

“Stay Connected” with



Strain Relief Bushings

a PennEngineering® Company



Heyco® Original Strain Relief Bushings

Straight-Thru for Flat Cables

.375" (9,5 mm) to .500" (12,7 mm) Mounting Holes

- **Protects the lifeline of your electric/ electronic products** by absorbing the forces of pull, push, and twist that may be exerted on the flexible power cord.
- Securely anchors, insulates, and protects cable at panel entry points.
- Sizes for thin .040" (1,0 mm) panel available: SR 4A-6 & SR 3A-4. See charts for details.
- See page 4-38 for corresponding **Mounting Hole Plugs** which can be used to fill blank/unused Mounting Holes and thus allow for a single panel design for multiple applications.
- Consult Heyco for other wire types and sizes.
- See pages 4-27 & 4-28 for SR assembly tools.
- For Double D Mounting Hole Punches, see page 4-30.



MOUNTING HOLE



*To install strain reliefs for .040" (1,0 mm) maximum panel thickness, use **Part #0021** (No. R 291) Hand Pliers.

UL Type	WILL FIT THESE CABLES				PANEL DIMENSIONS						PART NO.	DESCRIPTION	PART DIM.		Mounting Hole Plug PART NO.	
	AWG/ Conductors	Approximate Size		A Mounting Hole Dia.		B To Prevent Rotation		Finished Fit Panel Thickness*		Black			C BODY LENGTH			
		in.	mm.	in.	mm.	in.	mm.	in.	mm.				in.	mm.		
300 OHM†	20/2 22/2	.06 x .40	1,5 x 10,2	.375	9,5											
SPT-1	18/2 18/3	.12 x .30	3,0 x 7,6	.375 .390	9,5 9,9	.625-	15,9-									
SPT-2	18/2 18/3	.15 x .40	3,8 x 10,2	.415 .422	10,5 10,7	.640	16,3	.100	2,5	1814	SR 302-1**	.469	11,9	consult Heyco		
	16/2 16/3	.16 x .41	4,1 x 10,4	.422 .437	10,7 11,1											
Same as SR 302-1 above except									.156	4,0	1804	SR 300-1	.469	11,9	consult Heyco	
CLOCK, X & XT	20/2	.09 x .18	2,3 x 4,6	.375	9,5	.345	8,8	.062	1,6	1017	SR 2P-4	.406	10,3	2617		
SPT-1	18/2	.11 x .21	2,8 x 5,3													
Same as SR 2P-4 above except									.125	3,2	1034	SR 2L-1	.406	10,3	2617	
SPT-1	18/2	.12 x .22	3,0 x 5,6	.437	11,1	.390	9,9	.040 ***	1,0	1074	SR 3A-4	.406	10,3	2488		
Same as SR 3A-4 above except									.062	1,6	1077	SR 3P-4	.406	10,3	2488	
									.100	2,5	1104	SR 3W-1	.406	10,3		
									.156	4,0	1094	SR 3L-1	.406	10,3	consult Heyco	
SPT-1, SPT-2 & HPN	18/2	.12 x .22	3,0 x 5,6	.500	12,7	.445	11,3	.100	2,5	1130	SR 4P-4	.440	11,2	2491		
SPT-1	18/3	.12 x .30	3,0 x 7,6													
SPT-2 & HPN	18/2	.15 x .28	3,8 x 7,1	.500	12,7	.445	11,3	.062	1,6	1120	SR 4N-4	.406	10,3	2491		
Same as SR 4N-4 above except									.100	2,5	1117	SR 4K-4	.406	10,3	2491	
									.156	4,0	1127	SR 4L-4	.406	10,3	consult Heyco	
SPT-1	18/3	.12 x .30	3,0 x 7,6													
SPT-2 & HPN	18/2	.15 x .28	3,8 x 7,1	.500	12,7											
HPN	18/3	.15 x .34	3,8 x 8,6			.460	11,7	.095	2,4	1114	SR 4K-1	.500	12,7	2491		
SPT-2 HPN	16/2	.16 x .30	4,1 x 7,6	.500- .515	12,7- 13,1											
Same as SR 4K-1 above except									.187	4,7	1124	SR 4L-1	.500	12,7	consult Heyco	

Standard color black. Consult Heyco for white and other colors.

†Wire is not UL/CSA approved.

