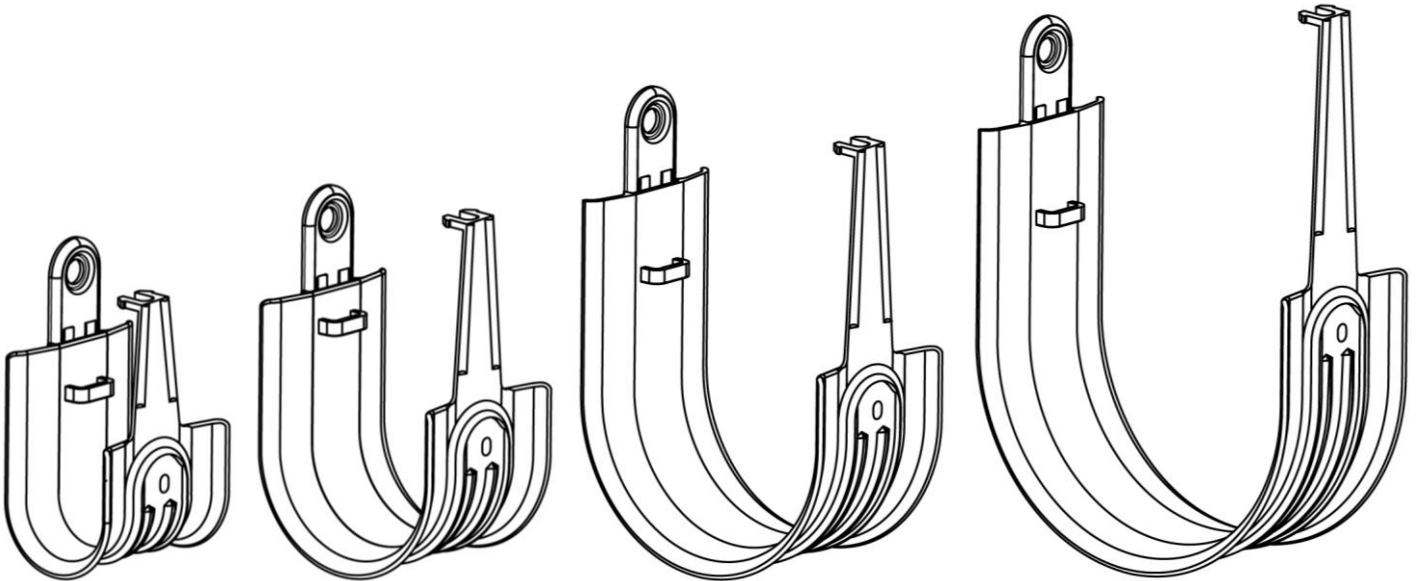




DOC'S INDUSTRIES, INC.

Doc's® HPH Series J-Hook Installation Instructions



Mounting to a vertical surface: HPH16, HPH32, HPH48 and HPH64

Use a nail*, bolt* or screw* with a minimum head diameter of 0.329" (Fig.1-A) and an appropriate length for the substrate (Fig.1-B) to fasten the HPH J-Hook (Fig.2) to the vertical surface (Fig.3). Insert the cables and close the latch as shown in Fig.3. The latch must be in the closed in position as shown in Fig.4 to secure the cables and complete the installation.

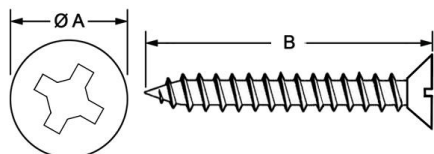


Fig.1

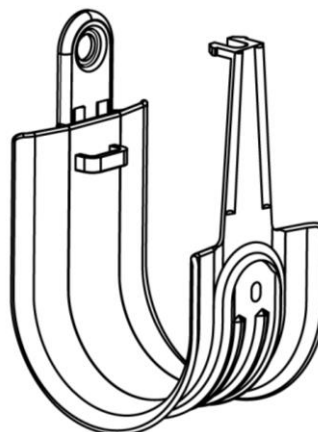


Fig.2

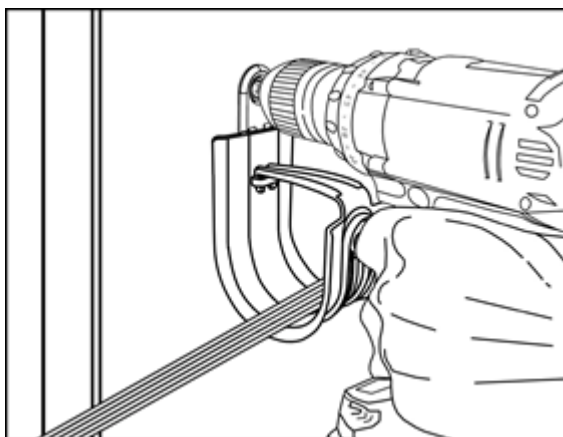


Fig.3

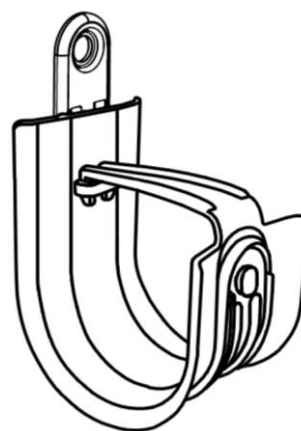


Fig.4

Part No.	Hook Size	Fig. No.	UL Load Rating LBS. N		Description
HPH16	1"	2 & 4	20	88.96	Basic 1" High Performance Hybrid Plastic J-Hook
HPH32	2"		17	75.62	Basic 2" High Performance Hybrid Plastic J-Hook
HPH48	3"		20	88.96	Basic 3" High Performance Hybrid Plastic J-Hook
HPH64	4"		17	75.62	Basic 4" High Performance Hybrid Plastic J-Hook

Mounting to a rod or ceiling wire with a bat wing clip: HPH16W, HPH32W, HPH48W and HPH64W

HPHXXW J-Hooks (Fig.1) are pre-assembled to W34 batwing clips at the factory using a fastener such as a rivet or a zinc plated 1/4-20 x 3/8" pan head Phillips machine bolt and a grade A 1/4-20 hex Nylon locknut (Fig.2). A plain HPH J-Hook may be assembled to a UL listed batwing clip in the field with the use of a similar fastener. Depress the batwing between your fingers (Fig. 3). Attach the HPHXXW to 12 gauge ceiling wire or 1/4" threaded rod (Fig.4 and Fig.6). Insert the cables and close the latch (Fig.5 and Fig.7). The latch must be in the closed in position as shown in Fig.8 to secure the cables and complete the installation.

