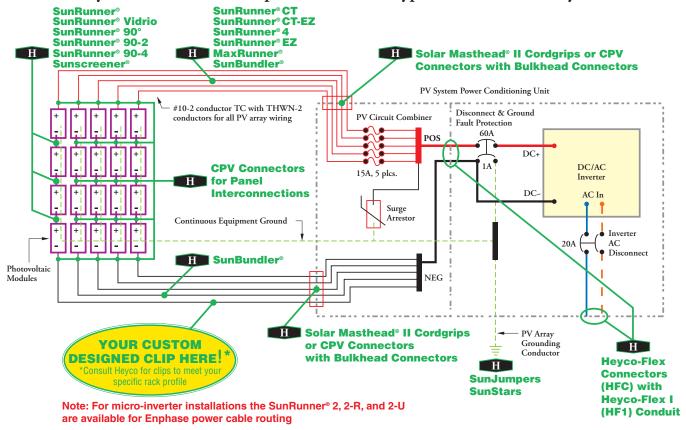


Contents:

- Wire Management, Grounding and Screening Solutions, pages 1-0 thru 1-31
- 2 Enclosures and Module Components, pages 2-0 thru 2-39
- 3 Electrical Accessories, pages 3-0 thru 3-20

Heyco® Solar Power Components Used in Typical Grid-Tied PV System



Heyco Solar Products Warranty — Applies to all products in Section 1 (except NTMP, page 1-13 and pages 1-15 through 1-24) and products found on pages 2-33 through 2-38 only.

Heyco manufactures and sells products of the highest quality and stands behind them. In light of those facts, Heyco sells its products with the understanding and on the condition that the purchaser will test them in actual use and make his own determination as to their suitability and acceptability for his intended use, and the purchaser agrees to such condition. Use of Heyco products other than for the applications or environments illustrated herein constitutes a misuse for which the purchaser bears all responsibility.

Heyco warrants to the original purchaser that for a period of twenty (20) years from date of purchase the Heyco solar products shall be free from defects in material and workmanship. Except as set forth in the prior sentence, Heyco makes no other warranty, express or implied, and all other warranties are expressly disclaimed by Heyco. Heyco's obligation under this warranty and that of the seller is limited to the replacement of the defective product or the provision of new components at no charge. Under no circumstances are Heyco or the seller liable for any consquential, special, indirect, incidental, punitive or exemplary losses, damages or expenses, or for lost profits, lost business, or for lost opportunities, arising out of the use and/or inability to use the Heyco solar products, regardless of whether Heyco has been advised of the possibility of such damages.

In order to qualify for this warranty, the original purchaser must have installed the Heyco solar products in accordance with the appropriate Heyco installation instructions and all commercial building wiring standards and must not have subjected the Heyco solar products to abuse or mishandling.

Force Majeure—Heyco shall not be responsible or liable in any way to the purchaser for any failure or delay in performance under this warranty due to any cause beyond its control such as war, riots, strikes, natural disaster, acts of God, acts of terrorism, flood, fire, accident, delay in transportation, intervention by governmental entities, change in laws or regulations or any other unforeseen event beyond its control.





Heyco[®]-Tite Solar Masthead[®] II Liquid Tight Cordgrips

Multi-Hole, NPT Hubs with Integral Sealing Ring - IP 68 Rated The Ultimate in Liquid Tight Strain Relief Protection Small Packs Available

	AND	PART NO.	DESCRIPTION	PACK	AGING							ENSIONS				
	uctors	Black	with NPT Thread	Std.	Small	₩/ ® or	Cleara	nce	Max.	0.A.	Thr	ead		Wrench	•	
Size	No.			Pack	Pack	c AU 'us	Hole	Dia.	Len	gth	Lei	ıgth	Thic	rness	Flat	Size
mm.					†		in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.
	5	M3234GBR-SM	SMCG 3/4	100	25	c SU 'us	1.040	26,4	2.00	50,8	.62	15,7	.25	6,4	1.30	33,0
	9	M8437GBK-SM	SMCG 1	100	25	c 71 1/us	1.326	33,8	2.41	61,2	.76	19,3	.30	7,6	1.73	43,9
5,5	13	M4524GBM-SM	SMCG 1-1/4	50	10	c 71 1/us	1.680	42,7	2.69	68,3	.78	19,8	.30	7,6	2.05	52,1
	21	M3317GBQ-SM	SMCG 1-1/2	50	5	c 71 0s	1.920	48,8	2.81	71,3	.76	19,3	.36	9,1	2.46	62,5
	31	M3321GBY-SM	SMCG 2	50	5	c 711 °us	2.400	60,8	2.93	74,3	.79	20,1	.42	10,7	2.73	69,3
5,6	3	M3200GAH-SM	SMCG LL 1/2	200	25	(H)/(SP	.875	22,2	1.68	42,7	.44	11,2	.25	6,4	1.06	26,9
	3	M3234GBS-SM	SMCG 3/4	100	25	(h)/(f)	1.040	26,4	2.00	50,8	.62	15,7	.25	6,4	1.30	33,0
	5	M8437GBT-SM	SMCG 1	100	25	(H)/(F)	1.326	33,8	2.41	61,2	.76	19,3	.30	7,6	1.73	43,9
7,7	9	M4524GBW-SM	SMCG 1-1/4	50	10	(H)/(F)	1.680	42,7	2.69	68,3	.78	19,8	.30	7,6	2.05	52,1
	11	M3317GBZ-SM	SMCG 1-1/2	50	5	c 71 .ns	1.920	48,8	2.81	71,3	.76	19,3	.36	9,1	2.46	62,5
	19	M3321GBX-SM	SMCG 2	50	5	€ / ⊕	2.400	60,8	2.93	74,3	.79	20,1	.42	10,7	2.73	69,3
	7	M4524GCJ-SM	SMCG 1-1/4	50	10	(h)/(f)	1.680	42,7	2.69	68,3	.78	19,8	.30	7,6	2.05	52,1
8,9	9	M3317GCK-SM	SMCG 1-1/2	50	5	c 91 0s	1.920	48,8	2.81	71,3	.76	19,3	.36	9,1	2.46	62,5
	12	M3321GCM-SM	SMCG 2	50	5	(h)/(f)	2.400	60,8	2.93	74,3	.79	20,1	.42	10,7	2.73	69,3

^{*}AWG 10 and 12 for both USE-2 and PV Cable.

- Break-Thru Skinned-Over glands in the Solar Masthead II Cordgrips offer flexibility to use from 1 to 31 of the available holes while still providing a liquid tight seal around the wire.
- IP 68 rated.
- Approved for NEMA 4, 4X, 6 and 6P applications.
- Integral Sealing Ring ensures a superior seal at the clearance or threaded mounting hole location, every time.
- Provide a watertight seal for PV module output leads to inverters.
- Designed for solar rooftop or combiner box installations.
- Secure input PV leads from solar panel array strings to fuse holder hookup within solar combiner boxes.
- Suitable for use with USE-2 and PV Cable.
- UV resistant nylon construction with TPE Sealing Gland resists salt water, weak acids, gasoline, alcohol, oil, grease, and common solvents.
- No disassembly required for installation.
- Generous wrenching flats for ease of assembly.
- Solar Masthead II Cordgrips provided with assembled metal locknut.
- Contact Heyco for other sizes and gland configurations.