* Maximum Panel Thickness. Part has additional clearance. Consult Heyco for your Custom Finished Fit Panel Thickness.

**Use Elongated Mounting Hole.

***To install Strain Reliefs for .040" (1,0 mm) Maximum Panel Thickness use Part No. **0021** (No. R 291) Hand Pliers.

Material
Certifications

Nylon 6/6



Recognized under the Component Program of Underwriters' Laboratories File E15331



Certified by the Canadian Standards Association File 8919

Flammability Rating
Temperature Range

94V-2

-04°F (-18°C) to 221°F (105°C)

“Stay Connected” with



Strain Relief Bushings

a PennEngineering® Company



Heyco® Original Strain Relief Bushings

Straight-Thru for Round Cables

.875" (22,2 mm) to 1.187" (30,1 mm) Mounting Holes

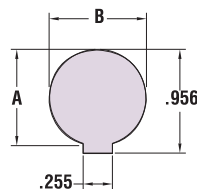
Fit 1/2" or 3/4" Electrical Knock-out Hole Sizes

- Protects the **lifeline of your electric/electronic products** by absorbing the forces of pull, push, and twist that may be exerted on the flexible power cord.
- Securely anchors, insulates, and protects cables at panel entry points.
- Sizes SR 7-Series to SR 9-Series for mounting hole diameters from .875" (22,2 mm) to 1.187" (28,6 mm).
- Sizes for thin .062" (1,6 mm) panel available: SR 8N-2
See chart for details.
- See page 4-38 for corresponding **Mounting Hole Plugs** which can be used to fill blank/unused Mounting Holes and thus allow for a single panel design for multiple applications.
- Consult Heyco for other wire types and sizes.
- See pages 4-27 & 4-28 for SR assembly tools.
- For Double D Mounting Hole Punches, see page 4-30.

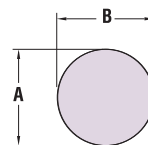
UL Type	WILL FIT THESE CABLES			PANEL DIMENSIONS						PART NO.		DESCRIPTION	PART DIM.		Mounting Hole Plug PART NO.												
	AWG/ Conductors	Approximate Size		A Mounting Hole Dia.		B To Prevent Rotation		Finished Fit Panel Thickness*		Black	White		C BODY LENGTH	in.		mm.											
		in.	mm.	in.	mm.	in.	mm.	in.	mm.																		
SJ, SJT & SJO	16/2	.325	8,3	.875	22,2	.770	19,6	.125	3,2	1240	1241	SR 7K-2	.750	19,1	2509												
	18/3	.330	8,4																								
	14/2	.350	8,9																								
	16/3	.355	9,0																								
	18/4	.360	9,1																								
Same as SR 7K-2 above except				See Schematic				.125	3,2	1271	1272	SR 7KR-2	.750	19,1	2509												
SJT	14/3	.370	9,4	.875	22,2	.770	19,6	.125	3,2	1247	1248	SR 7W-2	.750	19,1	2509												
	12/3	.425	10,8																								
S, SO, & ST	18/2	.390	9,9																								
	18/3	.405	10,3																								
	16/2	.405	10,3																								
16/3	.430	10,9	Same as SR 7W-2 above except				.200	5,1	1250	1251	SR 7L-2	.750	19,1	consult Heyco													
SJT	12/3	.425-	10,8-	.875	22,2	.840	21,3	.125	3,2	1497	1498	SR 31-2	.812	20,6	2509												
		.475	12,1																								
S & ST	14/2	.530	13,5																								
	14/3	.560	14,2																								
	12/2	.600	15,3																								
Same as SR 8N-2 above except								.125	3,2	1260	1261	SR 8P-2	.812	20,6	2509												
S	10/3	.690	17,5	1.187	30,2	1.000	25,4	.281	7,1	1287	1288	SR 9P-2	1.000	25,4	2717												
																12/2	.600	15,2	1.093	27,7							
																12/3	.635	16,1	1.093	27,7							
S, SO & ST	10/3	.690	17,5													1.093	27,7	1.000	25,4	.281	7,1	1287	1288	SR 9P-2	1.000	25,4	2717
SRDT	10/4																										

Standard color black. Consult Heyco for other colors.

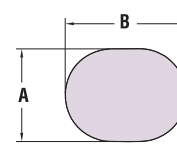
*Maximum Panel Thickness. Part has additional clearance. Consult Heyco for your Custom Finished Fit Panel Thickness.



