

Kellems® Wire Management Products

Features and Benefits

Deluxe Cord Grip

Deluxe cord grips help 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 available.

Application

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



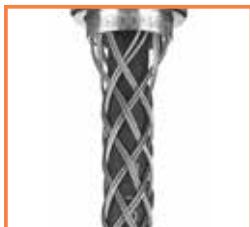
Mesh Grip

- Stainless steel mesh is corrosion resistant; can be used inside or outside
- Eliminates cable or flexible conduit pull out and reduces costly downtime
- Endless weave provides easy cable/flexible conduit installation



Deluxe Cord Grips

- An NPT and PG threaded body allows easy attachment to either threaded hub or knock-out in box
- A liquidtight fitting is available with both cable and conduit fittings; prevents liquids from running through the fitting into the enclosure



Cable Protection

- Multiweave grip gives cable arc-of-bend control minimizing cable damage and extending cable life
- It is the strongest strain relief device available; meets and exceeds all code requirements; prevents cable/conduit pull-out



Comprehensive Offering

- Hubbell offers a full line of deluxe cord grips with various material finishes
- Deluxe cord grips are used indoors or outdoors to help prevent cord pull-out and where cables are subjected to moisture, splash or submersion

Deluxe Cord Grips

Nylon Fittings, Stainless Steel Mesh, Liquidtight for Insulated Cables.

IMPORTANT:

Read all safety and technical data relating to this product.

Refer to pages X-61 through X-68.



Straight Male Thread

NPT Thread Size Inches	Grip Diameter Range Inches (cm)	Form Size	Catalog Number
1/2	.187"-.250" (.47-.63)	F2	074011331
	.250"-.375" (.63-.95)		074011332
	.375"-.500" (.95-1.27)		074011333
	.500"-.625" (1.27-1.59)		074011334*
3/4	.375"-.500" (.95-1.27)	F3	074011335
	.500"-.625" (1.27-1.59)		074011336
	.625"-.750" (1.59-1.90)		074011337
1	.750"-.875" (1.90-2.22)	F4	074011338*
	.625"-.750" (1.59-1.90)		074011341
	.750"-.875" (1.90-2.22)		074011342
	.875"-1.000" (2.22-2.54)		074011343
	1.000"-1.125" (2.54-2.86)		074011344*

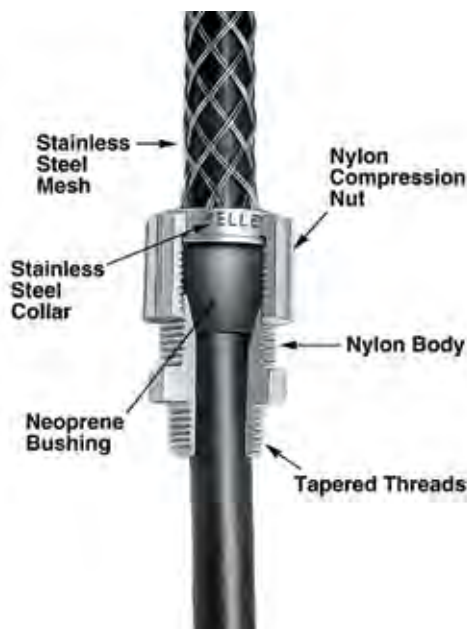


90° Male Thread

NPT Thread Size Inches	Grip Diameter Range Inches (cm)	Form Size	Catalog Number
1/2	.250"-.375" (.63-.95)	F2	074011346
	.375"-.500" (.95-1.27)		074011347
	.500"-.625" (1.27-1.59)		074011348*
3/4	.375"-.500" (.95-1.27)	F3	074011349
	.500"-.625" (1.27-1.59)		074011350
	.625"-.750" (1.59-1.90)		074011351*

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.



Dimensions in Inches (mm)

Wire Mesh Grip Materials

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

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; Seal-Tite® 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 94X-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; Seal-Tite® conduit grips; Hubbell non-metallic conduit grips; Cord connectors; Hubbell Juniors; PolyTuff® connectors; Hubbell Seal-Tite® conduit connectors.

Strain Relief for UL Type A, Flexible, Liquidtight Conduit

Kellems Grips for UL Type A, non-metallic, flexible, liquidtight conduit are available in straight and 90° male and feature a high quality Hubbell plated steel or malleable iron fitting, complete with a sealing O-ring, lock nut and stainless steel mesh. These grips increase the retention of the conduit in the fitting, control its arc-of-bend and provide a liquidtight seal.