Use a Heyco-Flex I Conduit Adapter to join a Heyco Solar Masthead to Heyco-Flex I or Rigid PVC Conduit, through which the solar installer can run PV wire from the roof to the field level inverter.

Material Nylon 6/6 with TPE Sealing Glands Listed under Underwriters' Laboratories File E51579 Certifications

Recognized under the Component Program of Underwriters' Laboratories File E51579 to both Canadian and U.S. requirements

Certified by the Canadian Standards Association File 93876 Flammability Rating

Temperature Range Static -40°F (-40°C) to 239°F (115°C) Dynamic -4°F (-20°C) to 212°F (100°C)

IP Rating

^{**}For 8 AWG USE-2 Wire.

[†] To order Small Packs, please add the suffix-P to Part No.; e.g., M3234GBR-SM-P.

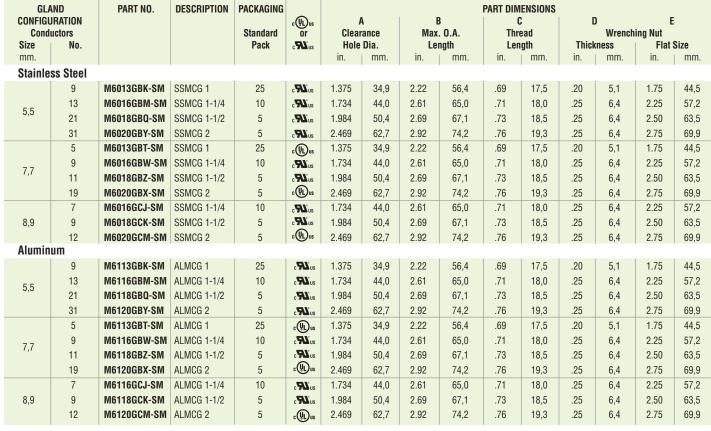




Heyco®-Tite Solar Masthead® Metal Liquid Tight Cordgrips

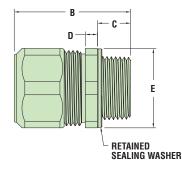
Multi-Hole, NPT Hubs - IP 68 Rated

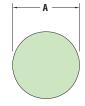
The Ultimate in Liquid Tight Strain Relief Protection



^{*} AWG 10 and 12 for both USE-2 and PV Cable.

Assembled Metal Locknuts INCLUDED.



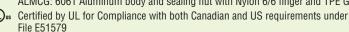


SUGGESTED CLEARANCE HOLE FOR NONTHREADED MOUNTING

Material

SSMCG: 303 Stainless Body and sealing nut with Nylon 6/6 finger and TPE Gland ALMCG: 6061 Aluminum body and sealing nut with Nylon 6/6 finger and TPE Gland

Certifications



Recognized under the Component Program of Underwriters' Laboratories File E51579 to both Canadian and US requirements

Flammability Rating

Temperature Range -40°F (-40°C) to 212°F (100°C)

IP Rating IP 68 (70 PSI, 5 BAR)

- Break-Thru Skinned-Over glands offer flexiblity to use from 1 to 31 of the available holes while still providing a liquid tight seal around the wire.
- Rolled grease-free threads prevent galling and allow for multiple assemblies and disassemblies.
- Approved for NEMA 4, 4X, 6 and 6P applications.
- Self-retaining sealing washers eliminate the need for an O-Ring groove, thus reducing cost.
- Stainless Steel ideal for corrosive environments.
- Aluminum a less costly solution for robust environments.
- Suitable for use with USE-2 and PV Cable.
- Secure input PV leads from solar panel array strings to fuse holder hookup within solar combiner boxes.
- No disassembly required for installation.
- Sealing washer required for through hole applications only.
- DFARS Compliant.

^{**} For 8 AWG USE-2 Wire, use Solar Mastheads for 7.7 mm conductors.



- Integral Sealing Ring ensures a superior seal at the clearance or threaded mounting hole location, every time.
- IP 68 rated.
- Widest range of approved cable diameters.
- · Cordgrips with an -SM suffix have Skinned-Over Break-thru glands that offer the flexibility to use from 1 to 31 of the available holes while still providing a liquid tight seal around the wire.
- All accompanying Cordgrips are made of nylon construction with TPE sealing glands that resist salt water, weak acids, gasoline, alcohol, oil, grease, and common solvents. (This feature is not assessed by UL.)
- Suitable for use with USE-2 and PV Cable.
- For locknut specifications or to order locknuts separately, see pages 3-17 & 3-18.
- · Multi-hole glands are only to be used with Heyco Liquid Tight Cordgrips and are not sold separately.
- For our complete range of Heyco Cordgrips, see Section 3 in Heyco Catalog 117.



Use Heyco Multi-Hole Cordgrips with Heyco Female Threaded Couplings and Heyco-Flex III Tubing to insulate exposed PV wiring when making complete liquid tight connections to solar combiner or inverter enclosures. See page 3-1 for details.



Heyco®-Tite UL Listed/Recognized and CSA Certified **Liquid Tight Cordgrips** for Solar Applications

