

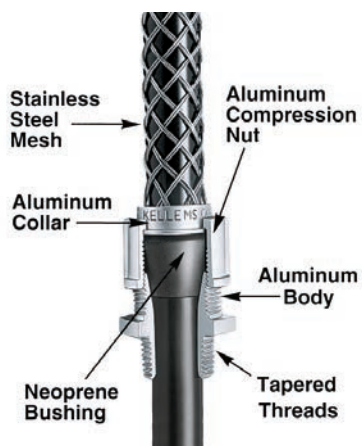


**IMPORTANT**

Read all breaking strength, safety and technical data relating to this product. Pages V-69 to V-76.

**Straight Male Thread**

NPT Thread Size Inches	Grip Diameter Range		Form Size	Catalog Number
	Inches	(cm)		
3/8	.250"-.312"	(.63-.79)	F1	<b>07401001</b>
	.312"-.375"	(.79-.95)		<b>07401002</b>
	.375"-.437"	(.95-1.11)		<b>07401003</b>
1/2	.187"-.250"	(.47-.63)	F2	<b>07401004</b>
	.250"-.375"	(.63-.95)		<b>07401006</b>
	.375"-.500"	(.95-1.27)		<b>07401008</b>
1/2	.500"-.625"	(1.27-1.59)	F3	<b>07401010</b>
	.625"-.750"	(1.59-1.90)		<b>074011247*</b>
	.750"-.875"	(1.90-2.22)		<b>074011248*</b>
3/4	.187"-.250"	(.47-.63)	F2	<b>07401011</b>
	.250"-.375"	(.63-.95)		<b>07401013</b>
	.375"-.500"	(.95-1.27)		<b>07401015</b>
3/4	.500"-.625"	(1.27-1.59)	F3	<b>07401017</b>
	.625"-.750"	(1.59-1.90)		<b>07401018</b>
	.750"-.875"	(1.90-2.22)		<b>074011249*</b>
1	.375"-.500"	(.95-1.27)	F4	<b>074011195</b>
	.500"-.625"	(1.27-1.59)		<b>07401019</b>
	.625"-.750"	(1.59-1.90)		<b>07401021</b>
1	.750"-.875"	(1.90-2.22)	F5	<b>07401023</b>
	.875"-.1.000"	(2.22-2.54)		<b>07401025</b>
	1.000"-.1.125"	(2.54-2.86)		<b>074011250*</b>
1	1.125"-.1.250"	(2.86-3.17)	F5	<b>074011028*</b>
	1.250"-.1.375"	(3.17-3.49)		<b>074011029*</b>
	.750"-.875"	(1.90-2.22)		<b>074011251</b>
1 1/4	.875"-.1.000"	(2.22-2.54)	F5	<b>07401026</b>
	1.000"-.1.125"	(2.54-2.86)		<b>07401027</b>
	1.125"-.1.250"	(2.86-3.17)		<b>07401028</b>
1 1/4	1.250"-.1.375"	(3.17-3.49)	F5	<b>074011178*</b>
	.750"-.875"	(1.90-2.22)		<b>074011252</b>
	.875"-.1.000"	(2.22-2.54)		<b>07401029</b>
1 1/2	1.000"-.1.125"	(2.54-2.86)	F5	<b>07401030</b>
	1.125"-.1.250"	(2.86-3.17)		<b>07401031</b>
	1.250"-.1.375"	(3.17-3.49)		<b>07401032</b>
1 1/2	1.312"-.1.437"	(3.33-3.65)	F6	<b>074011253</b>
	1.437"-.1.562"	(3.65-3.97)		<b>074011254*</b>
	1.562"-.1.687"	(3.97-4.28)		<b>074011255*</b>
1 1/2	1.687"-.1.812"	(4.28-4.60)	F6	<b>074011256*</b>
	1.750"-.1.875"	(4.44-4.76)		<b>074011257*</b>
	1.250"-.1.375"	(3.17-3.49)		<b>074011258</b>
2	1.312"-.1.437"	(3.33-3.65)	F6	<b>074011259</b>
	1.437"-.1.562"	(3.65-3.97)		<b>07401033</b>
	1.562"-.1.687"	(3.97-4.28)		<b>07401034</b>
2	1.687"-.1.812"	(4.28-4.60)	F7	<b>07401035</b>
	1.750"-.1.875"	(4.44-4.76)		<b>074011260</b>
	1.812"-.1.937"	(4.60-4.92)		<b>074011261</b>
2	1.937"-.2.062"	(4.92-5.24)	F7	<b>074011262*</b>
	2.062"-.2.187"	(5.24-5.55)		<b>074011263*</b>
	2.187"-.2.312"	(5.55-5.87)		<b>074011264*</b>
2	2.312"-.2.437"	(5.87-6.19)	F7	<b>074011265*</b>
	1.688"-.1.812"	(4.29-4.60)		<b>074011030</b>
	1.812"-.1.937"	(4.60-4.92)		<b>074011031</b>
2 1/2	1.937"-.2.062"	(4.92-5.24)	F7	<b>074011032</b>
	2.062"-.2.187"	(5.24-5.55)		<b>074011033</b>
	2.187"-.2.312"	(5.55-5.87)		<b>074011034</b>
2 1/2	2.312"-.2.437"	(5.87-6.19)	F7	<b>074011266*</b>
	1.937"-.2.062"	(4.92-5.24)		<b>074011036</b>
	2.062"-.2.187"	(5.24-5.55)		<b>074011037</b>
3	2.187"-.2.312"	(5.55-5.87)	F7	<b>074011038</b>
	2.312"-.2.437"	(5.87-6.19)		<b>074011039</b>
	2.437"-.2.625"	(6.19-6.67)		<b>074011186</b>
3	2.625"-.2.812"	(6.67-7.14)	F8	<b>074011187</b>
	2.812"-.3.000"	(7.14-7.62)		<b>074011188</b>
	3.000"-.3.250"	(7.62-8.25)		<b>074011189*</b>