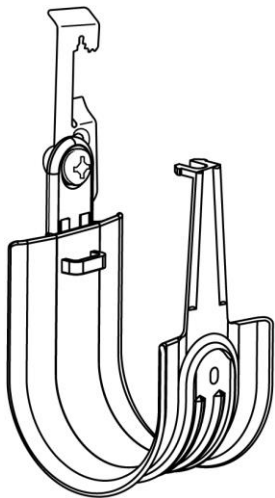


Fig. 1

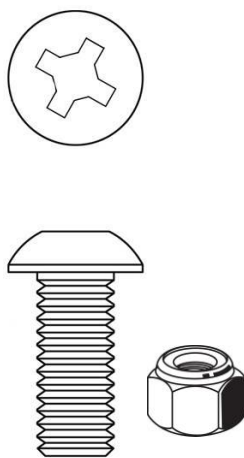


Fig. 2

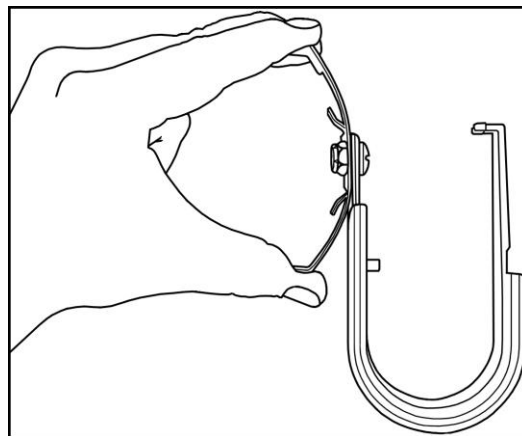


Fig. 3

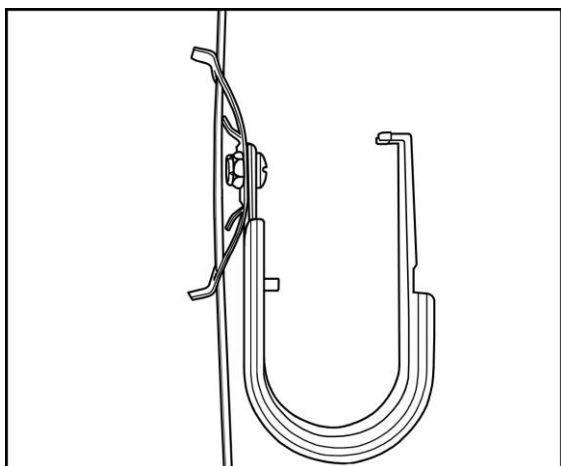


Fig. 4

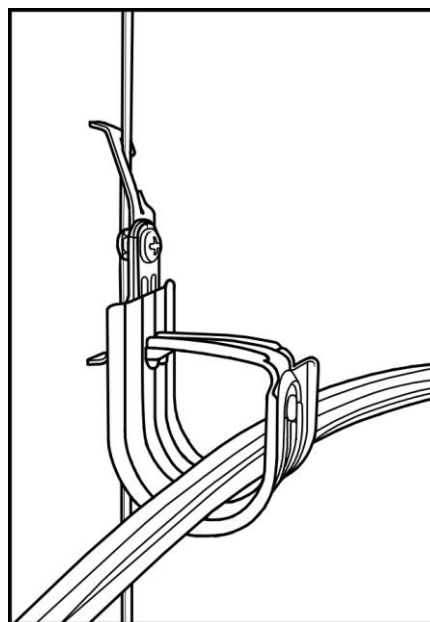


Fig. 5

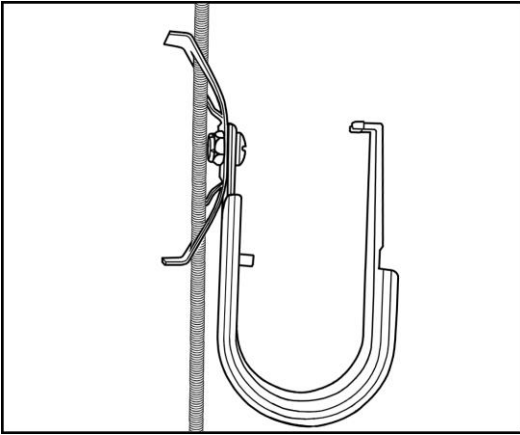


Fig. 6

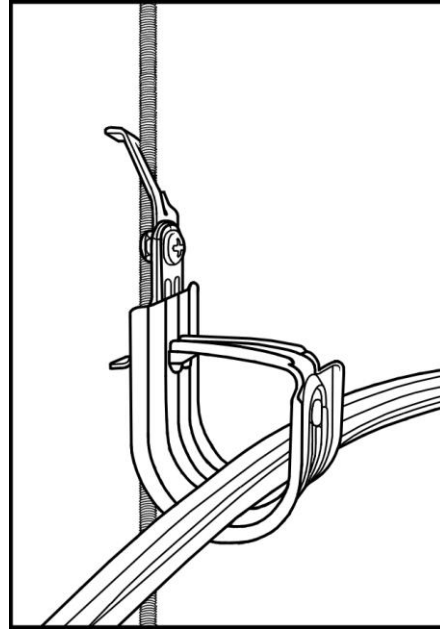


Fig. 7

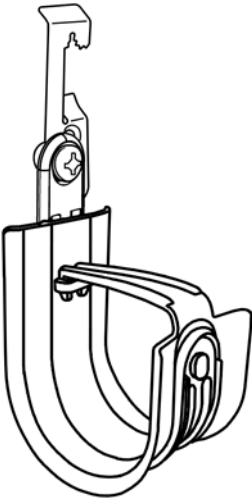


Fig. 8

Part No.	Hook Size	Fig. No.	UL Load Rating		Description
			LBS.	N	
HPH16W	1"	1 & 8	20	88.96	J-Hook assembled to multi-purpose batwing clip
HPH32W	2"		20	88.96	J-Hook assembled to multi-purpose batwing clip
HPH48W	3"		20	88.96	J-Hook assembled to multi-purpose batwing clip
HPH64W	4"		20	88.96	J-Hook assembled to multi-purpose batwing clip

Mounting to a rod or a horizontal surface with an angle clip: HPH16AC, HPH16AC6
HPH32AC, HPH32AC6, HPH48AC, HPH48AC6, HPH64AC & HPH64AC6

HPHXXAC and HPHXXAC6 J-Hooks (Fig.1 and Fig.2) are pre-assembled to angle clips at the factory using a fastener such as a rivet or a zinc plated 1/4-20 x 3/8" pan head Phillips machine bolt and a grade A 1/4-20 hex Nylon locknut (Fig.3). A plain HPH J-Hook may be assembled to a Doc's Industries angle clip in the field using a similar fastener. Fasten the HPHXXAC or HPHXXAC6 to 1/4" or 3/8" threaded rod using two standard hex nuts (Fig.4). Thread a single nut up to the desired location of the threaded rod. Guide the HPHXXAC or HPHXXAC6 onto the threaded rod. Thread a second nut onto the threaded rod and tighten to the first nut, thereby sandwiching the angle clip between the two nuts (Fig.5). An HPHXXAC or an HPHXXAC6 may be fastened directly to the underside of a horizontal surface using an appropriate fastener* (Fig.6). Use a fastener with an appropriate head diameter (Fig.7-A) and an appropriate length for the substrate (Fig.7-B). Place the cables in the hook and close the latch as shown in Fig.5 and Fig.6. The latch must be in the closed in position as shown in Fig.8 and Fig.9 to secure the cables and complete the installation.