Application

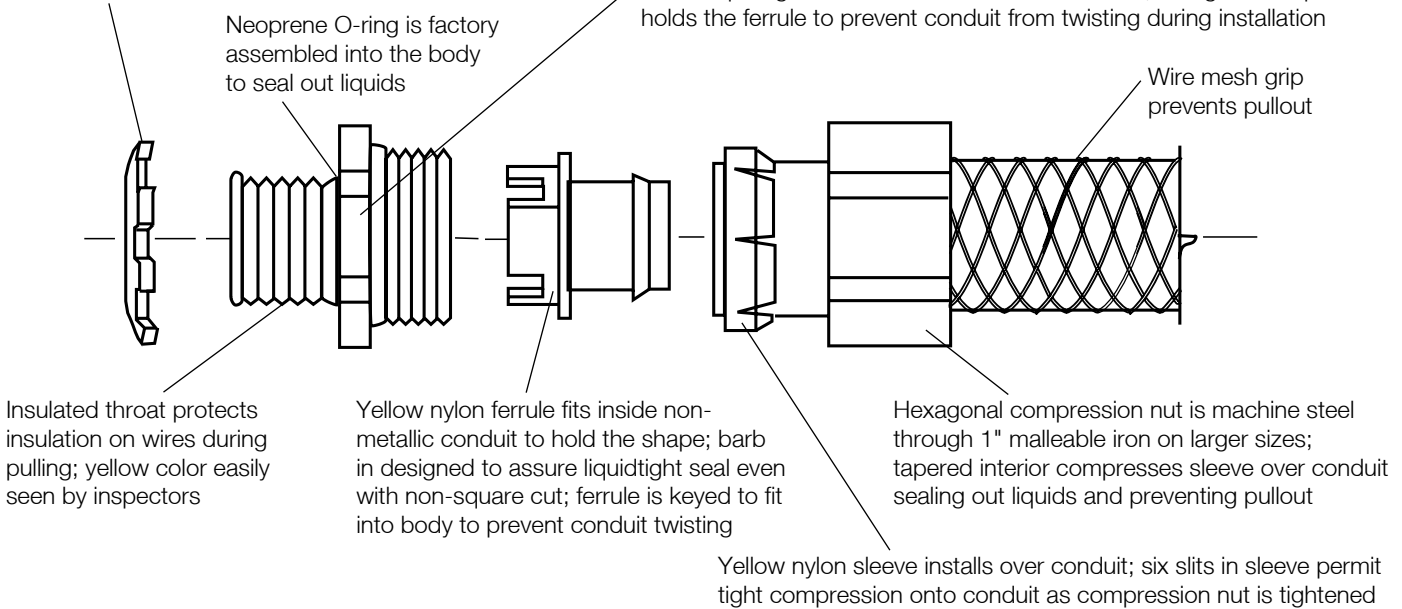
These grips are used on UL Type A non-metallic conduit connections at limit switches, motor boxes, panel boards, control stations and on all types of machinery and machine tools.

Steel Locknut has tangs that dig into box for excellent continuity of ground; locknut will not slip or spin

Benefits

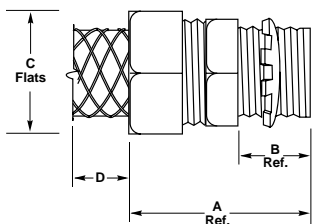
- Provides a liquidtight seal
- Helps prevent conduit pull-out
- Reduces conduit cutting, kinking, fraying and splitting at the fitting
- Easily installed

Body is virtually unbreakable. Straight connectors through 1" are screw machine steel; other sizes are malleable iron. Threads are tapered to insure liquidtight seal when used in threaded hub; octagonal shape inside holds the ferrule to prevent conduit from twisting during installation



Dimensional Charts For UL Type A, Liquidtight Conduit Grip Fittings

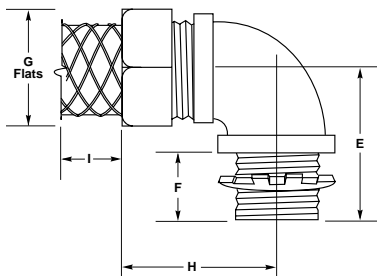
Straight with Male Fitting with Insulated Throat



Dimensions Inches (cm)

Trade Size NPT Inches	A	B	C	D	Catalog Number
3/8	1.922" (4.88)	.594" (1.51)	1.156" (2.94)	3.75" (9.52)	H038CNK
1/2	1.922" (4.88)	.594" (1.51)	1.250" (3.17)	4.50" (11.43)	H050CNK
3/4	2.016" (5.12)	.594" (1.51)	1.500" (3.81)	6.25" (15.87)	H075CNK
1	2.157" (5.48)	.719" (1.83)	1.844" (4.68)	7.50" (19.05)	H100CNK
1 1/4	2.219" (5.64)	.750" (1.91)	2.312" (5.87)	9.00" (22.86)	H125CNK
1 1/2	2.344" (5.95)	.750" (1.91)	2.578" (6.55)	13.50" (34.29)	H150CNK
2	2.406" (6.11)	.750" (1.91)	3.187" (8.09)	14.50" (36.83)	H200CNK

90° Angle with Male Fitting with Insulated Throat



Dimensions Inches (cm)

Trade Size NPT Inches	E	F	G	H	I	Catalog Number
3/8	1.250" (3.18)	.594" (1.51)	1.156" (2.94)	1.453" (3.69)	3.75" (9.52)	H0389CNK
1/2	1.281" (3.25)	.594" (1.51)	1.250" (3.17)	1.453" (3.69)	4.50" (11.43)	H0509CNK
3/4	1.438" (3.65)	.594" (1.51)	1.500" (3.81)	1.000" (2.54)	6.25" (15.87)	H0759CNK
1	1.750" (4.44)	.719" (1.83)	1.844" (4.68)	2.125" (5.40)	7.50" (19.05)	H1009CNK
1 1/4	1.969" (5.00)	.750" (1.91)	2.312" (5.87)	2.344" (5.95)	9.00" (22.86)	H1259CNK
1 1/2	2.250" (5.71)	.750" (1.91)	2.578" (6.55)	2.500" (6.35)	13.50" (34.29)	H1509CNK
2	2.531" (6.43)	.750" (1.91)	3.187" (8.09)	2.781" (7.06)	14.50" (36.83)	H2009CNK