















Flexible Fixture Hangers

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Flexible Fixture Hangers

UNILETS® for Use with Threaded Rigid Metal Conduit and IMC.

Applications

- Designed for suspension of HID, fluorescent and incandescent lighting fixtures.
- AL Series functions as combination conduit outlet box and hanger.
- JB, GS and AHG cushion hangers are enclosed and gasketed—ideal where dust and dampness are present.
- JB and GS hangers designed for use with JB and GS boxes.
- SSH heavy duty swivel hangers for mounting to outlet and concrete boxes.
- SHC fixture hanger covers for mounting to 3-1/4" and 4" octagonal boxes and 4" square boxes.

Features: All Hangers

- All fixture hangers protect fixture against wind and vibration damage.
- Cushion type for added protection where lighting fixtures are subjected to vibration.

Features: AL Series Hangers¹

- Dual function—conduit outlet box and fixture hanger.
- Choice of ball or cushion type.
- Swivel joint construction—allows 20° swing from vertical.
- Cushion style, with conical spring, supports up to 120 lbs.
- Cushion type has setscrew for locking fixture stem.
- Fixture and hanger stem can be wired at work bench.
- Connection block available for convenient wiring of fixture leads.

Features: JB and GS hangers²

- Mount directly to JB and GS cast conduit outlet boxes.
- Choice of ball or cushion type.
- Ball type permits 15° swing, cushion type 8° swing from vertical
- Cushion type is enclosed and gasketed.



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Features: AHG Hangers³

- Enclosed and gasketed.
- Neoprene diaphragm keeps moisture and dirt out of system.
- Cushion type—permits 8° swing from vertical.

Features: UNJ Hangers⁴

- Economical general purpose hanger.
- Permits 15° swing.

Features: GHP Receptacle Hangers⁵

- Permit quick disconnect and removal of fixture for maintenance.
- Includes 120/208/240, or 277 or 480 volt receptacle, EFHM safety lock, FS box and steel cover.
- Covers have stainless steel screws.
- Available in pendant or feed-thru.
- Available with matching cord set—see Catalog Section R.

Features: FH/FHSN/EF Hook and Loop Hangers⁶

- Malleable iron for strength and safety.
- Hook and loop combination permits quick disconnect and removal of fixture for maintenance.
- Offer inexpensive means of pendant flexible suspension of lighting fixtures.
- Permit free swing in any direction.
- EF and FHSN jaw openings can be completely closed for added safety.

Features: FHS Support Hangers⁷

- Provide up to 350 lbs. support for fluorescent fixtures on the non-electrical side of mounting.
- Straddle a maximum of 1-1/4" conduit and take 1/2" or 3/4" fixture hook or conduit.

Features: SSH Hangers⁸

- Heavy duty—support fixtures up to 50 lbs.
- Steel plate serves as cover for outlet or concrete box.
- Ball type swivel joint permits 20° swing from vertical.

Features: SHC Hangers⁹

- Ball type swivel joint permits 20° swing from vertical.
- Support fixtures with a maximum weight of 50 lbs.

Standard Materials

- *AL and GHP series hangers*; malleable iron with steel cover.
- *JB, GS and AHG fixture hangers*; malleable iron.
- *UNJ fixture hangers*: malleable iron and steel.
- *FH and EF hooks and loops and FHS dummy support*: malleable iron.
- *SSH heavy duty outlet box swivel hangers*: malleable iron and steel.
- *SHC outlet box swivel hanger covers*: steel and malleable iron.

Standard Finishes

- *AL and GHP series hangers*: malleable iron parts, triple-coat—(1) zinc electroplate, (2) dichromate, and (3) epoxy powder coat; steel parts, zinc electroplate.
- *GS and AHG*: triple-coat—(1) zinc electroplate, (2) dichromate, and (3) epoxy powder coat.
- *UNJ*: malleable iron and steel parts, zinc electroplate and clear chromate.
- *JB series, FH/EF hooks and loops and FHS dummy support*: zinc electroplate and clear chromate.
- *SSH heavy duty and SHC outlet box swivel hangers*: malleable iron and steel parts, zinc electroplate and clear chromate.