Multi-Hole, NPT Hubs with Integral Sealing Ring - IP 68 Rated

The Ultimate in Liquid Tight Strain Relief Protection

GL	AND	PART	DESCRIPTION					PAR	T DIN	/IENSIC	ONS			
CONFIGU		NUMBER		(H)/(B)			E			C		D		E
	uctors	Black		or	Clear		Max.			read			hing N	
Size mm.	No.			c AT .ns	in.	Dia. mm.	Len in.	gtn mm.		ngth mm.		kness mm.	Flat in.	mm.
	lard Mu	Iti-Hole Gland	- Assembled	Metal					111.	1111111.	111.	111111.	111.	111111.
Otali	9	M8437GBF	LTCG 1	c SN 'us	1.326		2.41	61,2	.76	19,3	.30	7,6	1.73	43,9
4,5	13	M4524GBG	LTCG 1-1/4	c 711 us	1.680		2.41	68,3		19,3	.30	7,6	2.05	52,1
	2	M3231GAE	LTCG 1/2	(F)/(SP)		22,2	1.70	43,2	.61	15,5	.21	5.3	.98	24,9
5,2	3	M3234GAF	L100 1/2	(F)/(F)	.073	22,2	1.70	43,2	.01	15,5	.21	5,5	.90	24,9
5,2	4	M3234GAG	LTCG 3/4	(F)/(F)	1.040	26,4	2.00	50,8	.62	15,7	.25	6,4	1.30	33,0
5,6	3	M3200GAH	LTCG LL 1/2	(H)/(F)	.875	22,2	1.68	42,7	.44	11,2	.25	6,4	1.06	27,0
Skinr	ned-Ove	r Break-thru So	lar Masthea	d Glar	id - As	ssem	bled N	letal l	Lock	nuts I	NCL	UDE)	
	5	M3234GBR-SM	SMCG 3/4	c 93 0'us	1.040	26,4	2.00	50,8	.62	15,7	.25	6,4	1.30	33,0
	9	M8437GBK-SM	SMCG 1	c 91 2'us	1.326	33,8	2.41	61,2	.76	19,3	.30	7,6	1.73	43,9
5,5	13	M4524GBM-SM	SMCG 1-1/4	c AX 'us	1.680		2.69	68,3	.78	19,8	.30	7,6	2.05	52,1
	21	M3317GBQ-SM	SMCG 1-1/2	c 91 2.ns	1.920	_ ′	2.81	71,4	.76	19,3	.36	9,1	2.48	63,0
	31	M3321GBY-SM	SMCG 2	c PU 'us	2.400	60,8	2.92	74,2	.79	20,1	.42	10,7	2.73	69,3
5,6	3	M3200GAH-SM	SMCG LL 1/2	(H)/(F)	.875	22,2	1.68	42,7	.44	11,2	.25	6,4	1.06	27,0
	3	M3234GBS-SM	SMCG 3/4	(H)/(H)	1.040	26,4	2.00	50,8	.62	15,7	.25	6,4	1.30	33,0
	5	M8437GBT-SM	SMCG 1	(H)/(B)	1.326	_ ′	2.41	61,2	.76	19,3	.30	7,6	1.73	43,9
7,7	9	M4524GBW-SM	SMCG 1-1/4	(H)/(GP	1.680	,	2.69	68,3	.78	19,8	.30	7,6	2.05	52,1
	11	M3317GBZ-SM	SMCG 1-1/2	c SU 'us	1.920	_ ′	2.81	71,4	.76	19,3	.36	9,1	2.48	63,0
	19	M3321GBX-SM	SMCG 2	(H)/(B)	2.400	60,8	2.92	74,2	.79	20,1	.42	10,7	2.73	69,3
	7	M4524GCJ-SM	SMCG 1-1/4	(H)/(SP	1.680	42,7	2.69	68,3	.78	19,8	.30	7,6	2.05	52,1
8,9	9	M3317GCK-SM	SMCG 1-1/2	c 71 2.	1.920	48,8	2.81	71,3	.76	19,3	.36	9,1	2.48	63,0
	12	M3321GCM-SM	SMCG 2	(4)/(3)	2.400	60,8	2.93	74,3	.79	20,1	.42	10,7	2.75	69,9
Othe	r Configu	irations with A	pproval Pote	ential -	Lock	nuts	not in	clude	d					
6,0	2	M3200GAJ	LTCG LL 1/2	-	.875	22,2	1.68	42,7	.44	11,2	.25	6,4	1.06	27,0
0,0	4	M3234GBC	LTCG 3/4	-	1.040	26,4	2.00	50,8	.62	15,7	.25	6,4	1.30	33,0
6,5	6	M8437GAL	LTCG 1	-	1.326	33,8	2.41	61,2	.76	19,3	.30	7,6	1.73	43,9
0,0	U	M4524GAL	LTCG 1-1/4	-	1.680	42,7	2.69	68,3	.78	19,8	.30	7,6	2.05	52,1
7,0	3	M3234GAM	LTCG 3/4	_	1.040	26.4	2.00	50.8	.62	15.7	.25	6.4	1.30	33.0
7,4	2	M3234GAN				, ,		30,3		. 0,7	0	٥, ١		30,3

^{*}AWG 10 and 12 for both USE-2 and PV Cable except 4.5 mm Conductors Recognized for AWG 12 only.

Material Nylon 6/6 with TPE sealing gland Certifications

(UL) Listed under Underwriters' Laboratories File E51579

Recognized under the Component Program of Underwriters' Laboratories File E51579 to both Canadian and U.S. requirements

Certified by the Canadian Standards Association File 93876

Flammability Rating Temperature Range Static -40°F(-40°C) to 239°F (112°C)

Dynamic -4°F (-20°C) to 212°F (100°C)

IP Rating

^{**8} AWG USE-2 Wire

^{***}Depends on actual wire: 10 AWG USE-2 or 12 AWG PV 1000.

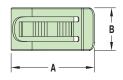


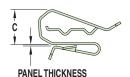
HEYClip[™] SunRunner[®] Cable Clips for 1-2 Cables

Double-Compression, Straight-thru Design

C	PANEL TI CLAMPIN IIMUM mm.		GE	WIRE DIAMETER Range	PAR 304 Stainless	T NO. 316 Stainless	DESCRIPTION	FOOTE A 2 in.			RALL GHT ; mm.
Sı	ınRunn	er Cli	p - for	panels up to .090	"(2,3 mm)	thick					
.06	1.4	.09	2,3	.20" (5,1 mm)- .33" (8,3 mm)	\$6405	\$6490	SunRunner® Clip 100 Pack	.97 x	24,6 x	.39	9.9
.00	1,4	.03	2,0	each cable	\$6445	\$6495	SunRunner® Clip Bulk	.50	12,7	.00	0,0
Sı	ınRunn	er Vid	rio™ C	lip - for GLASS pa	anels up to	.250" (6,	4 mm) thick		NEW	PROD	UCTS
.13	3,2	.25	6,4	.20" (5,1 mm)- .33" (8,3 mm)	S6460	-	SunRunner® Vidrio™ Clip 100 Pack	.99 x	25,1 x	.45	11.4
.10	0,2	.20	0,4	each cable	\$6500	-	SunRunner® Vidrio™ Clip Bulk	.52	13,2	.10	11,7
Sı	ınRunn	er EZ	Clip - 1	for panels up to .2	250" (6,4 m	nm) thick					
.09	2,3	.25	6,4	.20" (5,1 mm)- .33" (8,3 mm)	\$6407	-	SunRunner® EZ Clip 100 Pack	.97 x	24,6 x	.41	10,4
.03	2,0	.20	υ,τ	each cable	S6447	-	SunRunner® EZ Clip Bulk	.50	12,7	וד:	10,7

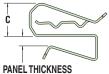
^{*}Can accommodate up to three .33" (8,3 mm) diameter cables.





SunRunner®





SunRunner® Vidrio™





- Heyco's SunRunner and SunRunner EZ's robust "double-compression" design securely holds from (1) 12 gauge USE-2 to (2) 10 gauge PV-1000V solar wires.
- Also for use with other cables from .20" (5,1 mm) to .33" (8,3 mm) in diameter.
- Heyco SunRunner Clips are designed to provide a better method for PV module wire management and may be used wherever single or multiple cable management is needed.
- · Smooth clip edges prevent damage to cable insulation.
- Locking tabs securely fasten clips to module extrusions, or other panels.
- Generous lead-in for installation without tools.
- Screwdriver slot for easy removal or movement of clips if necessary.
- Neatly dresses cables on PV panel frames or along mounting channels.
- Constructed from corrosion resistant 304 stainless steel, not for use in a marine salt water environment.
- 316 stainless steel now available for marine and other harsh environments.
- SunRunner Vidrio[™] is designed to mount directly onto the glass panel with compression force only. Will not harm the glass surface, and the black color meets many HOA requirements!
- The TPE coating on the SunRunner Vidrio[™] provides an electrically insulated surface.
- SunRunner EZ's are designed for thicker module frames as well as racking – accommodates profiles up to .250" (6,4 mm) thick!

Material Certifications

Temperature Range



.025" thick 304 or 316 stainless steel

c(4) us Certified by UL for Compliance with both Canadian and US Requirements under File E54523

-40°F (-40°C) to 572°F (300°C)



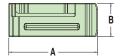
- Heyco's SunRunner and SunRunner EZ's robust "double-compression" design securely holds from (1) 12 gauge USE-2 to (2) 10 gauge PV-1000V solar wires.
- Also for use with other cables from .20" (5,1 mm) to .33" (8,3 mm) in diameter.
- Heyco SunRunner Clips are designed to provide a better method for PV module wire management and may be used wherever single or multiple cable management is needed.
- Smooth clip edges prevent damage to cable insulation.
- Locking tabs securely fasten clips to module extrusions, or other panels.
- Generous lead-in for installation without tools.
- Screwdriver slot for easy removal or movement of clips if necessary.
- Neatly dresses cables on PV panel frames or along mounting channels.
- SunRunner 4 designed to hold up to (4) 12 gauge USE-2 or (4) 10 gauge PV-1000V solar wires.
- SunRunner 4 is constructed from heat treated 410 stainless steel for excellent strength and corrosion protection for outdoor exposure.
- SunRunner EZ's are designed for thicker module frames as well as racking – accommodates profiles up to .250" (6,4 mm) thick!
- DFARS Compliant.