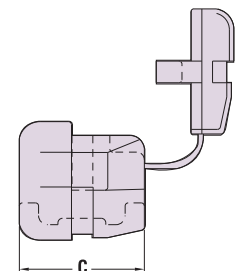
FOR SR-7KR-2 ONLY



STANDARD MOUNTING HOLES



ELONGATED MOUNTING HOLE



Quick Specs

Material
Certifications

Nylon 6/6

Recognized under the Component Program of Underwriters' Laboratories File E15331

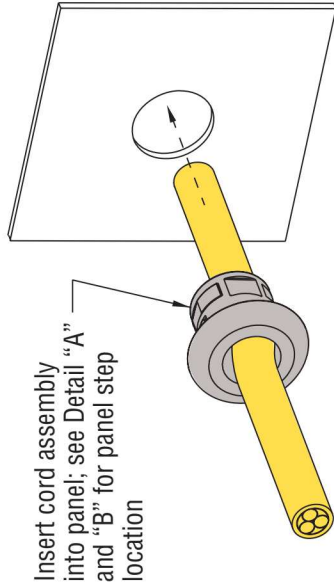
Certified by the Canadian Standards Association File 8919

Flammability Rating
Temperature Range

94V-2

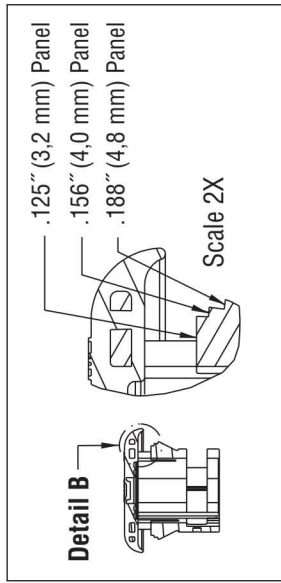
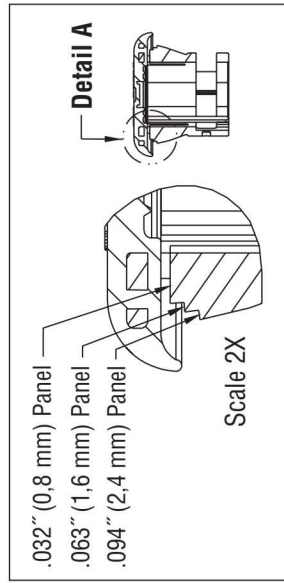
-.04°F (-18°C) to 221°F (105°C)

5 INSTALLING CORD ASSEMBLY

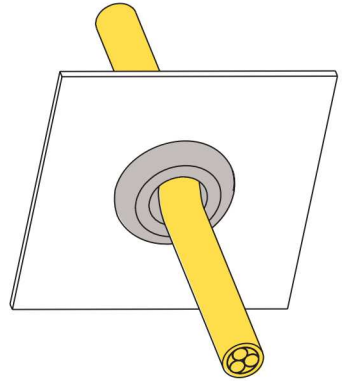


Insert cord assembly into panel; see Detail "A" and "B" for panel step location

Each panel thickness has $\pm .015''$ (0,4 mm)



6 SUCCESSFUL INSTALLATION



PART NO.	COLOR	DESCRIPTION	WIRE RANGE \emptyset (in.)	WIRE RANGE \emptyset (mm)
1063		LTBSR 875 - 094 - 330	.280" - .330"	7,1 - 8,4
1064	BLACK	LTBSR 875 - 188 - 330		
1065		LTBSR 875 - 094 - 440	.330" - .440"	8,4 - 11,2
1066		LTBSR 875 - 188 - 440		
1067		LTBSR 875 - 094 - 330	.280" - .330"	7,1 - 8,4
1068	WHITE	LTBSR 875 - 188 - 330		
1069		LTBSR 875 - 094 - 440	.330" - .440"	8,4 - 11,2
1070		LTBSR 875 - 188 - 440		
1071		LTBSR 875 - 094 - 330	.280" - .330"	7,1 - 8,4
1072	LT.	LTBSR 875 - 188 - 330		
1073	GRAY**	LTBSR 875 - 094 - 440	.330" - .440"	8,4 - 11,2
1076		LTBSR 875 - 188 - 440		
0029A	BLACK	LTBSR PLIER ADAPTOR	N/A	
0029	N/A	LTBSR PLIER	N/A	
0029-P		LTBSR PLIER - 10 PK	N/A	

**LT. GRAY IS RAL 7035

Heyco® Liquid Tight Strain Relief Bushing

Instructions for Assembly and Installation



Snap-in, Low Profile Design Allows for Pre-assembled Cables

Patent #10573436



a PennEngineering® Company

For a video demonstration of the crimping and panel installation, scan the code below.