Compliances

- *JB, GS and AHG cushion type hangers* suitable for classified location use in Class I, Division 2 areas, if installed in compliance with NEC 501-9(b).
- Appleton malleable iron products conform to ASTM A47-77, Grade 32510, which has the following properties: tensile strength, 50,000 psi; yield, 32,000 psi; and elongation, 10%.
- Appleton aluminum products are produced from a high strength copper-free (4/10 of 1% max.) alloy.

Product Cross-Reference





- Other classified location fixture hangers are listed in Catalog Section H.

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AL Flexible Fixture Hangers: Ball and Cushion; Malleable Iron

UNILETS® for Use with Threaded Rigid Metal Conduit and IMC.
Ball Joint Permits 20° Swing.





E

	Conduit Size (Inches)	Fixture Stem Size (Inches)	Support Wt., Lbs. and (Kilograms)	Catalog Number
 <p>Ball</p>	ALA—Ball Hanger			
	1/2	1/2		ALA50-B
	3/4	1/2	250 lbs. (112.5 kg)	ALA7550-B
	3/4	3/4		ALA75-B
 <p>Cushion</p>	ALA—Cushion Hanger <i>Furnished with a 3/4" to 1/2" reducer for 1/2" stems.</i>			
	1/2	3/4 or 1/2	3 to 12 lbs. (1.4 to 5.4 kg)	ALA50-12
	3/4	3/4 or 1/2		ALA7575-12
	1/2	3/4 or 1/2	12 to 48 lbs. (5.4 to 21.6 kg)	ALA50-48
	3/4	3/4 or 1/2		ALA7575-48
	1/2	3/4 or 1/2	48 to 120 lbs. (21.6 to 54.0 kg)	ALA50-120
	3/4	3/4 or 1/2		ALA7575-120
 <p>Ball</p>	ALC—Ball Hanger			
	1/2	1/2	250 lbs. (112.5 kg)	ALC50-B
	3/4	1/2		ALC7550-B
	1	1/2		ALC1050-B
	3/4	3/4		ALC75-B
	1	3/4		ALC1075-B
 <p>Cushion</p>	ALC—Cushion Hanger <i>Furnished with a 3/4" to 1/2" reducer for 1/2" stems.</i>			
	1/2	3/4 or 1/2		ALC50-12
	3/4	3/4 or 1/2	3 to 12 lbs. (1.4 to 5.4 kg)	ALC7575-12
	1	3/4 or 1/2		ALC1075-12
	1/2	3/4 or 1/2		ALC50-48
	3/4	3/4 or 1/2	12 to 48 lbs. (5.4 to 21.6 kg)	ALC7575-48
	1	3/4 or 1/2		ALC1075-48
	1/2	3/4 or 1/2		ALC50-120
	3/4	3/4 or 1/2	48 to 120 lbs. (21.6 to 54.0 kg)	ALC7575-120
	1	3/4 or 1/2		ALC1075-120

AL Flexible Fixture Hangers: Ball and Cushion; Malleable Iron






UNILETS® for Use with Threaded Rigid Metal Conduit and IMC.
Ball Joint Permits 20° Swing.