HEYClip[™] SunRunner[®] Cable Clips for 4 Cables

Double-Compression, Straight-thru Design

C	ANEL TI Lampin imum	IG RAN		WIRE DIAMETER Range	PART NO. 410 Stainless	DESCRIPTION	FOOTF A x		HEI	RALL GHT
in.	mm.	in.	mm.				in.	mm.	in.	mm.
Su	ınRunr	er 4 C	lip - fo	or panels up to .125" (3,2 mm	n) thick					
.06	1.4	.13	3.2	.20" (5,1 mm)30" (7,6 mm)	S6443	SunRunner® 4 Clip 100 Pack	1.34 x	33,8 x	.36	9,1
.00	1,4	.10	3,2	each cable*	\$6483	SunRunner® 4 Clip Bulk	.50	12,7	.00	9,1
Su	nRunn	er 4 Ez	Z Clip ·	for panels up to .250" (6,4 r	mm) thick					
12	3.2	.25	6.4	.20" (5,1 mm)30" (7,6 mm)	\$6400	SunRunner® 4 EZ Clip 100 Pack	1.33 x	33,8 x	.36	9,1
.13	3,2	.23	0,4	each cable*	S6440	SunRunner® 4 EZ Clip Bulk	.50	12,7	.50	9,1

^{*}Can accommodate up to three .33" (8,3 mm) diameter cables.





SunRunner® 4



SunRunner® 4 EZ



Material Certifications



.020" thick 410 stainless steel

Certified by UL for Compliance with both Canadian and US Requirements under File E54523

Temperature Range

-40°F (-40°C) to 572°F (300°C)

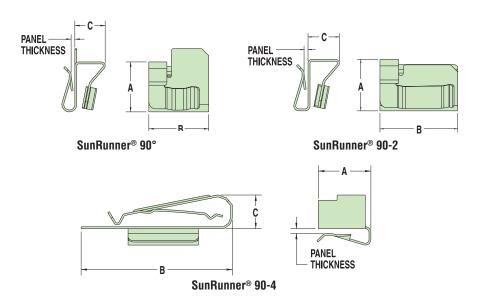


Double-Compression, Right Angle Design

CI	ANEL TH Lampin mum		GE	WIRE DIAMETER RANGE Maximum	PART NO.	DESCRIPTION	FOOTP		OVEI HEI	GHT
in.	mm.	in.	mm.	Maxillulli			in.	mm.	in.	mm.
Sir	igle W	ire Cli	p - for	panels up to .125	" (3,2 mm) thick				
.06	1,4	.13	3,2	.20" (5,1 mm)- .33" (8,3 mm)	S6406	SunRunner® 90° Clip 100 Pack	.82 x .78	20,8 x	.39	9,9
.00	1,4	.10	0,2	each cable	S6446	SunRunner 90° Clip Bulk	.02 x .70	19,8	.00	3,3
Do	uble W	/ire CI	ip - for	panels up to .125	5″ (3,2 mm) thick		<	NEW PR	ODUCTS
06	06 1,4	.13	3,2	.20" (5,1 mm)- .33" (8,3 mm)	\$6436	SunRunner® 90°-2 Clip 100 Pack	.65 x .98	16,5 x	.39	9,9
.00	1,4	.13	3,2	each cable	S6476	SunRunner® 90°-2 Clip Bulk	.03 X .90	24,9	.39	9,9
Do	uble W	lire Su	ınRuni	ner Vidrio™ 90-2 C	Clip - for G	LASS panels up to .090"	(2,3 mm)	thick <	NEW PR	ODUCTS
.13	3,2	.25	6.4	.20" (5,1 mm)- .33" (8,3 mm)	\$6430	SunRunner® Vidrio 90° Clip 100 Pack	.99 x .52	25,1 x	.45	11,4
.10	0,2	.20	0,4	each cable	\$6470	SunRunner® Vidrio 90° Clip Bulk	.00 \ .02	13,2	.+0	11,4
Foi	ır Wire	e Clip	for pa	anels up to .125" ((3,2 mm) t	hick		<	NEW PR	ODUCTS
.06	1,4	.13	3,2	nels up to .125" (3 .20" (5,1 mm)- .30" (7,6 mm) each cable*	S6439** S6479**	SunRunner® 90°-4 Clip 100 Pack SunRunner® 90°-4 Clip Bulk	.56 x 1.63	14,2 x 41,4	.36	9,1
				200 20″ (0.0 mm) (

^{*}Can accommodate up to three .33" (8,3 mm) diameter cables.

^{**}SunRunner 90-4 parts are not cULus



Material .025" thick 304 stainless steel (SunRunner 90° and SunRunner 90-2) .020" thick heat treated 410 stainless steel (SunRunner 90-4) Certifications c(11) us Certified by UL for Compliance with both Canadian and US Requirements

under File E54523





- SunRunner 90° Cable Clips are designed to mount at a 90° angle to the original SunRunner®.
- The SunRunner 90° will accommodate a single cable from .20" (5,1 mm) to .30" (7,6 mm); SunRunner 90°-2 will accommodate (2) of these cables; SunRunner 90°-4 will accommodate (4) of these cables.
- SunRunner 90° Series is designed for use with PV modules mounted in the "landscape" mode. PV modules with shorter than normal junction box cables cannot be dressed out to the sides of the module. The SunRunner 90° Series will also allow the junction box cables to be run to the adjacent modules across the short side of the PV module frame.
- · Not for use in a marine salt water environment. Contact Heyco for alternative materials.
- DFARS Compliant.



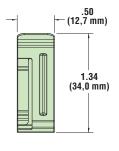


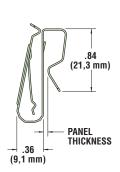


For Oval Micro-Inverter Cables

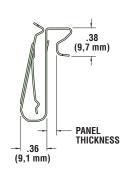
		NEL TH AMPIN mum	G RAN		CAPA		PART No.	DESCRIPTION	FOOT	PRINT		R TAB GTH
	in.	mm.	in.	mm.	in.	mm.			in.	mm.	in.	mm.
	Su	nRunn	er 4-	2				•				
	.08	2,0	.25	6,4	.25 x 1.00	6.4 x 25.4	\$6504	SunRunner 4-2 100 Pack	50 v 1 24	12,7 x 34,0	.84	21,3
		2,0	.20	0,4	.23 X 1.00	0,4 X 20,4	\$6544	SunRunner 4-2 Bulk	.50 X 1.54	12,7 X 34,0	.04	21,3
	Su	nRunn	er 4-	2U								
	.25	6,4	.25	6,4	25 v 1 00	6 4 v 0 5 4	\$6505	SunRunner 4-2U 100 Pack	E0 v 1 24	12,7 x 34,0	.38	9,7
		0,4	.20	0,4	.25 x 1.00	6,4 x 25,4	\$6545	SunRunner 4-2U Bulk	.50 x 1.34	12,7 % 34,0	.00	9,7

- Designed to hold Micro-Inverter oval cables .250" (6,3 mm) x .385"(9,8 mm).
- Constructed from heat treated 410 stainless steel for excellent strength and corrosion protection for outdoor exposure.
- Smooth clip edges prevent damage to cable insulation.
- "S" hook clip design will fit a wide variety of extruded aluminum profiles.
- SunRunner 4-2 is designed for solar mounting frames such as the ones used by with Everest, SnapNrack and similar extrusions.
- SunRunner 4-2U features a shorter S hook for Unirac, IronRidge and similar frame profiles.
- Neatly dresses cables on PV panels or along mounting frame channels from .080" (2,5 mm) to .250" (6,4 mm) thick.
- See page 1-11 for typical rack profile applications.