Note: Kellems® Deluxe Cord Grips are suitable for use in hazardous locations per Class I Div. 2, Class II Div. 1 & 2, Class III Div. 1 & 2 of the National Electric Code Sections 501.10(b)(2), 502.10(a)(2), 502.10(b)(2), 503.10(a)(2) and 503.10(b).  
\*Cable jacket may have to be stripped to pass through connector body.



### Thread Adapters for Multi-Pin Connectors

Kellems® Thread Adapters are devices formatting AN-MS connectors and other multi-pin connectors to Kellems grips with NPT threaded fittings. They are made of aluminum with internal threads and replace the connector cord clamp. These adapters permit the installation of Kellems Grips, to prevent cable or conduit pull-out and control arc-of-bend.

### Applications

Thread adapters allow the installation of Kellems® Grips on multi-pin connectors at electrical consoles, mobile equipment, control switches, assembly equipment and testing machines.

### Benefits

- Easy installation.
- Allows the use of Kellems grips.
- Extends connector and cable life.

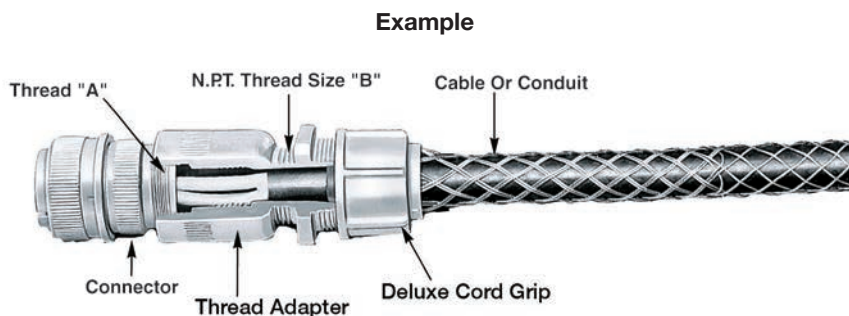
### Thread Adapters for Multi-Pin Connectors