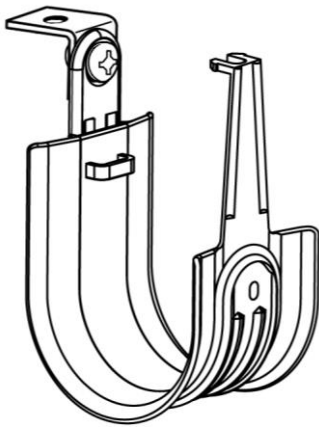


Fig.1

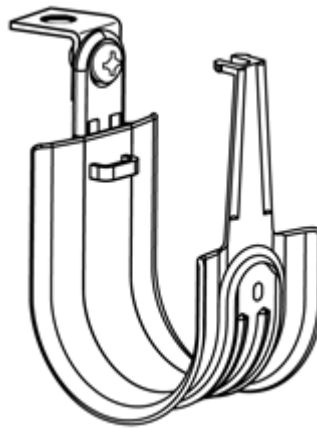


Fig.2

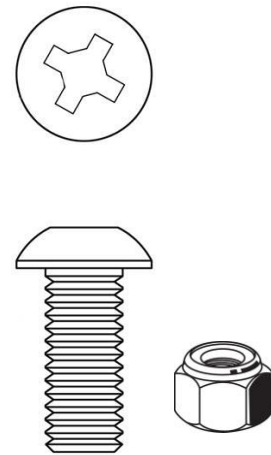


Fig. 3

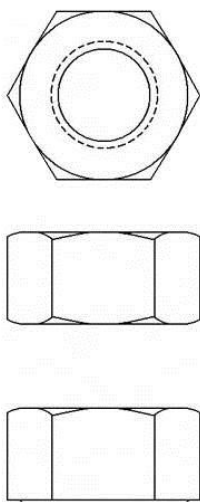


Fig. 4

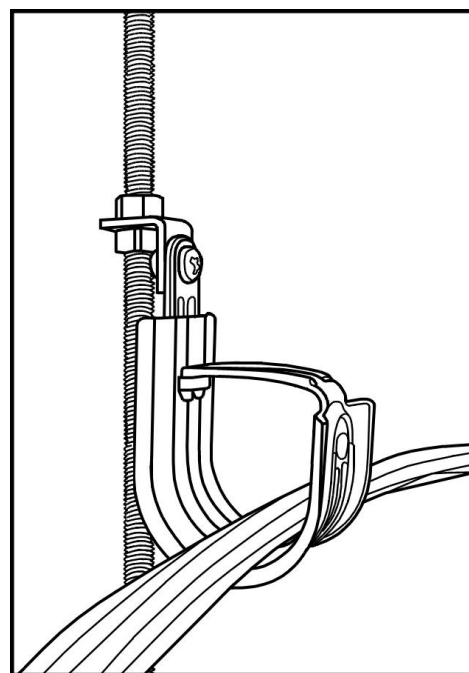


Fig. 5

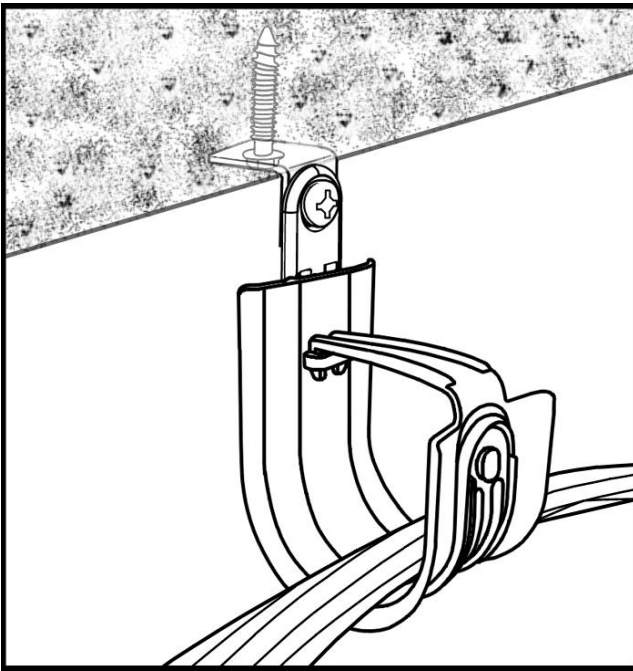


Fig. 6

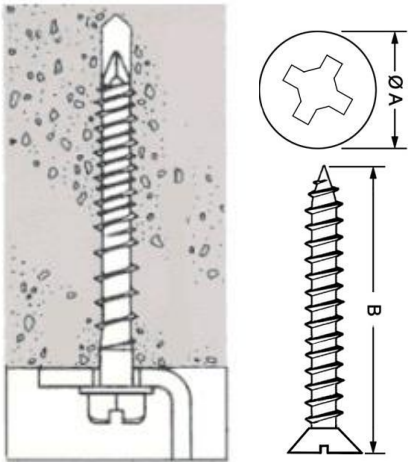


Fig. 7

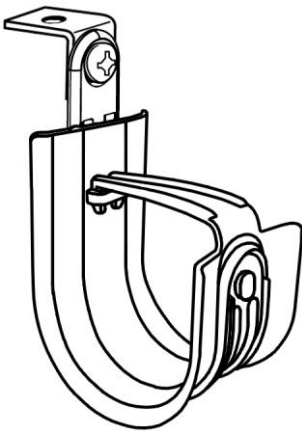


Fig. 8

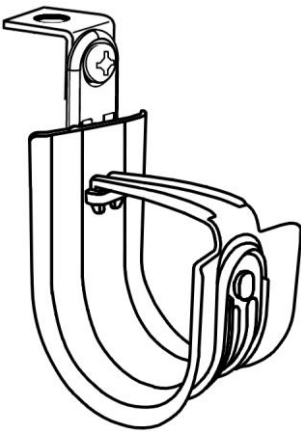


Fig. 9

Part No.	Hook Size	Fig. No.	UL Load Rating LBS. N		Angle Clip Hole Size	Description
HPH16AC	1"	1	20	88.96	1/4"	J-Hook assembled to 90° angle clip with 1/4" hole
HPH16AC6	1"	2	20	88.96	3/8"	J-Hook assembled to 90° angle clip with 3/8" hole
HPH32AC	2"	1	20	88.96	1/4"	J-Hook assembled to 90° angle clip with 1/4" hole
HPH32AC6	2"	2	20	88.96	3/8"	J-Hook assembled to 90° angle clip with 3/8" hole
HPH48AC	3"	1	20	88.96	1/4"	J-Hook assembled to 90° angle clip with 1/4" hole
HPH48AC6	3"	2	20	88.96	3/8"	J-Hook assembled to 90° angle clip with 3/8" hole
HPH64AC	4"	1	20	88.96	1/4"	J-Hook assembled to 90° angle clip with 1/4" hole
HPH64AC6	4"	2	20	88.96	3/8"	J-Hook assembled to 90° angle clip with 3/8" hole

Mounting to a horizontal surface with an angle clip & pin: HPH16ACPA, HPH32ACPA, HPH48ACPA and HPH64ACPA

Use a powder actuated tool* to install the 1-5/16" pin into an appropriate material such as concrete as shown in Fig. 3 & 4.