SunRunner 4-2



SunRunner 4-2U

ALL NEW PRODUCTS!

Material

.020" thick 410 stainless steel

Certifications

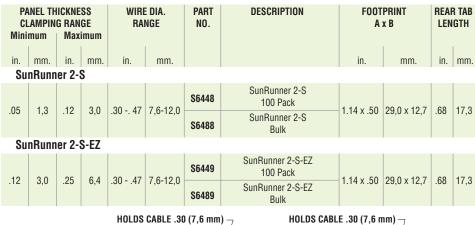
c(1) us Certified by UL for Compliance with both Canadian and US Requirements under File E54523

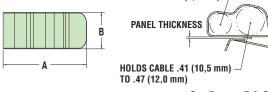
Temperature Range

-40°F (-40°C) to 572°F (300°C)

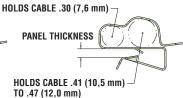
HEYClip[™] Stainless Steel SunRunner[®] 2-S Series Cable Clips

For Rail-less Systems





SunRunner® 2-S



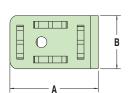
SunRunner® 2-S-EZ

NEW and IMPROVED

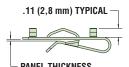
HEYClip™ SunRunner® CT Cable Tie Mounting Platforms

Stainless Steel Edge Clip

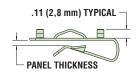
MAX (CABLE /IDTH		CLAMPII	HICKNES NG RANG Max		INSERT POINTS	PART NO.	DESCRIPTION	FOOT A:	PRINT x B		R TAB GTH
in.	mm.	in.	mm.	in.	mm.				in.	mm.	in.	mm.
ou	IIII	61 61						SunRunner CT				
.31	8,0	.06	1,5	.12	3,0	4	S6434	100 Pack	1.05 x .63	26,7 x 16,0	.77	19,5
.01	0,0	.00	1,3	.12	3,0	4	S6474	SunRunner CT Bulk	1.05 X .05	20,7 X 10,0	.11	13,3
Su	nRunn	er CT-E	Z									
.31	0.0	.12	2.0	.25	6.4	4	\$6435	SunRunner CT-EZ 100 Pack	1.06 v. 60	26.9 x 16.0	.77	19.5
.31	8,0	.12	3,0	.25	6,4	4	S6475	SunRunner CT-EZ Bulk	1.06 x .63	20,9 X 10,0	.11	19,5



Certifications







SunRunner® CT-EZ

- .020" thick heat treated 410 stainless steel (2-S & 2-S-EZ) Material
 - .025" Thick 304 stainless steel (CT & CT-EZ)
 - c(L)us Certified by UL for Compliance with both Canadian and US Requirements under File E54523

- **ALL NEW PRODUCTS**
- Designed to hold Micro-Inverter Cables .413" (10,5 mm) to .472" (12,0 mm) and Module Cables up to .300" (7,6 mm) in diameter for rail-less mounting systems.
- Constructed from heat treated 410 stainless steel for excellent strength and corrosion protection for outdoor exposure.
- Smooth clip edges prevent damage to cable installation.
- Designed for panel and cable retention up to 15 lbs.
- Neatly dress cables on PV panels or module frames from .050" (1,3 mm) to .250" (6,4 mm) thick.



- Designed to easily mount to module or frame extrusions without the need for mounting holes or adhesives.
- Designed to be used with Heyco Stainless Steel Cable Ties up to .31" (8.0 mm) width or Heyco SunBundler Stainless Steel Wire Cable Ties.
- Can now accommodate Nylon 6 & 12 cable ties.
- Hold cable bundles parallel or perpendicular to the mounting frame.
- Generous lead-in for installation without tools.
- · Constructed from corrosion resistant 304 stainless steel.
- SunRunner CT-EZ designed for thicker module frames as well as racking systems - accommodates profiles up to .250" (6,4 mm) thick.
- UL Listed per UL 1565.





Mount Parallel or Perpendicular



Designed to hold Micro-Inverter cables .413" (10,5 mm) to .472" (12,0 mm) in diameter.

- Constructed from heat treated 410 stainless steel for excellent strength and corrosion protection for outdoor exposure.
- Smooth clip edges prevent damage to cable insulation.
- "S" hook clip design will fit a wide variety of extruded aluminum profiles.
- SunRunner 2 is designed for solar mounting frames such as the ones used by Unirac, Solar Mount and Mounting Systems.
- SunRunner 2-R is designed for racking systems such as the ones used by Haticon Solar and S:FLEX.
- SunRunner 2-U features a shorter S hook for Unirac and other similar frame profiles.
- Neatly dresses cable on PV panels or along mounting frame channels from .080" (2,0 mm) to .250" (6,4 mm) thick.
- See page 1-11 for typical rack profile applications.
- Not for use in a marine salt water environment. Contact Heyco for alternative materials.
- DFARS Compliant.



CL		HICKNE NG RAN Maxi			E DIA. NGE	PART NO.	DESCRIPTION	FOOTI	PRINT		R TAB GTH
in.	mm.	in.	mm.	in.	mm.			in.	mm.	in.	mm.
Sı	unRu	nner®	2								
.08	2,0	.25	6,4	.30 47	7,6-	\$6404	SunRunner® 2 100 Pack	.50 x 1.30	12,7 x 33,0	.84	21,3
.00	2,0	.20	0,4	.30 47	12,0 S6444		SunRunner® 2 Bulk	.50 X 1.50	12,7 x 33,0	.04	21,3
Sı	unRu	nner®	2-R								
.38	9,7	.38	9,7	.30 47	7,6-	\$6402	SunRunner® 2-R 100 Pack	50 v 1 20	12,7 x 33,0	.41	10,4
.30	3,1	.30	5,1	.50 47	12,0	S6442	SunRunner® 2-R Bulk	.30 X 1.30	12,7 x 33,0	.41	10,4
Sı	unRu	nner®	2-U								
25	6,4	.25	6,4	.30 47	7,6-	\$6401	SunRunner® 2-U 100 Pack	50 v 1 30	12,7 x 33,0	.38	9,7
.25	0,4	.20	0,4	.50 47	12,0	S6441	SunRunner® 2-U Bulk	1.00	12,1 × 55,0	.00	3,1



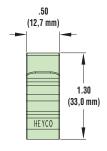
SunRunner 2

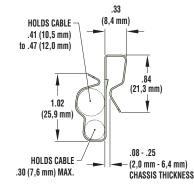


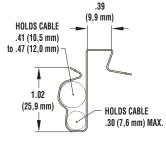
SunRunner 2-R

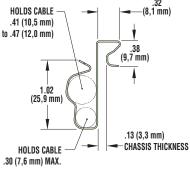


SunRunner 2-U











Material

.020" thick heat treated 410 stainless steel

HEYClip[™] Nylon UVX* SunRunner[®] 2 Series Cable Clips for Micro-Inverter Cables