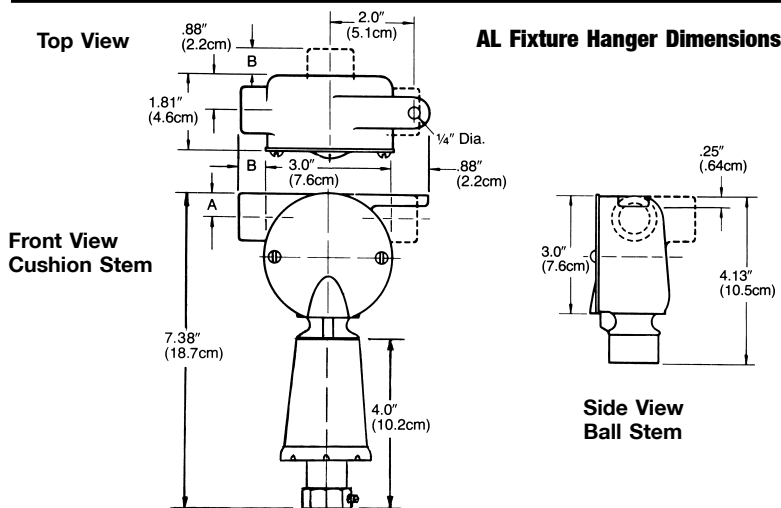


		Conduit Size (Inches)	Fixture Stem Size (Inches)	Support Wt., Lbs. and (Kilograms)	Catalog Number
Ball		ALL—Ball Hanger			
		1/2	1/2		ALL50-B
		3/4	1/2	250 lbs.	ALL7550-B
		3/4	3/4	(112.5 kg)	ALL75-B
Cushion		ALL—Cushion Hanger			
		<i>Furnished with a 3/4" to 1/2" reducer for 1/2" stems.</i>			
		1/2	3/4 or 1/2	3 to 12 lbs.	ALL50-12
		3/4	3/4 or 1/2	(1.4 to 5.4 kg)	ALL7575-12
		1/2	3/4 or 1/2	12 to 48 lbs.	ALL50-48
		3/4	3/4 or 1/2	(5.4 to 21.6 kg)	ALL7575-48
		1/2	3/4 or 1/2	48 to 120 lbs.	ALL50-120
		3/4	3/4 or 1/2	(21.6 to 54.0 kg)	ALL7575-120
Ball		ALT—Ball Hanger			
		1/2	1/2	250 lbs.	ALT50-B
		3/4	1/2	(112.5 kg)	ALT7550-B
		1	1/2		ALT1050-B
		3/4	3/4		ALT75-B
		1	3/4		ALT1075-B
Cushion		ALT—Cushion Hanger			
		<i>Furnished with a 3/4" to 1/2" reducer for 1/2" stems.</i>			
		1/2	3/4 or 1/2	3 to 12 lbs.	ALT50-12
		3/4	3/4 or 1/2	(1.4 to 5.4 kg)	ALT7575-12
		1	3/4 or 1/2		ALT1075-12
		1/2	3/4 or 1/2	(12 to 48 lbs.	ALT50-48
		3/4	3/4 or 1/2	(5.4 to 21.6 kg)	ALT7575-48
		1	3/4 or 1/2		ALT1075-48
		1/2	3/4 or 1/2	48 to 120 lbs.	ALT50-120
		3/4	3/4 or 1/2	(21.6 to 54.0 kg)	ALT7575-120
		1	3/4 or 1/2		ALT1075-120

AL Flexible Fixture Hanger Parts and AL Dimensions

UNILETS® for Use with Threaded Rigid Metal Conduit and IMC.

	Size	Conduit Size (Inches)	Support Weight	Catalog Number
AL—Hanger Bodies				
	ALA	1/2 3/4		ALA50 ALA75
	ALC	1/2 3/4 1		ALC50 ALC75 ALC100
	ALL	1/2 3/4	(Refer to Cushion and Ball Fixture Stems below)	ALL50 ALL75
	ALT	1/2 3/4 1		ALT50 ALT75 ALT100
AL—Ball Fixture Stem				
		1/2 3/4	250 lbs. (112.5 kg)	BJ50 BJ75
AL—Cushion Fixture Stems				
	<i>Fixture stem tapped for 3/4"; 3/4" to 1/2" reducer furnished for 1/2" stems.</i>			
	<i>With setscrew for locking fixture stem.</i>			
		3/4 or 1/2 3/4 or 1/2 3/4 or 1/2	3-12 lbs. (1.4-5.4 kg) 12-48 lbs. (5.4-21.6 kg) 48-120 lbs. (21.6-54.0 kg)	CJC75-12 CJC75-48 CJC75--120
AL—Porcelain Connection Block				
	2 Wire, 20 Amp, 277 Volt Maximum Wire Size Two No. 10 AWG Large Terminal Two No. 14 AWG Small Terminal			CB202