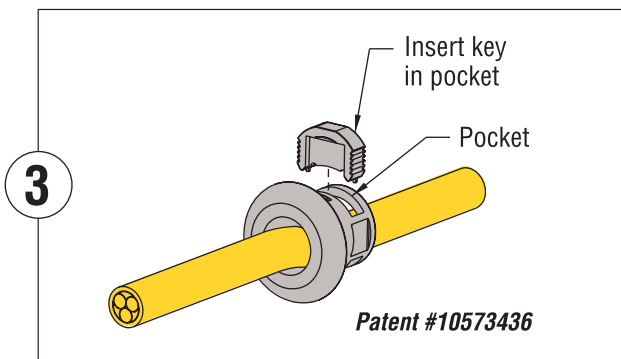
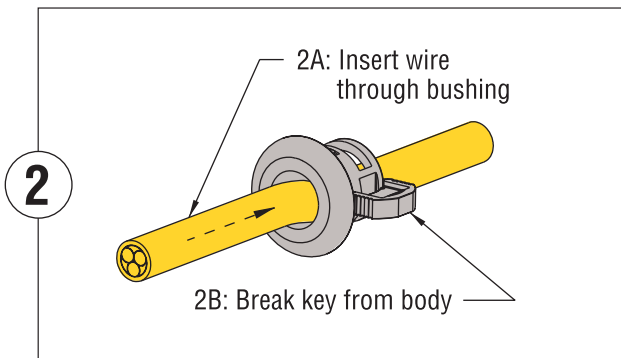
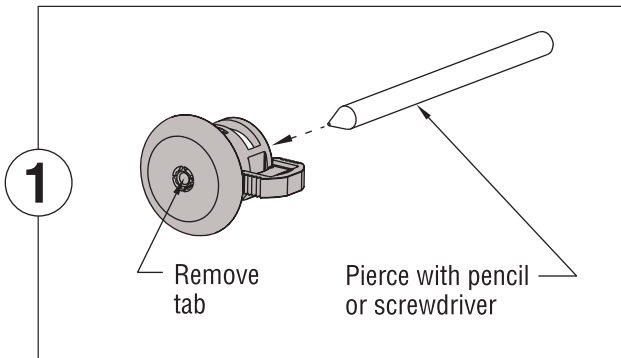
These instructions can also be found on-line at www.heyco.com



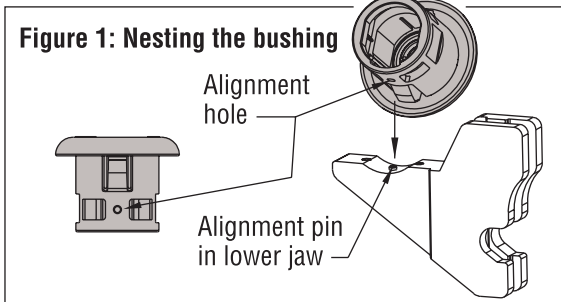
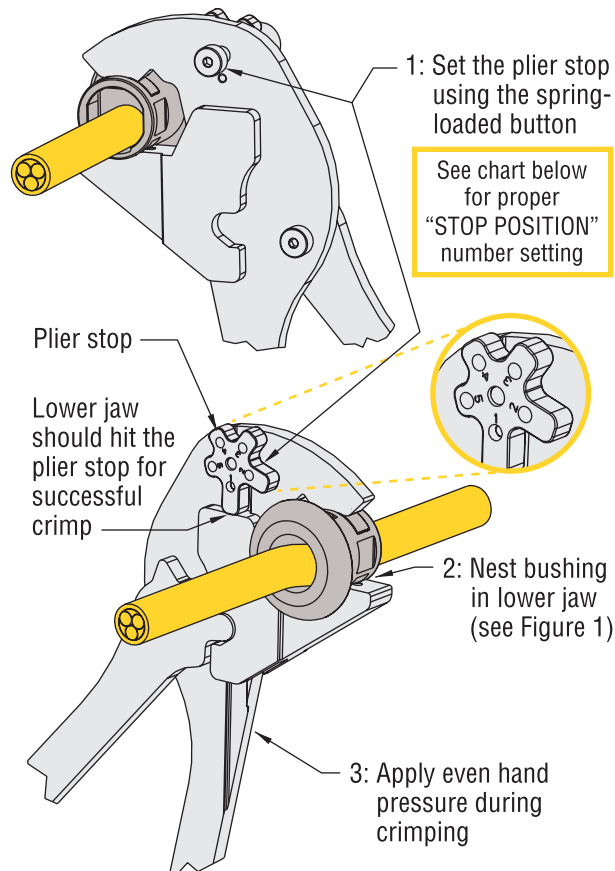
a PennEngineering® Company