*Extended UV Protection

CL	NEL TH AMPIN mum	G RAN			E DIA. NGE	PART NO.	DESCRIPTION	FOOT	PRINT		R TAB GTH
in.	mm.	in.	mm.	in.	mm.			in.	mm.	in.	mm.
Su	nRunn	er 2 l	JVX								
.08	2.0	.25	6.4	20 47	76100	S6463	SunRunner 2 UVX 100 Pack	E0 v 1 44	10.7 v 26.6	.94	23,9
.00	2,0	.20	0,4			S6473	SunRunner 2 UVX Bulk	.50 X 1.44	12,7 x 36,6	.94	23,9
Su	nRunn	er 2-l	R UVX								
20	0.7	20	0.7	20 47	76400	S6462	SunRunner 2-R UVX 100 Pack	F0 v 1 44	10.7 × 00.0	EC	140
.38	9,7	.38	9,7	.3047	7,6-12,0	S6472	SunRunner 2-R UVX Bulk	.50 X 1.44	12,7 x 36,6	.56	14,2
Su	nRunn	er 2-l	J UVX								
.25	6.4	25	6.4	20 47	76100	S6461	SunRunner 2-U UVX 100 Pack	E0 v 1 44	10.7 v 26.6	E2	12.5
.25	6,4	.25	6,4	.30 47	7,6-12,0	S6471	SunRunner 2-U UVX Bulk	.50 x 1.44	12,7 x 36,6	.53	13,5







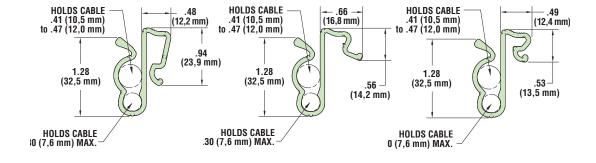
SunRunner 2 UVX

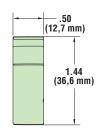
SunRunner 2-R UVX

SunRunner 2-U UVX



- Designed to hold Micro-Inverter cables .413" to .472" (10,5 to 12,0 mm) in diameter.
- Constructed from extended protection nylon UV material for lower cost, excellent strength, and corrosion protection from outdoor exposure.
- Smooth clip edges prevent damage to cable insulation.
- "S" hook clip design will fit a wide variety of extruded aluminum profiles.
- SunRunner 2 UVX is designed for solar mounting frames such as the ones used by Unirac, Solar Mount and Mounting Systems.
- SunRunner 2-R UVX is designed for racking systems such as the ones used by Haticon Solar and S:FLEX.
- SunRunner 2-U UVX features a shorter "S" hook for Unirac and other similar frame profiles.
- Neatly dresses cables on PV panels or along mounting frame channels from .080" (2,0 mm) to .250" (6,4 mm) thick.
- Molded from UV/Heat Stabilized Nylon.
- See page 1-11 for typical rack profile applications.





Material Nylon 6/6 with extended UV capabilities

Flammability Rating 94V-2

Temperature Range -.4°F (-18°C) to 185°F (85°C)



HEYClip[™] Stainless Steel and Nylon UVX SunRunner[®] 2 and SunRunner[®] 4-2 Series Cable Clips for Micro-Inverter Cables (Stainless Steel shown below)

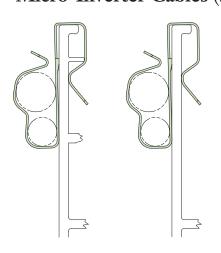
"Where Used" Rack Profiles

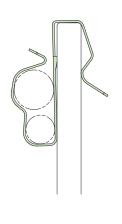
> SunRunner 2 SunRunner 4-2 fits Everest, SnapNrack,

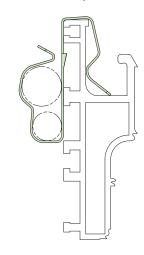
> and similar rack profiles

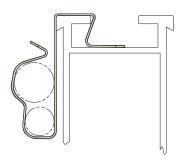
Consult Heyco for clips to meet your specific rack profile

SunRunner 2-R fits Haticon Solar, S:FLEX and similar rack profiles

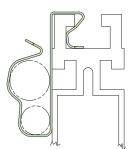












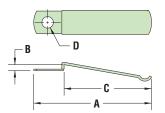


- This vinyl coated spring steel clamp secures round cable, ribbon cable, and tubing.
- Vinyl coating protects and insulates.
- Mounts with a #6 (M3,5) screw, yet cable can be inserted and removed without removing the clip.

HEYClip™ Vinyl Coated Spring Clamps



PART	DESCRIPTION				PART DIM	ENSIONS			
NO.		1	A	В	}	(;)
		Ler	ngth	Clampin	g Height	Clampin	g Length	Mountir	ng Hole
		in.	mm.	in.	mm.	in.	mm.	in.	mm.
12710	VCSP-161-09	1.61	40,9	.09	2,3	1.19	30,2	150	4.0
12711	VCSP-263-09	2.63	66.8	.09	2.3	2.24	56.9	.156	4,0



Material

VCSP Body: Stainless steel, w/vinyl coating .02" (0,5 mm) thick Coating: Soft, PVC, .032" (0,8 mm) minimum thickness

$HEYClip^{^{\mathrm{m}}}\,SunRunner^{^{\otimes}}\,Solar\,\,Cable\,\,Clips\,\,Quick\,\,Reference\,\,Ordering\,\,Guide$

	Description	Application	Style		Bulk Pack
	SunRunner Vidrio™ Clip 1 or 2 cable PV	for frameless modules	Frameless Clips	\$6460	\$6500
	SunRunner Clip 1 or 2 cable PV	for standard applications		\$6405	\$6445
	SunRunner 316 Clip 1 or 2 cable PV	316 Stainless Steel for high salt air applications		\$6490	\$6495
	SunRunner EZ Clip 1 or 2 cable PV	designed for thicker panels		\$6407	S6447
	SunRunner 4 Clip 4 cable PV, Solaredge or flat trunk cable	for standard applications	Module Clips	\$6443	\$6483
	SunRunner 90 Clip 90° single cable PV	90° single cable		\$6406	S6446
	SunRunner 90-2 90° two cable PV	90° two cable	NEW.	\$6436	S6476
	SunRunner 90-4 Clip 90° four cable PV or flat trunk cable	90° four cable	ENEW 3	\$6439	\$6479
	SunRunner 2-S Clip Round trunk cable clip	Ecolibrium Solar & other similar rail-less systems		S6448	S6488
	SunRunner 2 Clip Round trunk cable	Everest, SnapNRack, Solar Mount, & similar rack profiles		\$6404	S6444
	SunRunner 4-2 Clip Enphase Q cable	Everest, SnapNRack, Solar Mount, & similar rack profiles	NEW 3	\$6504	\$6544
	SunRunner 2-U Clip Round trunk cable	Unirac, Ironridge, & similar rack profiles		\$6401	S6441
	SunRunner 4-2U Clip Enphase Q cable	Unirac, Ironridge, & similar rack profiles	NEW 3	\$6505	S6545
	SunRunner 2-R Clip Round trunk cable	S:Flex, Mounting Systems, Renusol, & similar rack profiles	Top Rail Clips	S6402	S6442
4	SunRunner 2-UVX Clip Nylon round trunk cable	Everest, SnapNRack, Solar Mount, & similar rack profiles		\$6463	\$6473
	SunRunner 2-U-UVX Clip Nylon round trunk cable	Unirac, Ironridge, & similar rack profiles		S6461	S6471
	SunRunner 2-R-UVX Clip Nylon round trunk cable	S:Flex, Mounting Systems, Renusol, & similar rack profiles		S6462	\$6472





- Feature metal pawl for high strength and better durability.
- Self-locking head design speeds installation and locks into place at any length along the tie body.
- Provide a strong, durable method of cable bundling.
- Can be used in a wide range of indoor, outdoor, and underground (including direct burial) applications.
- Smooth surfaces and rounded edges assure cable protection and worker safety.
- Part Description Key: NTMP-XXX-YYY where XXX = tensile (foot pounds) and YYY = length (inches x 10).
- These parts are not covered under Heyco's solar warranty.