Thread Adapters					Deluxe Cord Grips		Strain Relief Grips		Liquidtight Conduit Grips (Insulated Throat)
AN-MS Connector Size**	AN-MS Cable Clamp Number***	Thread Size A Inch	NPT Thread Size B	Catalog Number	Cable Diameter Range Inches (cm)	Catalog Number	Cable Diameter Range Inches (cm)	Catalog Number	Catalog Number
8S, 10S	3057-3	½" x 28"	⅜	<b>091041000</b>	.250"-.312" (.63-.79)	<b>07401001</b>			
10SL, 12, 12S	3057-4	⅝" x 24"		<b>091041001</b>	.312"-.375" (.79-.95)	<b>07401002</b>			
14, 14S	3057-6	¾" x 20"		<b>091041002</b>	.375"-.437" (.95-1.11)	<b>07401003</b>			
14, 14S	3057-6	¾" x 20"	½	<b>091041003</b>	.187"-.250" (.47-.63)	<b>07401004</b>	.24"-.32" (.61-.81)	<b>073031200</b>	—
16, 16S	3057-8	⅞" x 20"		<b>091041004</b>	.250"-.375" (.63-.95)	<b>07401006</b>	.32"-.43" (.81-1.09)	<b>073031201</b>	<b>074093512</b>
18	3057-10	1" x 20"		<b>091041006</b>	.375"-.500" (.95-1.27)	<b>07401008</b>	.43"-.54" (1.09-1.37)	<b>073031202</b>	—
16, 16S	3057-8	⅞" x 20"	¾	<b>091041005</b>	.187"-.250" (.47-.63)	<b>07401011</b>	.54"-.74" (1.37-1.85)	<b>073031203</b>	<b>074093513</b>
18	3057-10	1" x 20"		<b>091041007</b>	.250"-.375" (.63-.95)	<b>07401013</b>			
20, 22	3057-12	1¼" x 18"		<b>091041008</b>	.375"-.500" (.95-1.27)	<b>07401015</b>			
		1½" x 18"			.500"-.625" (1.27-1.59)	<b>07401017</b>			
				.625"-.750" (1.59-1.90)	<b>07401018</b>				
20, 22	3057-12	1¼" x 18"	1	<b>091041009</b>	.375"-.500" (.95-1.27)	<b>074011195</b>	.73"-.97" (1.85-2.46)	<b>073031204</b>	<b>074093514</b>
24, 28	3057-16	1⅞" x 18"		<b>091041010</b>	.500"-.625" (1.27-1.59)	<b>07401019</b>			
32	3057-20	1¾" x 18"		<b>091041012</b>	.625"-.750" (1.59-1.90)	<b>07401021</b>			
36	3057-24	2" x 18"		<b>091041015</b>	.750"-.875" (1.90-2.22)	<b>07401023</b>			
				.875"-.1.000" (2.22-2.54)	<b>07401025</b>				
24, 28	3057-16	1⅞" x 18"	1¼	<b>091041011</b>	.750"-.875" (1.90-2.22)	<b>074011251</b>	.97"-.1.25" (2.46-3.17)	<b>073031205</b>	<b>074093515</b>
32	3057-20	1¾" x 18"		<b>091041013</b>	.875"-.1.000" (2.22-2.54)	<b>07401026</b>			
36	3057-24	2" x 18"		<b>091041016</b>	1.000"-.1.125" (2.54-2.86)	<b>07401027</b>			
					1.125"-.1.375" (2.86-3.17)	<b>07401028</b>			
32	3057-20	1¾" x 18"	1½	<b>091041014</b>	.875"-.1.000" (2.22-2.54)	<b>07401029</b>	—		<b>074093516</b>
36	3057-24	2" x 18"		<b>091041017</b>	1.000"-.1.125" (2.54-2.86)	<b>07401030</b>			
40	3057-28	2¼" x 16"		<b>091041019</b>	1.125"-.1.250" (2.86-3.17)	<b>07401031</b>			
				1.250"-.1.375" (3.17-3.49)	<b>07401032</b>				

Note: \*Cable jacket may have to be stripped to pass through connector body.

\*\*Number stamped on connector shell.

\*\*\*Number stamped on clamp shell.



091041006



## Wire Mesh Grip Materials

Material	Features	Product Group
Galvanized steel wire	<ul style="list-style-type: none"> <li>• High strength</li> <li>• Not subject to continuous outside environment</li> </ul>	<ul style="list-style-type: none"> <li>• Strain relief grips</li> <li>• I-Grips</li> </ul>
Stainless steel wire (302/304)	<ul style="list-style-type: none"> <li>• High strength</li> <li>• Corrosion resistant</li> <li>• Slightly magnetic</li> </ul>	<ul style="list-style-type: none"> <li>• Deluxe cord grips</li> <li>• Liquidtight, flexible, metal conduit grips</li> <li>• UL type A conduit grips</li> </ul>
Non-metallic strand	<ul style="list-style-type: none"> <li>• Superior flex life</li> <li>• Non-conductive</li> <li>• Corrosion resistant</li> <li>• Moderate strength</li> </ul>	<ul style="list-style-type: none"> <li>• Non-metallic deluxe cord grips</li> </ul>

## Operating Temperatures

Material	Temperature Range
Aluminum	-40°F to +300°F (-40°C to +149°C).
Aluminum Deluxe Cord Grips	-30°F to +240°F (-34°C to +115°C).
Non-Metallic Deluxe Cord Grips	-30°F to +225°F (-34°C to +107°C).
Nylon	-40°F to +225°F (-40°C to +107°C).
Nylon Fitting with Stainless Steel Mesh	-40°F to +225°F (-40°C to +107°C).
Stainless Steel	-60°F to +1000°F (-51°C to +537°C).
Stainless Steel Deluxe Cord Grips	-30°F to +240°F (-34°C to +115°C).
Neoprene (Bushings)	-30°F to +240°F (-34°C to +115°C).