Conduit Trade Size	Dim. in Inches		Dim. in Centimeters	
	A	B	A	B
1/2"	.56	.69	1.4	1.8
3/4"	.69	.69	1.8	1.8
1"	.88	.81	2.2	2.1

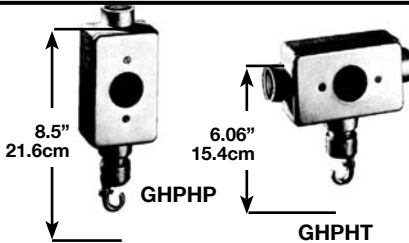
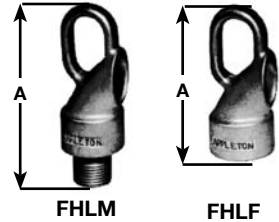
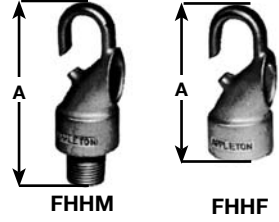
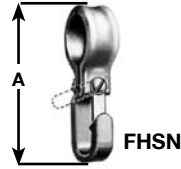
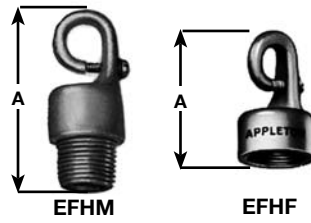

Flexible Fixture Hangers: JB, GS, AHG and UNJ; Malleable Iron

UNILETS® for Use with Threaded Rigid Metal Conduit and IMC.
Ball Type, 15° Swing; Cushion Type, 8° Swing.

	Fixture Stem Size (Inches)	Male Nipple Size (Inches)	Length A	Support Wt., Lbs. and (Kilograms)	Catalog Number
JB—Fixture Hanger Covers					
Ball	For use with JBX, JBDX and JBLX bodies. (Section A) Furnished with gasket and screws.				
	Ball Type				
	1/2		2.56" (6.5cm)	250 lbs. (113 kg)	JBK-50-BS JBK-75-BS
	3/4		2.56" (6.5cm)		
Cushion	Cushion Type—enclosed and gasketed. Cushions 40 lbs. (18.0 kg).				
	1/2		1.63" (4.1cm)	40 lbs. (18 kg)	JBK-50-CS JBK-75-CS
	3/4		1.63" (4.1cm)		
GS—Fixture Hanger Covers (Form 20)					
Ball	For use with GS and GSU bodies. (Section A) Furnished with gasket and screws.				
	Ball Type				
	1/2		3.00" (7.6cm)	250 lbs. (113 kg)	GSK-50-20B GSK-75-20B
	3/4		3.25" (8.2cm)		
Cushion	Cushion Type—enclosed and gasketed. Cushions 40 lbs. (18.0 kg).				
	1/2		2.00" (5cm)	40 lbs. (18 kg)	GSK-50-20C GSK-75-20C
	3/4		2.00" (5cm)		
AHG—Fixture Hangers					
Cushion	Cushion Type—enclosed and gasketed. Cushions 40 lbs. (18.0 kg).				
	1/2	1.2	3.19" (8.1cm)	40 lbs. (18 kg)	AHG5050 AHG7550 AHG7575
	1/2	3/4	3.19" (8.1cm)		
	3/4	3/4	3.19" (8.1cm)		
UNJ—Fixture Hangers					
Ball	Malleable iron and steel.				
	Ball Type				
	1/2	1/2	4.00" (10.2cm)	120 lbs. (54.0 kg)	UNJ-50 UNJ-75
	3/4	3/4	4.00" (10.2cm)		