For Heyco's complete line of Nylon Cable Ties & Platforms, see pages 7-64 thru 7-69 in Heyco Catalog 117

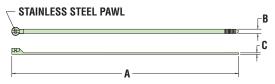


- Extremely durable, vinyl jacketed Stainless Steel Cable Tie.
- Smooth vinyl jacketing prevents damage to installation cable insulation.
- Stainless steel crimp sleeve for easy field installation with electrician linesman pliers, or wire cutters.
- Certified by UL Specification 62275 for indoor and outdoor usage.
- UV protected vinyl jacket is excellent for solar installation where product durability is required.
- Use standard wire cutters to both crimp the sleeve and cut the excess wire.
- Not for use in a marine salt water environment. Contact Heyco for alternative materials.
- DFARS Compliant.

Heyco® Nytyes® with Stainless Steel Locking Device

	P/	ART SPE	CIFICATI	IONS	PAR	ΓNO.	DESCRIPTION		PA	RT DIM	ENSION	S	
	Min. T Stre Lbs.			Bundle neter mm.	Natural	Black		Len in.	\ I gth mm.		B dth mm.		C kness mm.
	18	80	.87	22,0	13000	13000B	NTMP-018-039	3.90	100	.12	3,0	.04	1,1
	35	160	1.42	36,0	13001	13001B	NTMP-036-059	5.90	150	.16	4,0	.05	1,2
	33	100	2.09	53,0	13002	13002B	NTMP-036-079	7.90	200	.10	4,0	.05	1,2
	15	200	2.56	65,0	13003	13003B	NTMP-045-098	9.80	250	.20	5.0		
	45	200	2.99	76,0	13004	13004B	NTMP-045-118	11.80	300	.20	5,0		
			2.09	53,0	13008	13008B	NTMP-056-079	7.90	200	.31	8.0	.06	1,5
	56	250	2.60	66,0	13009	13009B	NTMP-056-094	9.40	240	.01	0,0		
			2.99	76,0	13010	13010B	NTMP-056-118	11.80	300				
			2.99	76,0	13011	13011B	NTMP-112-118	11.80	300				
	112 50	500	3.74	95,0	13012	13012B	NTMP-112-138	13.80	350				
			4.45	113,0	13013	13013B	NTMP-112-157	15.70	400	.39	10,0	.07	1,7
	124 5	EEO	4.72	120,0	13014	13014B	NTMP-124-177	17.70	450				
		550	6.22	158,0	13015	13015B	NTMP-124-197	19.70	500				

Standard colors natural and UV Black.



Material Nylon 6/6 wire tie with a stainless steel locking pawl

Flammability Rating

Temperature Range -40°F (-40°C) to 185°F (85°C)

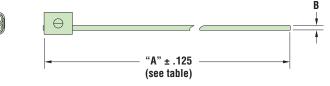
Heyco[®] SunBundler[®]

Crimp Lock PVC Coated Stainless Steel Wire Cable Ties



Max. T Strei	ensile		IS Bundle neter	PART Bla 100 Pack	T NO. Ick Bulk	DESCRIPTION	<i>l</i> Len	PART DIM A igth	B Diameter		
Lbs.	N	in.	mm.				in.	mm.	in.	mm.	
Black	vinyl jac	keted 30	2/304 sta	inless ste	el wire						
		2.30	58,4	S6408	S6409	SunBundler® 8	8	203			
		2.92	74,2	S6410	S6411	SunBundler® 10	10	254			
100	440	3.88	98,6	S6412	S6413	SunBundler® 12	12	305	.06	1,6	
		4.20	106,7	S6414	S6415	SunBundler® 14	14	356			
		6.36	161,5	S6420	S6421	SunBundler® 20	20	508			
Standard	color Black										





Material Certifications



Commercial Aircraft Grade 302/304 stainless wire w/UV protected vinyl jacket $_{c}(\Psi_{L})_{us}$ Certified by Underwriters' Laboratories for Compliance to both Canadian and U.S. Requirements under File E54523

Temperature Range

-40°F (-40°C) to 221°F (105°C)



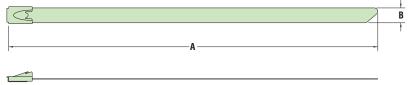
For Heyco's complete line of Nylon Cable Ties & Platforms, see pages 7-64 thru 7-69 in Heyco Catalog 117