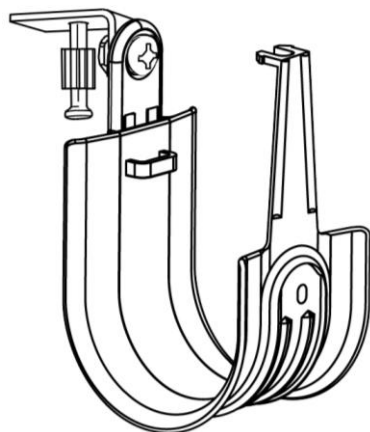


Fig.1

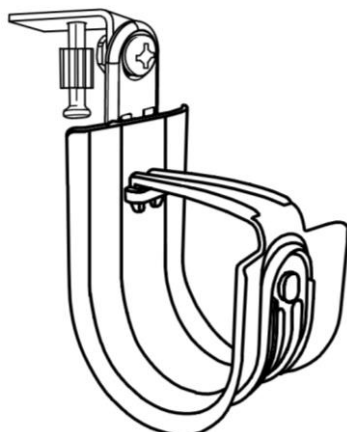


Fig.2

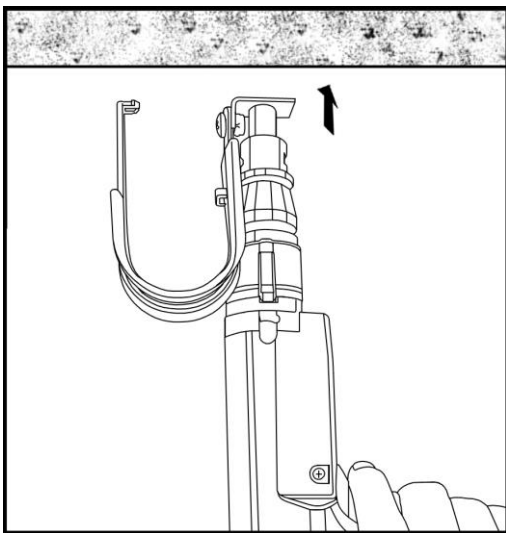


Fig.3

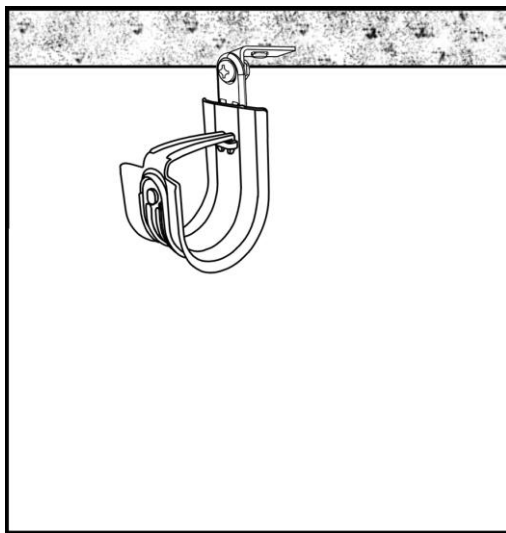


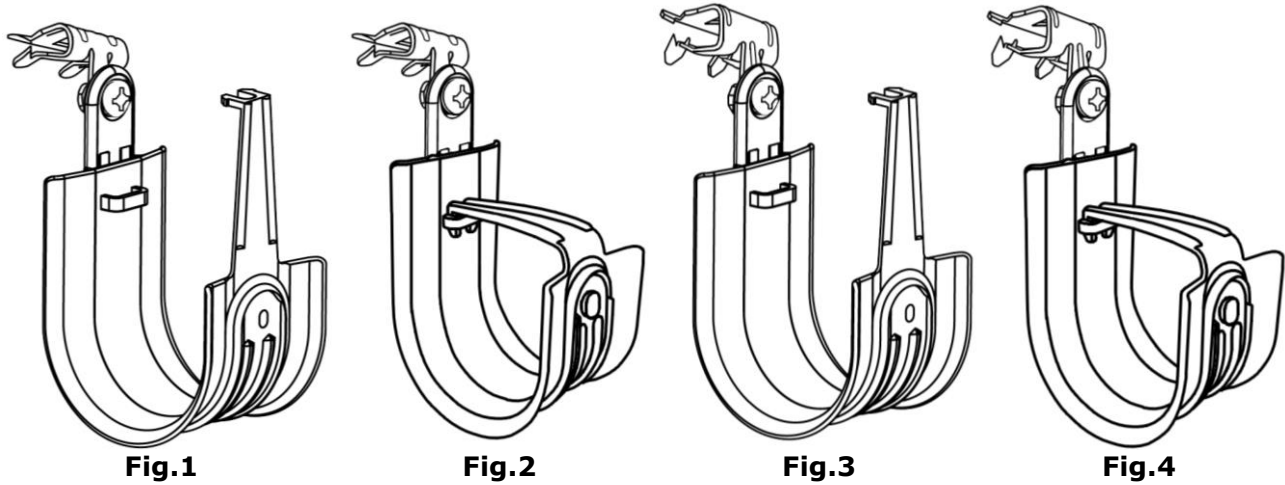
Fig.4

Part No.	Hook Size	Fig. No.	Load Rating		Description
			LBS.	N	
HPH16ACPA	1"	1 & 2	20	88.96	J-Hook assembled to 90 degree angle clip and 1-5/16" pin
HPH32ACPA	2"		20	88.96	J-Hook assembled to 90 degree angle clip and 1-5/16" pin
HPH48ACPA	3"		20	88.96	J-Hook assembled to 90 degree angle clip and 1-5/16" pin
HPH64ACPA	4"		20	88.96	J-Hook assembled to 90 degree angle clip and 1-5/16" pin

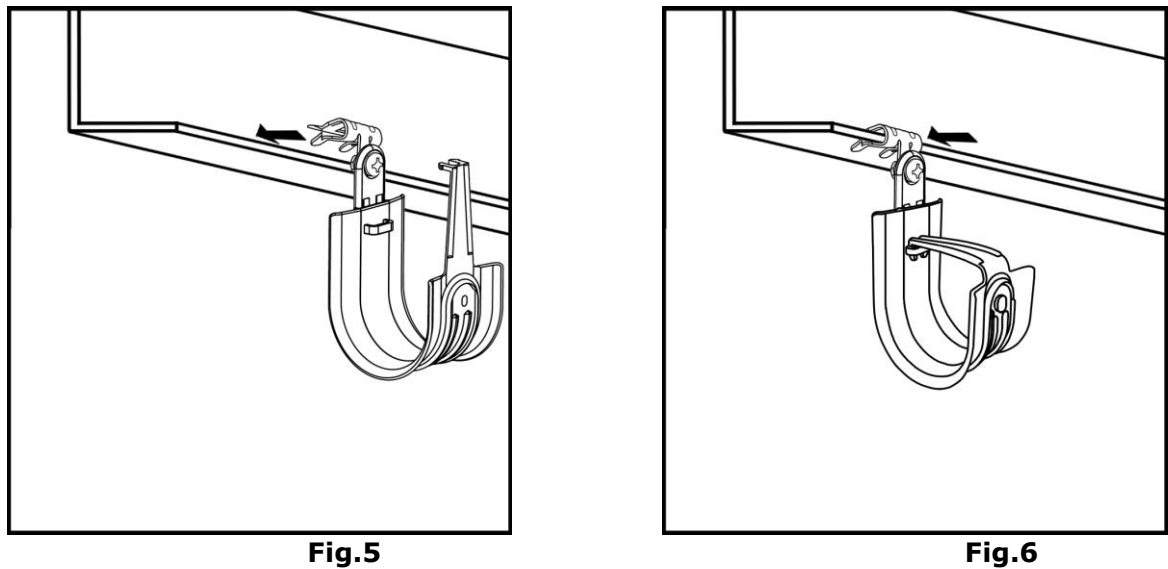
Mounting to a beam with an HOK24 or HOK58 hammer-on beam clamp: HPH16HOK24, HPH16HOK58, HPH32HOK24, HPH32HOK58, HPH48HOK24, HPH48HOK58, HPH64HOK24 and HPH64HOK58

Secure a knock-on beam clamp to a flange using a hammer as shown in Fig. 5 & Fig. 6 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.



Part No.	Hook Size	Fig. No.	UL Load Rating LBS. N		Designed for flanges	Description
HPH16HOK24	1"	1 & 2	20	88.96	1/8" - 1/4"	J Hook w/ beam clamp for flanges 1/8" – 1/4" thick
HPH16HOK58	1"	3 & 4	20	88.96	5/16" - 1/2"	J Hook w/ beam clamp for flanges 5/16" – 1/2" thick
HPH32HOK24	2"	1 & 2	17	75.62	1/8" - 1/4"	J Hook w/ beam clamp for flanges 1/8" – 1/4" thick
HPH32HOK58	2"	3 & 4	17	75.62	5/16" - 1/2"	J Hook w/ beam clamp for flanges 5/16" – 1/2" thick
HPH48HOK24	3"	1 & 2	20	88.96	1/8" - 1/4"	J Hook w/ beam clamp for flanges 1/8" – 1/4" thick
HPH48HOK58	3"	3 & 4	20	88.96	5/16" - 1/2"	J Hook w/ beam clamp for flanges 5/16" – 1/2" thick
HPH64HOK24	4"	1 & 2	17	75.62	1/8" - 1/4"	J Hook w/ beam clamp for flanges 1/8" – 1/4" thick
HPH64HOK58	4"	3 & 4	17	75.62	5/16" - 1/2"	J Hook w/ beam clamp for flanges 5/16" – 1/2" thick



Mounting to a beam with an FM24 or FM58 hammer-on beam clamp: HPH16FM24, HPH16FM58, HPH32FM24, HPH32FM58, HPH48FM24, HPH48FM58, HPH64FM24 and HPH64FM58

Secure a knock-on beam clamp to a flange using a hammer as shown in Fig. 5 & Fig. 6 below.

Note: The ACFM24 is designed for flanges from 1/8" to 1/4" thick. The ACFM58 is designed for flanges from 5/16" to 1/2" thick. Both the ACFM24 & ACFM58 can be rotated 360°.