Flexible Fixture Hangers: Receptacle and Hook and Loop; Malleable Iron

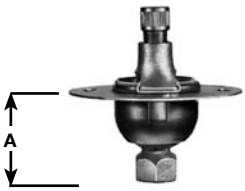
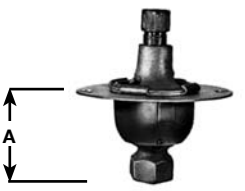
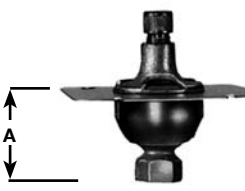
UNILETS® for Use with Threaded Rigid Metal Conduit and IMC.

		Conduit Hub Size (Inches)	Voltage	Takes Hubbell Plug	Catalog Number	
 <p>GHPHP and GHPHT—Receptacle Hangers Furnished with assembled FS box, EFHM, safety lock, receptacle, and steel cover. Supports 200 lbs.</p>						
		3/4	120	L5-15P	Pendant GHPHP12	Feed-Thru GHPHT12
		3/4	208,240	L6-15P	GHPHP24	GHPHT24
		3/4	277	L7-15P	GHPHP27	GHPHT27
		3/4	480	L8-20P	GHPHP48	GHPHT48
		Size (Inches)	Length A	Support Wt., Lbs. and (Kilograms)	Catalog Number	
 <p>FH—Hanger Loops With 5/8" diameter wireway.</p>						
		FHLM—Male				
		1/2	3.88" (9.2cm)	350 lbs. (157.5 kg)	FHLM-50	
		3/4	4.13" (10.5cm)		FHLM-75	
		FHLF—Female				
		1/2	3.25" (8.3cm)	350 lbs. (157.5 kg)	FHLF-50	
		3/4	3.25" (8.3cm)		FHLF-75	
 <p>FH—Hanger Hooks With 5/8" diameter wireway, 3/8" jaw opening.</p>						
		FHMM—Male				
		1/2	3.88" (9.8cm)	200 lbs. (90.0 kg)	FHMM-50	
		3/4	4.13" (10.5cm)		FHMM-75	
		FHFF—Female				
		1/2	3.25" (8.3cm)	200 lbs. (90.0 kg)	FHFF-50	
		3/4	3.25" (8.3cm)		FHFF-75	
 <p>FHSN—Conduit Suspension Hanger With safety strap—clamps around rigid conduit or IMC. Has 3/8" jaw opening.</p>						
		1/2	3.13" (7.9cm)	150 lbs. (67.5 kg)	FHSN-50	
		3/4	3.25" (8.3cm)		FHSN-75	
		1	3.38" (8.6cm)		FHSN-100	
 <p>EF—Safety Support Hooks With 3/8" jaw opening.</p>						
		EFHM—Male				
		1/2	2.63" (6.7cm)	200 lbs. (90.0 kg)	EFHM-50	
		3/4	2.94" (7.5cm)		EFHM-75	
		EFHF—Female				
		1/2	2.00" (5.1cm)	200 lbs. (90.0 kg)	EFHF-50	
		3/4	2.05" (5.2cm)		EFHF-75	
 <p>FHS—Support for Fixtures, Dummy Side Straddles up to 1-1/4 trade size conduit. 11/32" diameter mounting holes, spaced 3-1/4" apart.</p>						
		1/2 or 3/4	3.31" (8.4cm)	350 lbs. (157.5 kg)	FHS5075	

SSH Flexible Fixture Hangers: Heavy Duty Outlet Box Swivel

UNILETS® for Use with Threaded Rigid Metal Conduit and IMC.
Ball Joint Swivel Permits 20° Swing.