## Hazardous Locations

	Product Categories
The product categories listed to the right are suitable for use in hazardous locations per Class I Div. 2, Class II Div. 1 & 2, Class III Div. 1 & 2.	Deluxe cord grip, aluminum fitting; Deluxe cord grip, nylon fitting; Deluxe cord grip, non-metallic; Sealtite conduit grips; Dusttight strain relief grips.

## Flammability

Non-metallic deluxe cord grips will not support combustion. Listed below are the ratings.

Component	Rating
Mesh grip	UL 94HB.
Fitting	UL 94V-2.

## Approvals

UL Listing and CSA Certification are indicated on appropriate product catalog pages.

Agency	UL Control Number
Underwriters Laboratories Inc.	898D and 899D.
	UL Listed in accordance with Standard 514B for indoor/outdoor use.

## Wet Locations

	Product Categories
The products noted to the right are suitable for use in wet locations when a listed sealing ring is used between box and fitting.	Deluxe cord grip, aluminum fitting; Deluxe sealing ring cord grip; Deluxe cord grip, non-metallic; Sealtite conduit grips; Hubbell non-metallic conduit grips; Cord connectors; Hubbell Juniors; PolyTuff® connectors; Hubbell sealtite conduit connectors.



## Form Size Definition

The term "Form Size" refers to the physical mass or overall dimensions of a cord connector. Form 1 is the smallest size, Form 8 is the largest size.

## Knockout Holes

NPT Hub Size Inches	Knockout Hole Recommended Min. to Max. Inches (cm)	
¼	.540"	.570" (1.37-1.45)
⅜	.671"	.701" (1.70-1.78)
½	.859"	.906" (2.18-2.30)
¾	1.094"	1.141" (2.78-2.90)
1	1.359"	1.406" (3.45-3.57)
1¼	1.719"	1.766" (4.37-4.49)
1½	1.969"	2.016" (5.00-5.12)
2	2.453"	2.500" (6.23-6.35)
2½	2.953"	3.000" (7.50-7.62)
3	3.578"	3.625" (9.09-9.21)

## Product Data

### Deluxe Cord Grips, Liquidtight for Insulated Cables

Deluxe Cord Grips helps to alleviate pull tension on terminals, control cable arc-of-bend, prevent cord pull-out, and provide a liquidtight seal. They are offered with either aluminum, stainless steel or nylon fittings in a variety of configurations and NPT thread sizes. Additionally, a completely non-metallic product is offered on page V-61.

## Application

Deluxe Cord Grips are used indoors or outdoors to help prevent cord pull-out, and where cables are subjected to moisture, splash or submersion. Specific uses are: wiring enclosures, pendant stations, hand tools, construction, processing and material handling equipment, pumps, motors and machine tools.

## Benefits

- Helps to prevent cable pull-out.
- Controls cable arc-of-bend.
- Provides a liquidtight seal.
- Corrosion resistant stainless steel mesh with aluminum collar.