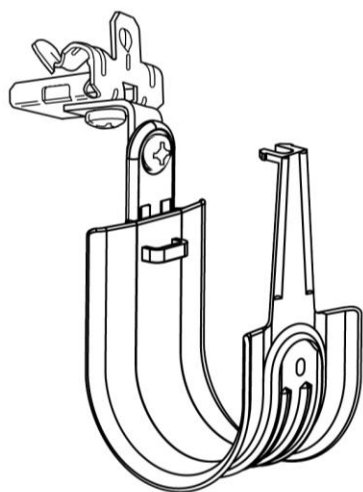


Fig.1

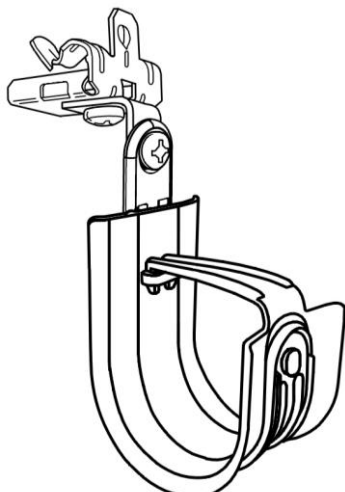


Fig.2

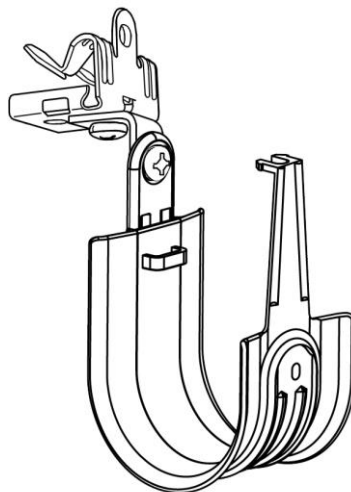


Fig.3

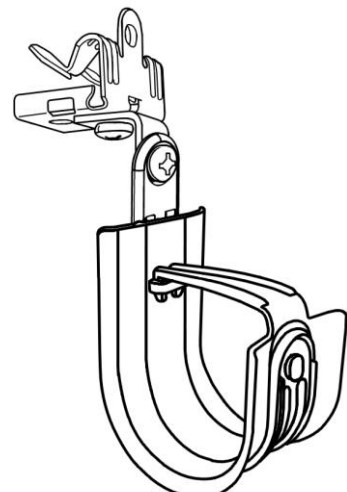


Fig.4

Part No.	Hook Size	Fig. No.	UL Load Rating LBS. N		Designed for flanges	Description
HPH16FM24	1"	1 & 2	20	88.96	1/8" - 1/4"	J Hook w/ swivel clamp for flanges 1/8" - 1/4" thick
HPH16FM58	1"	3 & 4	20	88.96	5/16" - 1/2"	J Hook w/ swivel clamp for flanges 5/16" - 1/2" thick
HPH32FM24	2"	1 & 2	20	88.96	1/8" - 1/4"	J Hook w/ swivel clamp for flanges 1/8" - 1/4" thick
HPH32FM58	2"	3 & 4	20	88.96	5/16" - 1/2"	J Hook w/ swivel clamp for flanges 5/16" - 1/2" thick
HPH48FM24	3"	1 & 2	20	88.96	1/8" - 1/4"	J Hook w/ swivel clamp for flanges 1/8" - 1/4" thick
HPH48FM58	3"	3 & 4	20	88.96	5/16" - 1/2"	J Hook w/ swivel clamp for flanges 5/16" - 1/2" thick
HPH64FM24	4"	1 & 2	20	88.96	1/8" - 1/4"	J Hook w/ swivel clamp for flanges 1/8" - 1/4" thick
HPH64FM58	4"	3 & 4	20	88.96	5/16" - 1/2"	J Hook w/ swivel clamp for flanges 5/16" - 1/2" thick

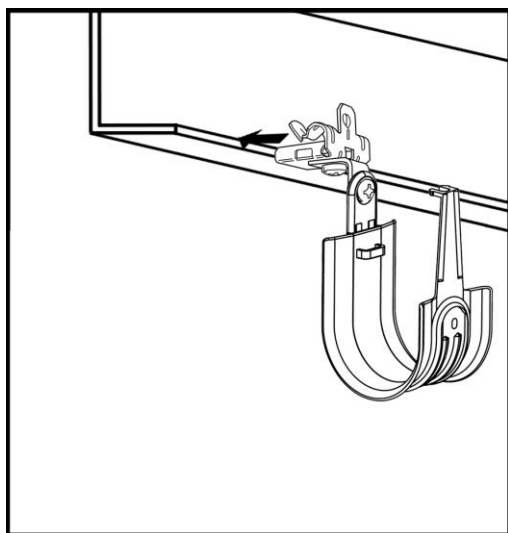


Fig.5

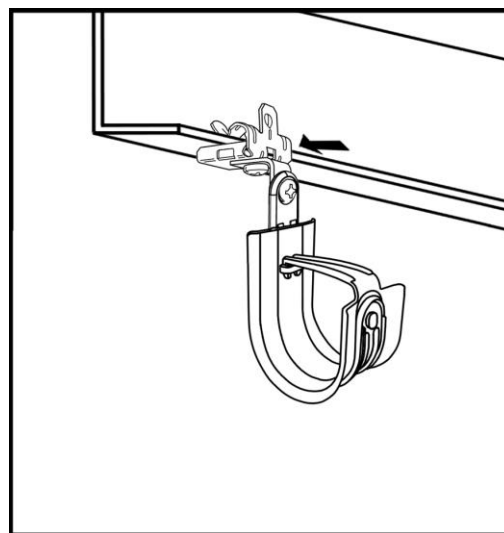


Fig.6

Mounting to a beam with a PBC pressed beam clamp: HPH16PBC, HPH16ACPBC, HPH32PBC, HPH32ACPBC, HPH48PBC, HPH48ACPBC, HPH64PBC and HPH64ACPBC

Secure a screw-on beam clamp to a flange using a 3/8" socket driver or wrench as shown in Fig.5, 6, 7 & 8 below. Tighten the bolt to 20 in-lb.

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

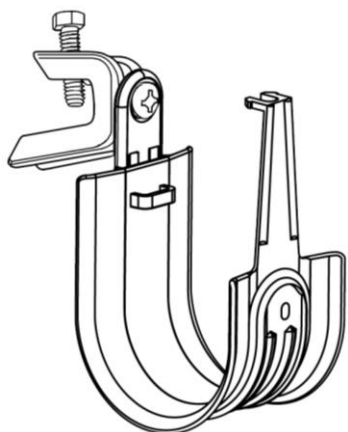


Fig.1

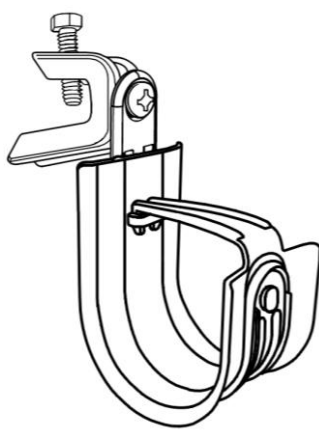


Fig.2

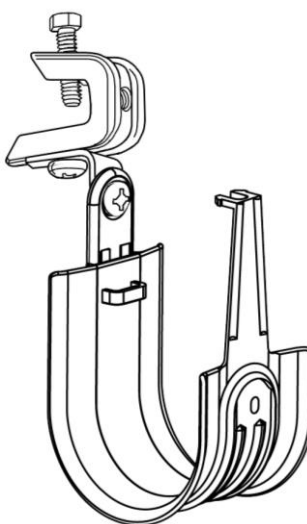


Fig.3

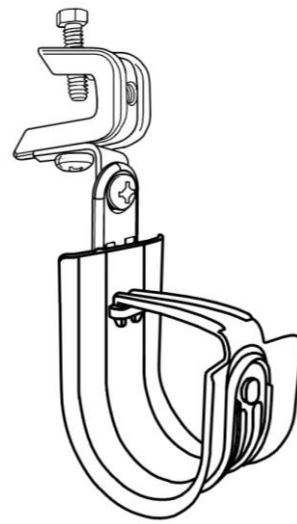


Fig.4

Part No.	Hook Size	Fig. No.	UL Load Rating LBS. N		Designed for flanges	Description
HPH16PBC	1"	1 & 2	20	88.96	1/8" - 1/2"	J Hook w/ beam clamp for flanges 1/8" - 1/2"
HPH16ACPBC	1"	3 & 4	20	88.96		J Hook w/ swivel beam clamp for flanges 1/8" - 1/2"
HPH32PBC	2"	1 & 2	17	75.62		J Hook w/ beam clamp for flanges 1/8" - 1/2"
HPH32ACPBC	2"	3 & 4	20	88.96		J Hook w/ swivel beam clamp for flanges 1/8" - 1/2"
HPH48PBC	3"	1 & 2	20	88.96		J Hook w/ beam clamp for flanges 1/8" - 1/2"
HPH48ACPBC	3"	3 & 4	20	88.96		J Hook w/ swivel beam clamp for flanges 1/8" - 1/2"
HPH64PBC	4"	1 & 2	17	75.62		J Hook w/ beam clamp for flanges 1/8" - 1/2"
HPH64ACPBC	4"	3 & 4	20	88.96		J Hook w/ swivel beam clamp for flanges 1/8" - 1/2"