	Fixture Stem Size (Inches)	Fixture Stud Size (Inches)	Length A	Support Wt., Lbs. and Kilograms	Catalog Number
 <p>Concrete Box Safety Swivel Hanger For Concrete Box 2-1/2" to 4" Deep</p>	1/2	3/8	2.19 (5.6cm)	50 lbs. (22.5 kg)	11360
 <p>Octagonal Box Safety Swivel Hanger For 4" Octagonal Box 1-1/2" or 2-1/8" Deep</p>	1/2	3/8	2.19 (5.6cm)	50 lbs. (22.5 kg)	11355
 <p>Square Box Safety Swivel Hanger For 4-11/16" Square Box 1-1/2" or 2-1/8" Deep</p>	1/2	3/8	2.19 (5.6cm)	50 lbs. (22.5 kg)	11362



Cat. No. 11360 Safety Swivel Hanger installed in OCR3-1/2 Concrete Box with OCP3/8 Plate





Cat. No. 11362 Safety Swivel Hanger installed in a 4-11/16" Square Box shown with NBFS-38 (not included)

Industrial lighting installations often employ the use of extra heavy fixtures requiring a properly anchored swivel attachment, assuring positive safety to carry the necessary weight. In the Type "SSH" Safety Swivel Hanger, the weight of the entire suspended unit is borne by a fixture stud instead of relying upon the screws and screw ears of the box or ring for support. The "SSH" hanger is furnished with a steel plate to serve as a cover for the 4" Concrete, Octagonal, and 4-11/16" Square boxes.

SHC Flexible Fixture Hangers: Outlet Box Mounted Series

UNILETS® for Use with Threaded Rigid Metal Conduit and IMC.

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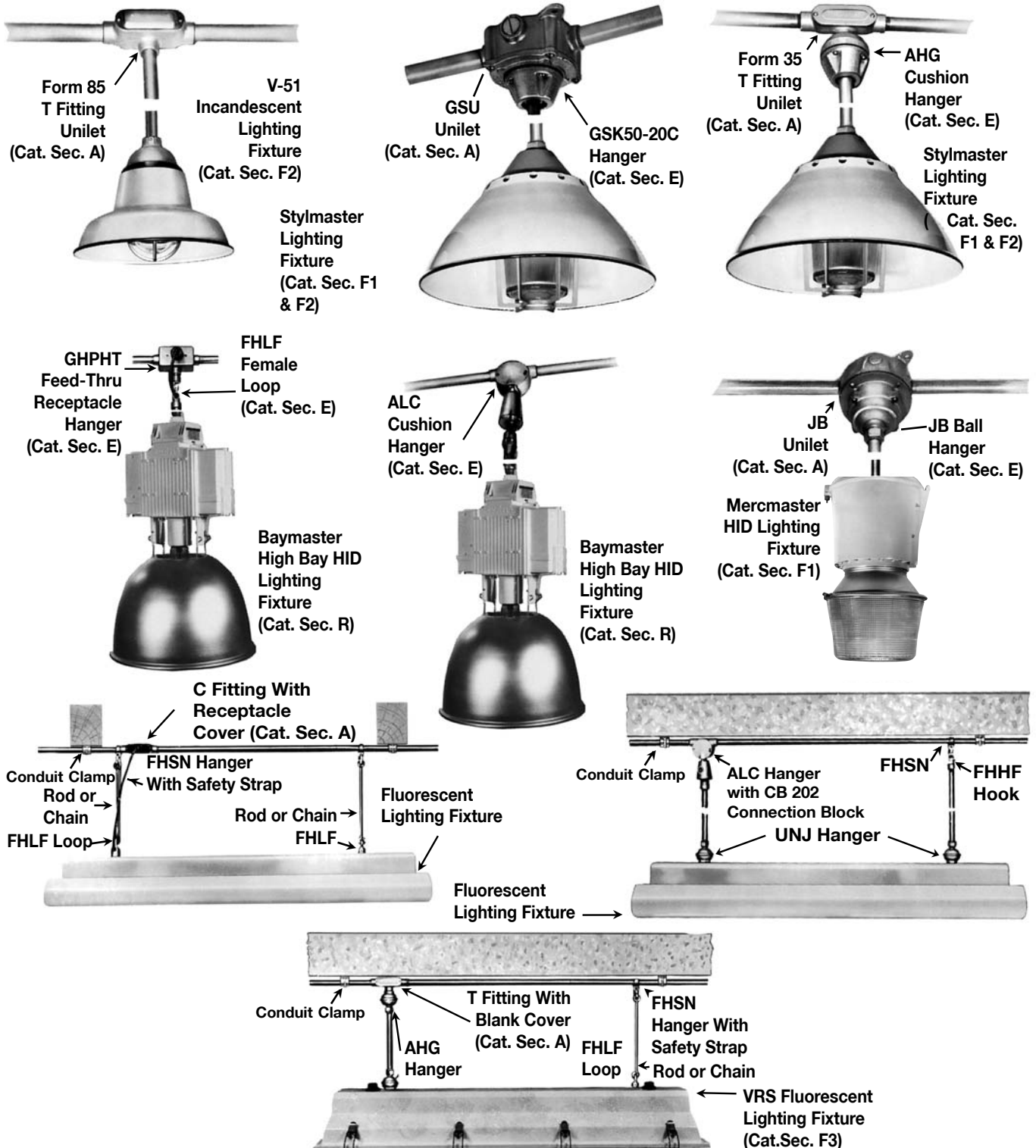
	Fixture Stem Size (Inches)	Length A	Support Wt., Lbs. and (Kilograms)	Catalog Number
SHC Ball Type Swivel Hanger Covers				
Permit 20° swing from vertical.				
For 3-1/4" and 4" Octagonal Boxes				
	1/2"	1.75" (4.5cm)	50 lbs. (22.5kg)	8438R
	3/4"	2.00" (5.1cm)	50 lbs. (22.5kg)	8436R
For 4" Square Boxes				
	1/2"	1.75" (4.5cm)	50 lbs. (22.5kg)	8458R
	3/4"	2.00" (5.1cm)	50 lbs. (22.5kg)	8456R
(Boxes located in OB/SB-1)				