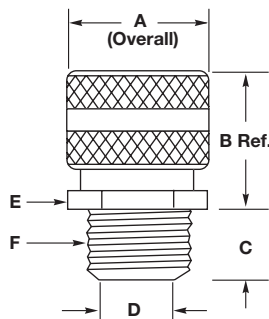


## Deluxe Cord Grips Fitting Dimensions

### Straight Hubbell Connectors

F NPT Inches	Aluminum, Inches (cm)					Nylon, Inches (cm)					Stainless Steel, Inches (cm)								
	A Form Dia.	B Ref.	C	D Throat Dia.	E A/C* A/F*	A Dia.	B Ref.	C	D Throat Dia.	E A/C* A/F*	A A/C* A/F*	B Ref.	C	D Throat Dia.	E A/C* A/F*				
3/8-18	1 .88" (2.24)	.90" (2.29)	.46" (1.17)	.44" (1.12)	.99" (2.51)	.88" (2.24)	1.00" (2.54)	1.10" (2.79)	.43" (1.09)	.45" (1.14)	1.00" (2.54)	.93" (2.36)	1.01" (2.57)	.88" (2.24)	.90" (2.29)	.46" (1.17)	.45" (1.14)	.87" (2.21)	.75" (1.90)
1/2-14	1 .88" (2.24)	.90" (2.29)	.46" (1.17)	.44" (1.12)	.99" (2.51)	.88" (2.24)	1.00" (2.54)	1.10" (2.79)	.43" (1.09)	.45" (1.14)	1.00" (2.54)	.93" (2.36)	—	—	—	—	—	—	—
1/2-14	2 1.13" (2.87)	1.10" (2.79)	.55" (1.40)	.64" (1.63)	1.11" (2.82)	1.00" (2.54)	1.32" (3.35)	1.50" (3.81)	.53" (1.35)	.58" (1.47)	1.25" (3.17)	1.12" (2.84)	1.30" (3.30)	1.13" (2.87)	1.10" (2.79)	.54" (1.37)	.63" (1.60)	1.16" (2.95)	1.00" (2.54)
1/2-14	3 1.38" (3.51)	1.50" (3.81)	.55" (1.40)	.64" (1.63)	1.40" (3.56)	1.25" (3.17)	—	—	—	—	—	—	—	—	—	—	—	—	—
3/4-14	2 1.13" (2.87)	1.10" (2.79)	.55" (1.40)	.64" (1.63)	1.29" (3.28)	1.13" (2.87)	—	—	—	—	—	—	—	—	—	—	—	—	—
3/4-14	3 1.38" (3.51)	1.50" (3.81)	.55" (1.40)	.82" (2.08)	1.40" (3.56)	1.25" (3.17)	1.56" (3.96)	1.60" (4.06)	.55" (1.40)	.77" (1.96)	1.44" (3.66)	1.31" (3.33)	1.59" (4.04)	1.38" (3.51)	1.30" (3.30)	.56" (1.42)	.81" (2.06)	1.44" (3.66)	1.25" (3.17)
1-11 1/2	3 —	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1-11 1/2	4 1.75" (4.44)	1.60" (4.06)	.71" (1.80)	1.02" (2.59)	1.81" (4.60)	1.62" (4.11)	1.88" (4.78)	1.75" (4.44)	.70" (1.78)	1.01" (2.57)	1.84" (4.67)	1.63" (4.14)	2.02" (5.13)	1.75" (4.44)	1.40" (3.56)	.70" (1.78)	1.03" (2.62)	1.88" (4.78)	1.63" (4.14)
1-11 1/2	5 2.31" (5.87)	1.70" (4.32)	.66" (1.68)	1.01" (2.57)	2.28" (5.79)	2.00" (5.08)	—	—	—	—	—	—	—	—	—	—	—	—	—
1 1/4-11 1/2	5 2.31" (5.87)	1.70" (4.32)	.74" (1.88)	1.26" (3.20)	2.28" (5.79)	2.12" (5.38)	—	—	—	—	—	—	—	—	—	—	—	—	—
1 1/2-11	5 2.31" (5.87)	1.70" (4.32)	.74" (1.88)	1.38" (3.51)	2.28" (5.79)	2.12" (5.38)	—	—	—	—	—	—	—	—	—	—	—	—	—
1 1/2-11 1/2	6 3.00" (7.62)	2.20" (5.59)	.75" (1.90)	1.50" (3.81)	2.97" (7.54)	2.75" (6.98)	—	—	—	—	—	—	—	—	—	—	—	—	—
2-11 1/2	6 3.00" (7.62)	2.20" (5.59)	.80" (2.03)	1.92" (4.88)	3.24" (8.24)	3.00" (7.62)	—	—	—	—	—	—	—	—	—	—	—	—	—
2-11 1/2	7 3.85" (9.78)	2.70" (6.86)	.88" (2.24)	1.94" (4.93)	4.05" (10.29)	3.75" (9.52)	—	—	—	—	—	—	—	—	—	—	—	—	—
2 1/2-8	7 3.85" (9.78)	2.70" (6.86)	1.30" (3.30)	2.32" (5.89)	4.34" (11.02)	4.02" (10.21)	—	—	—	—	—	—	—	—	—	—	—	—	—
2 1/2-8	8 4.75" (12.06)	2.70" (6.86)	1.25" (3.17)	2.38" (6.05)	4.86" (12.34)	4.50" (11.43)	—	—	—	—	—	—	—	—	—	—	—	—	—
3-8	7 3.85" (9.78)	2.70" (6.86)	1.30" (3.30)	2.54" (6.45)	4.34" (11.02)	4.01" (10.21)	—	—	—	—	—	—	—	—	—	—	—	—	—
3-8	8 4.50" (11.43)	2.70" (6.86)	1.38" (3.51)	3.00" (7.62)	4.86" (12.34)	4.50" (11.43)	—	—	—	—	—	—	—	—	—	—	—	—	—

Note: \*A/C— Across Corners; A/F— Across Flats.



Dimensions shown are approximate and are subject to change without notice.