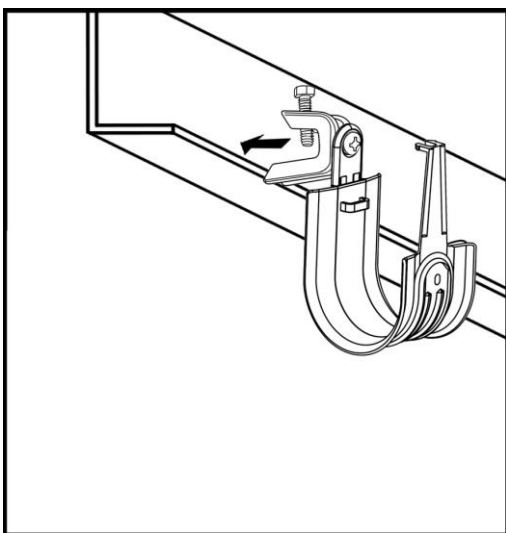


Fig.5

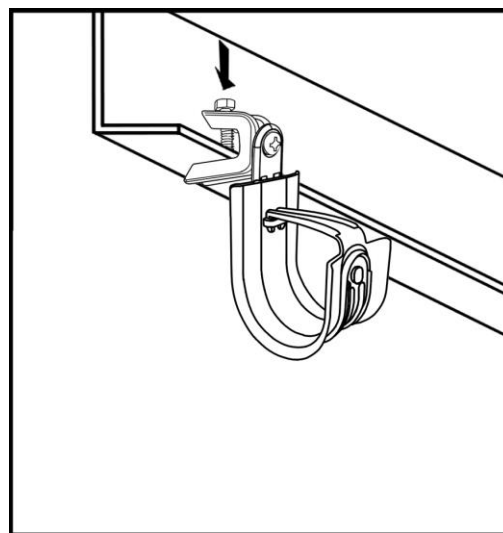


Fig.6

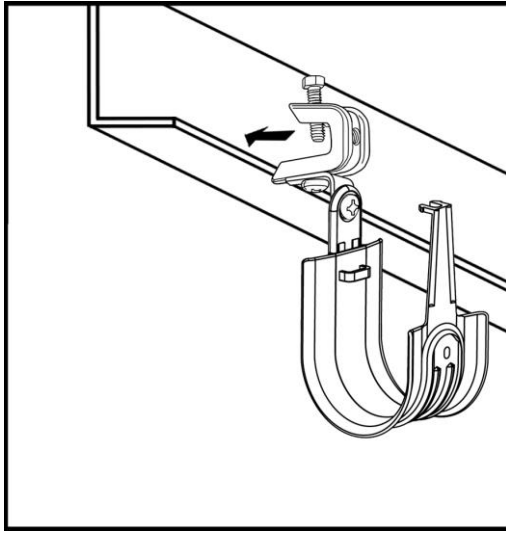


Fig.7

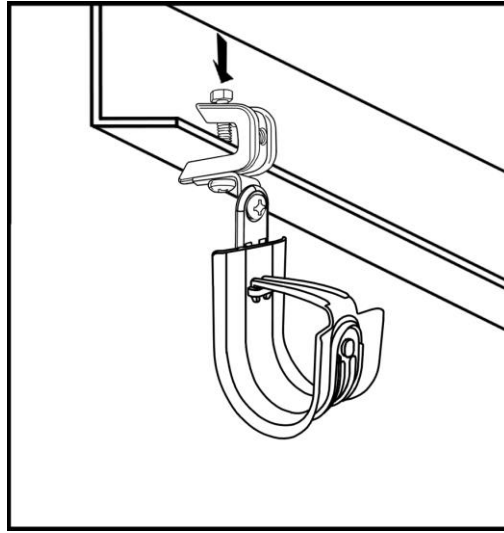


Fig.8

Mounting to a beam with an SSBC spring steel beam clamp: HPH16SSBC, HPH16ACSSBC, HPH32SSBC, HPH32ACSSBC, HPH48SSBC, HPH48ACSSBC, HPH64SSBC and HPH64ACSSBC

Secure a screw-on beam clamp to a flange using a 3/8" socket driver, wrench or Phillips head screw driver as shown in Fig. 5, 6, & 8 below. Tighten the bolt to 20 in-lb.