Ball Type Swivel Fixture Hanger Covers shown with octagonal and with square stamped steel outlet boxes.

Typical installations using Appleton Fixture Hanger and Mounting Unilets

Pendant Suspension of HID, Incandescent and Fluorescent Industrial Lighting Fixtures.



Fixture Hanger Bracket and Accessories

UNILETS® for use with Threaded Metal Conduit.

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	Size (Inches)	Support Wt. Lbs. and Kilograms	Catalog Number
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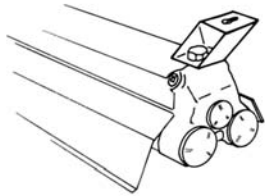
Fixture Hanger Brackets

Suitable for use with Fixtures with 3/4-14 NPT conduit openings or hubs. Mounts directly to ceiling or wall separately from conduit system. Catalog number includes two brackets and two hexhead bolts. Iron with gray epoxy finish.

1/2

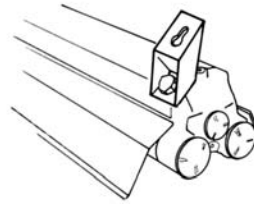
200 lbs. (90.0 kg)

FHS1



Ceiling Mount

Projects light downward (90°). Shown mounted to Appleton EFU Series, 2 lamp explosionproof fluorescent lighting fixture.



Wall Mount

Projects light at 45° angle. Shown mounted to Appleton EFU Series, 2 lamp explosionproof fluorescent lighting fixture.



Installation View

Safety Support Hooks and Rigid Support for Dummy Side of Lighting Fixtures

Complete assembly includes two hooks and one rigid support. Each hook supplied with a screw for closing 3/8" jaw opening. Rigid Support straddles max. 1-1/4" conduit. (Chain shown in installation view not furnished.)

1/2

200 lbs. (90.0 kg)

ACKT

Dimensions of FHS1 Fixture Hanger Bracket