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INSTALLATION AND CRIMPING OPTIONS



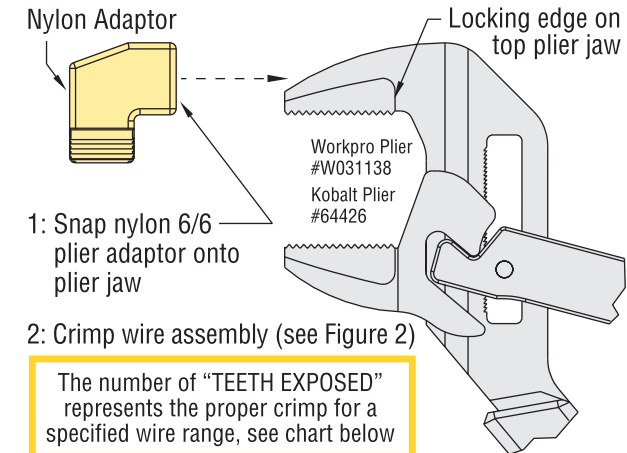
4a CAST PLIER METHOD (Part No. 0029) Nylon Adaptor NOT Required



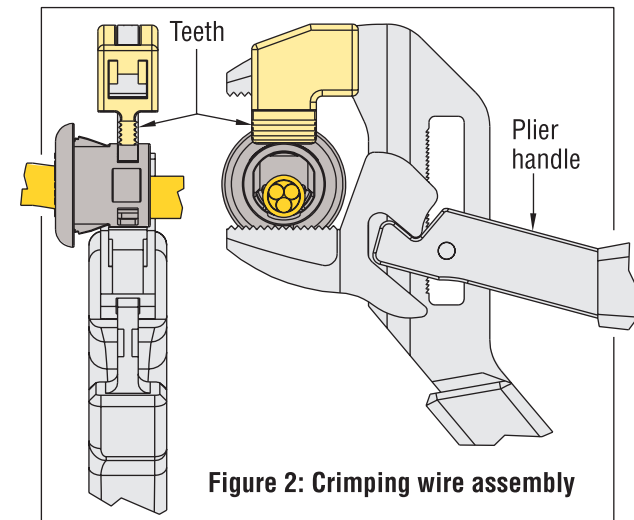
PLIER STOP SPECIFICATIONS			
STOP POSITION	(in.)	WIRE RANGE Ø	(mm)
1	.440" - .430"		11,2 - 10,9
2	.430" - .390"		10,9 - 9,9
3	.390" - .350"		9,9 - 8,9
4	.350" - .300"		8,9 - 7,6
5	.300" - .280"		7,6 - 7,1

4b ALTERNATE PLIER METHOD REQUIRES Nylon Adaptor (Part No. 0029A / included)

Nylon Adaptor Part No. 0029A (included) is compatible with 10" pliers; either **Workpro Item #W031138** or **Kobalt Item #64426** (available commercially)



3: To achieve successful crimp height, each time the key clicks into the body, release pressure on the plier handle and re-engage to continue on to the desired locking position



CRIMP SPECIFICATIONS			
TEETH EXPOSED	(in.)	WIRE RANGE Ø	(mm)
5	.440" - .430"		11,2 - 10,9
4	.430" - .390"		10,9 - 9,9
3	.390" - .350"		9,9 - 8,9
2	.350" - .300"		8,9 - 7,6
1	.300" - .280"		7,6 - 7,1

...Continue to step 4a if using the **Cast Plier** crimping method, or 4b if using the **Alternate Plier** method