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

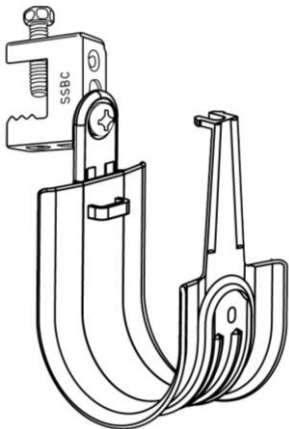


Fig.1

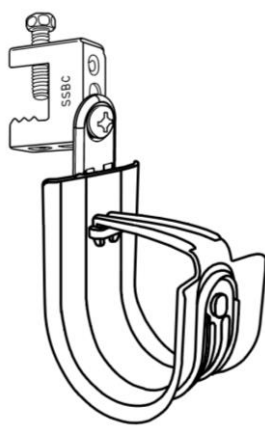


Fig.2

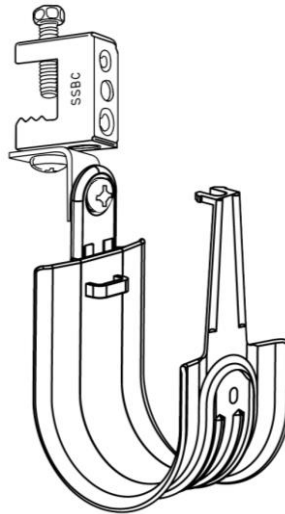


Fig.3

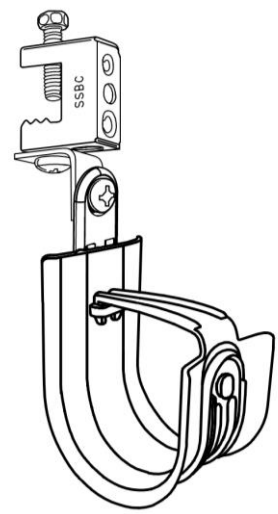


Fig.4

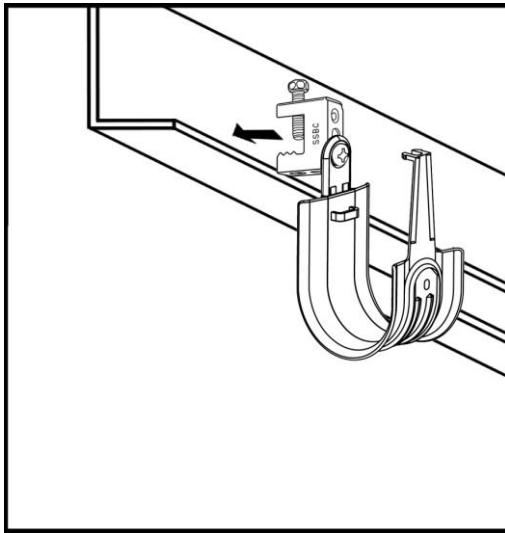


Fig.5

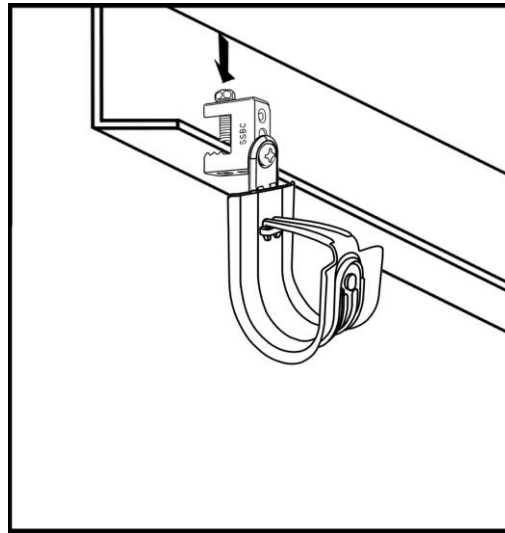


Fig.6

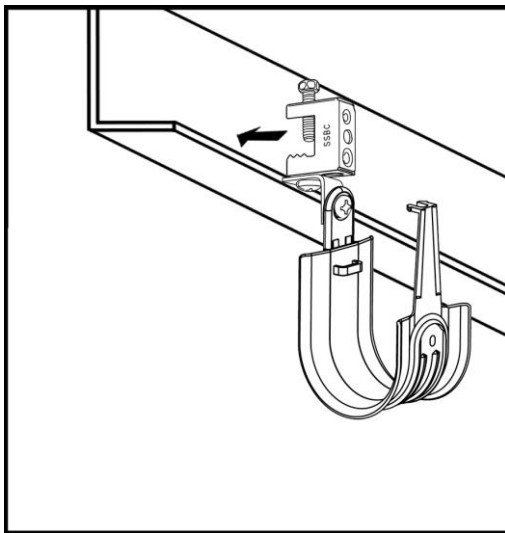


Fig.7

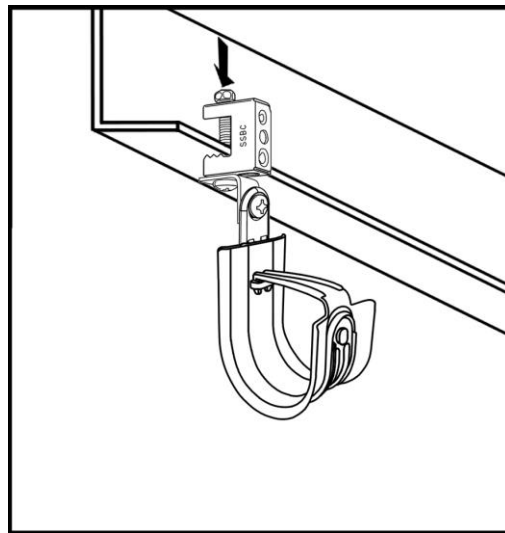


Fig.8

Part No.	Hook Size	Fig. No.	UL Load Rating LBS. N		Designed for flanges	Description
HPH16SSBC	1"	1 & 2	20	88.96	1/8" - 1/2"	J Hook w/ beam clamp for flanges 1/8" - 1/2"
HPH16ACSSBC	1"	3 & 4	20	88.96		J Hook w/ swivel beam clamp for flanges 1/8" - 1/2"
HPH32SSBC	2"	1 & 2	17	75.62		J Hook w/ beam clamp for flanges 1/8" - 1/2"
HPH32ACSSBC	2"	3 & 4	20	88.96		J Hook w/ swivel beam clamp for flanges 1/8" - 1/2"
HPH48SSBC	3"	1 & 2	20	88.96		J Hook w/ beam clamp for flanges 1/8" - 1/2"
HPH48ACSSBC	3"	3 & 4	20	88.96		J Hook w/ swivel beam clamp for flanges 1/8" - 1/2"
HPH64SSBC	4"	1 & 2	17	75.62		J Hook w/ beam clamp for flanges 1/8" - 1/2"
HPH64ACSSBC	4"	3 & 4	20	88.96		J Hook w/ swivel beam clamp for flanges 1/8" - 1/2"

Mounting to a joist with an ADOC14 or VOH14 spring steel joist clip: HPH16ADOC14, HPH16VOH14, HPH32ADOC14, HPH32VOH14, HPH48ADOC14, HPH48VOH14, HPH64ADOC14 and HPH64VOH14

Secure an ADOC14 spring steel “Z” purlin clip or a VOH14 “C” purlin clip to a joist using a hammer as shown in Fig. 5, 6, 7 & 8 below.

Note: The ADOC14 is designed for flanges 1/8” - 1/4” thick.

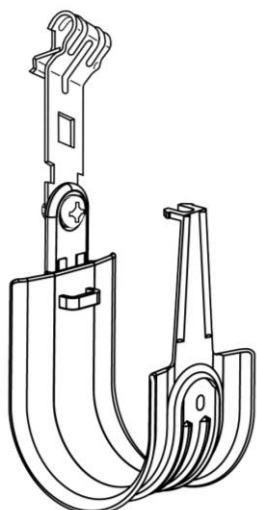


Fig.1

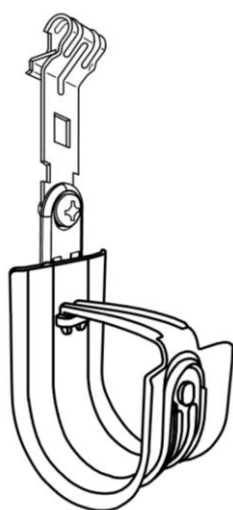


Fig.2

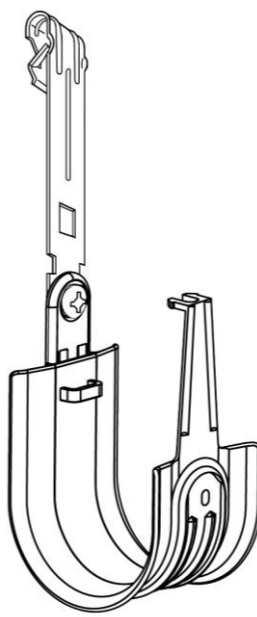


Fig.3

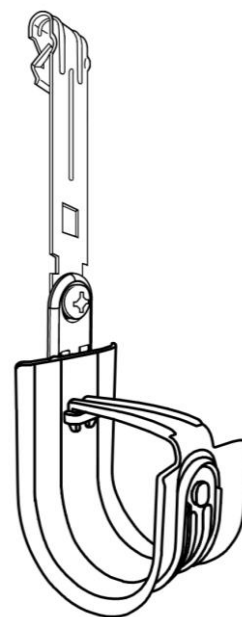


Fig.4

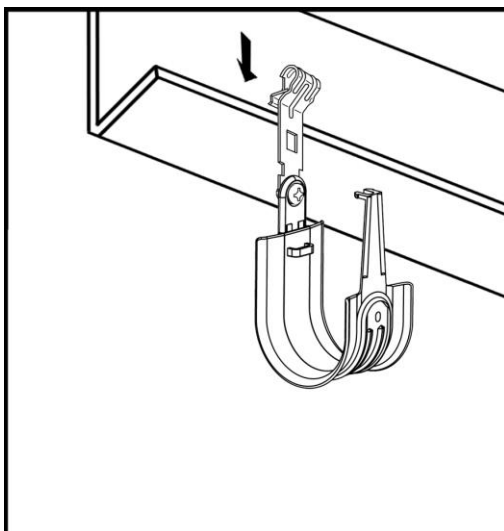


Fig.5

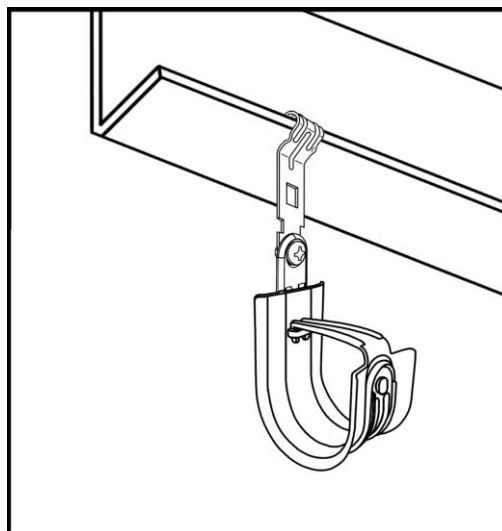


Fig.6

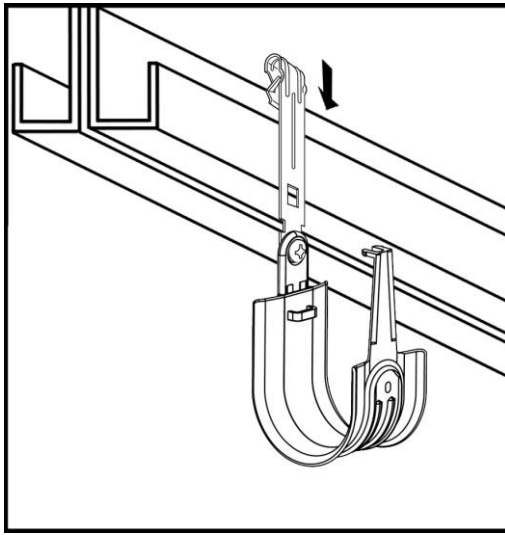


Fig.7

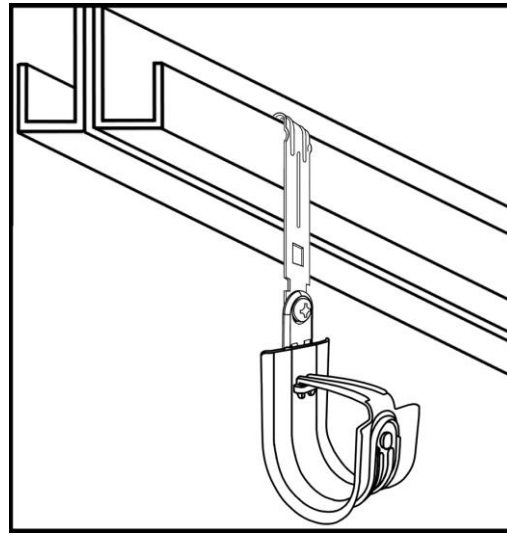


Fig.8

Part No.	Hook Size	Fig. No.	UL Load Rating LBS. N		Designed for flanges	Description
HPH16ADOC14	1"	1 & 2	20	88.96	1/8" - 1/4"	J-Hook w/ "Z" purlin clip for flanges 1/8" - 1/4" thick
HPH16VOH14	1"	3 & 4	20	88.96		J-Hook w/ "C" purlin clip for flanges 1/8" - 1/4" thick
HPH32ADOC14	2"	1 & 2	17	75.62		J-Hook w/ "Z" purlin clip for flanges 1/8" - 1/4" thick
HPH32VOH14	2"	3 & 4	17	75.62		J-Hook w/ "C" purlin clip for flanges 1/8" - 1/4" thick
HPH48ADOC14	3"	1 & 2	20	88.96		J-Hook w/ "Z" purlin clip for flanges 1/8" - 1/4" thick
HPH48VOH14	3"	3 & 4	20	88.96		J-Hook w/ "C" purlin clip for flanges 1/8" - 1/4" thick
HPH64ADOC14	4"	1 & 2	17	75.62		J-Hook w/ "Z" purlin clip for flanges 1/8" - 1/4" thick
HPH64VOH14	4"	3 & 4	17	75.62		J-Hook w/ "C" purlin clip for flanges 1/8" - 1/4" thick

Mounting to threaded rod with a female threaded eye coupling: HPH16EH, HPH32EH, HPH48EH and HPH64EH

Thread the eye coupling on to 1/4-20 threaded rod as shown in Fig. 3, 4 & 5 below.

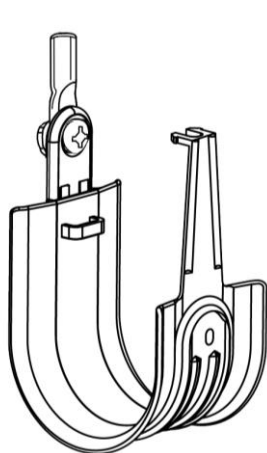


Fig.1

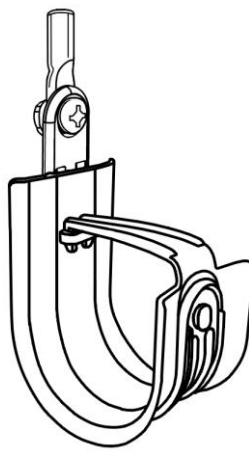


Fig.2

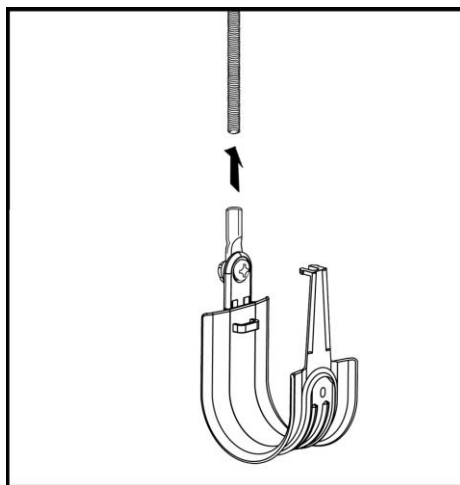


Fig.3

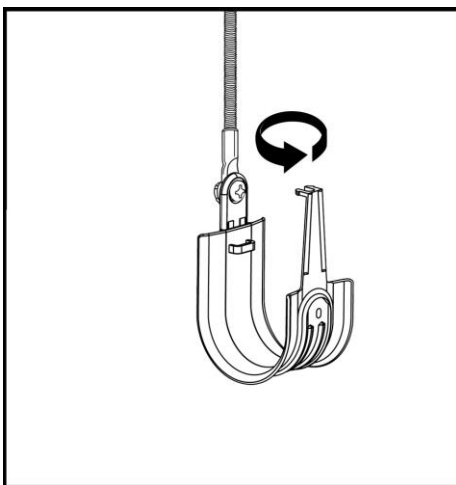


Fig.4

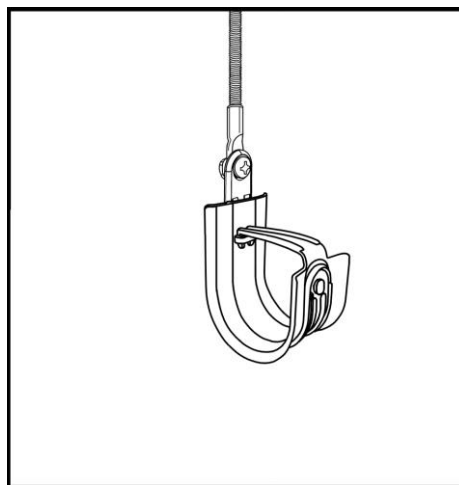


Fig.5

Part No.	Hook Size	Fig. No.	Load Rating LBS. N		Description
HPH16EH	1"	1 & 2	20	88.96	J-Hook assembled to 1/4-20 eye coupling
HPH32EH	2"		20	88.96	J-Hook assembled to 1/4-20 eye coupling
HPH48EH	3"		20	88.96	J-Hook assembled to 1/4-20 eye coupling
HPH64EH	4"		20	88.96	J-Hook assembled to 1/4-20 eye coupling

* Consult the manufacturer's instructions and load ratings before using on your application.