a PennEngineering® Company

Heyco[®] Stainless Steel Cable Ties

Ball Lock Stainless Steel Strip Cable Ties – Standard and PVC Coated

Strength Libs. N Int. mm. Mm. Steel Black Length Int. mm. Int. Midth Int. mm. Int. Int.	PAF Min. T		CIFICATIO Max. B		PART	NO. PVC	DESCRIPTION	PAR A	T DIMENS	SIONS	
AISI 304 118					Standard					_	1
1.18 30,0 12801 12801B NTSS-0150-46A 5.91 150,0 2.05 52,0 12802 12802B NTSS-0200-46A 7.87 200,0 2.68 68,0 12803 12803B NTSS-0200-46A 7.87 200,0 2.68 68,0 12805 12805B NTSS-0300-46A 11.81 300,0 3.23 382,0 12806 12806B NTSS-0300-46A 11.81 300,0 3.33 110,0 12806 12806B NTSS-0300-46A 15.75 400,0 4.33 110,0 12801 12810B NTSS-0400-46A 15.75 400,0 7.09 180,0 12812 12812B NTSS-0600-46A 23.62 600,0 7.09 180,0 12814 12814B NTSS-0800-46A 31.50 800,0 7.09 180,0 12812 12812B NTSS-0800-46A 31.50 800,0 7.09 180,0 12812 12812B NTSS-0200-79A 7.87 200,0 2.05 52,0 12821 12822B NTSS-0200-79A 7.87 200,0 2.68 68,0 12822 12822B NTSS-0300-79A 11.81 300,0 3.36 98,0 12825 12825B NTSS-0300-79A 11.81 300,0 3.31 3.33 3.34 3.110,0 12827 12827B NTSS-0400-79A 13.78 350,0 3.31 3.34 3.			in.	mm.	Steel	Black		in.	mm.	in.	mm.
112 2.05 52.0 12802 128028 NTSS-0200-46A 7.87 200.0 2.68 68.0 12803 128058 NTSS-0300-46A 11.81 300.0 3.82 3.23 82.0 12806 128068 NTSS-0300-46A 11.81 300.0 3.86 98.0 12806 128068 NTSS-0350-46A 13.78 350.0 1.8 35.75 146.0 12810 128108 NTSS-0400-46A 15.75 400.0 4.33 110.0 12812 128128 NTSS-0600-46A 19.69 500.0 4.30 12.00 12.814 128148 NTSS-0600-46A 19.69 500.0 4.30 12.815 12.8128 NTSS-0600-46A 23.62 600.0 4.30 4.30 12.822 12.8228 NTSS-0600-46A 31.50 800.0 4.30 3.86 98.0 12822 128228 NTSS-0200-79A 9.84 250.0 3.86 98.0 12825 128258 NTSS-0300-79A 13.78 350.0 3.86 98.0 12827 128278 NTSS-0300-79A 13.78 350.0 3.86 30.0 12831 128318 NTSS-0600-79A 27.56 700.0 3.10 3.20 3.20 3.20 3.20 3.23 3.20 3.283 128338 NTSS-0700-79A 3.27.56 700.0 3.20 3.20 3.20 3.20 3.23 3.20 3.283 128338 NTSS-0700-79A 3.575 400.0 3.20	AISI	I 304									
112 500 3.23 82.0 12805 128058 NTSS-0250-46A 9.84 250.0 3.26 3.23 82.0 12806 128068 NTSS-0300-46A 11.81 300.0 3.86 98.0 12808 128068 NTSS-0300-46A 13.78 350.0 .18 4.33 110.0 12808 128088 NTSS-0400-46A 15.75 400.0 5.75 146.0 12810 128108 NTSS-0500-46A 15.75 400.0 4.33 10.0 12812 128128 NTSS-0600-46A 23.62 600.0 4.33 10.0 12812 128128 NTSS-0600-46A 31.50 800.0 4.33 10.0 12814 128148 NTSS-0800-46A 31.50 800.0 4.33 32.3 82.0 12824 128228 NTSS-0200-79A 7.87 200.0 2.66 68.0 12822 128228 NTSS-0250-79A 9.84 250.0 3.23 82.0 12824 128248 NTSS-0300-79A 11.81 300.0 3.86 98.0 12825 128258 NTSS-0350-79A 13.78 350.0 3.86 98.0 12827 128278 NTSS-0400-79A 15.75 400.0 3.11 4.33 110.0 12827 128278 NTSS-0500-79A 13.78 350.0 3.11 3.20 3.20 3.20 3.23 3.20 12831 128318 NTSS-0600-79A 31.50 800.0 3.20 3.20 3.20 3.20 3.23 3.20 12834 128318 NTSS-0600-79A 31.50 800.0 3.20 3.20 3.20 3.20 3.20 3.20 3.20 3.23 3.20 12856 12858 NTSS-0300-79A 31.50 800.0 3.20			1.18		12801	12801B	NTSS-0150-46A				
112 500 3.86 98.0 12805 128058 NTSS-0300-46A 11.81 300,0 1.8											
112 500 3.86 98,0 12806 12806B NTSS-0350-46A 13.78 350,0 .18									,-		
1115									1 '		
1115 15.75 146,0 12810 12810B NTSS-0500-46A 19.69 500,0	112	500							1 '	.18	4,6
1115									,-		
9.50 240,0 12814 12814B											
2.05 52,0 12821 12821B NTSS-0200-79A 7.87 200,0									1 '		
250 1115 2.68 68,0 12822 12822B NTSS-0250-79A 9.84 250,0 3.23 82,0 12824 12824B NTSS-0300-79A 11.81 300,0 3.86 98,0 12825 12825B NTSS-0350-79A 13.78 350,0 3.1 3.86 98,0 12827 12827B NTSS-0350-79A 13.78 350,0 3.1 3.78 350,0 3.1 3.78 3.50,0 3.1 3.78 3.50,0 3.1 3.78 3.50,0 3.1 3.78 3.50,0 3.1 3.78 3.50,0 3.1 3.78 3.50,0 3.1 3.78 3.50,0 3.1 3.78 3.50,0 3.1 3.78 3.50,0 3.1 3.78 3.50,0 3.1 3.78 3.50,0 3.1 3.1 3.78 3.50,0 3.1 3.1 3.78 3.50,0 3.1											
250								-			
1115											
1115									1 '		
1.18	050	4445	4.33				NTSS-0400-79A	15.75	1 '	0.4	7,9
1.09	250	1115	5.75	146,0	12829	12829B	NTSS-0500-79A	19.69	500,0	.31	7,9
9.50			7.09		12831	12831B	NTSS-0600-79A	23.62			
AISI 316 12.09 307,0 12836 12836B NTSS-1000-79A 39.37 1000,0			8.27	210,0	12833	12833B	NTSS-0700-79A	27.56	700,0		
AISI 316 1.18 30,0 12851 12851B NTSS-0150-46B 5.91 150,0			9.50	240,0	12834	12834B	NTSS-0800-79A	31.50	800,0		
1.18 30,0 12851 12851B NTSS-0150-46B 5.91 150,0 2.05 52,0 12852 12852B NTSS-0200-46B 7.87 200,0 2.68 68,0 12853 12853B NTSS-0250-46B 9.84 250,0 3.23 82,0 12855 12855B NTSS-0300-46B 11.81 300,0 3.86 98,0 12856 12856B NTSS-0350-46B 13.78 350,0 18 4.33 110,0 12858 12858B NTSS-0350-46B 15.75 400,0 5.75 146,0 12860 12860B NTSS-0500-46B 19.69 500,0 7.09 180,0 12864 12864B NTSS-0800-46B 23.62 600,0 9.50 240,0 12864 12871B NTSS-0800-46B 31.50 800,0 2.68 68,0 12872 12872B NTSS-0200-79B 7.87 200,0 3.23 82,0 12874 12874B NTSS-0300-79B 11.81 300,0 3.86 98,0 12875 12875B NTSS-0350-79B 13.78 350,0 3.86 98,0 12875 12875B NTSS-0350-79B 13.78 350,0 3.86 98,0 12877 12877B NTSS-0400-79B 15.75 400,0 3.86 98,0 12875 12875B NTSS-0500-79B 15.75 400,0 3.86 98,0 12875 12875B NTSS-0500-79B 15.75 400,0 3.86 98,0 12881 12881B NTSS-0500-79B 23.62 600,0 3.27 210,0 12881 12881B NTSS-0500-79B 23.62 600,0 3.50 300,0 3			12.09	307,0	12836	12836B	NTSS-1000-79A	39.37	1000,0		
112 2.05 52,0 12852 12852B NTSS-0200-46B 7.87 200,0 2.68 68,0 12853 12853B NTSS-0250-46B 9.84 250,0 3.23 82,0 12855 12855B NTSS-0300-46B 11.81 300,0 3.86 98,0 12856 12856B NTSS-0300-46B 13.78 350,0 1.8 4.33 110,0 12858 12858B NTSS-0400-46B 15.75 400,0 5.75 146,0 12860 12860B NTSS-0500-46B 19.69 500,0 7.09 180,0 12862 12862B NTSS-0600-46B 23.62 600,0 9.50 240,0 12864 12874B NTSS-0800-46B 31.50 800,0	AISI	l 316							<	NEW P	RODUCT
112 2.68 68,0 12853 12853B NTSS-0250-46B 9.84 250,0 3.23 82,0 12855 12855B NTSS-0300-46B 11.81 300,0 3.86 98,0 12856 12856B NTSS-0350-46B 13.78 350,0 1.8 4.33 110,0 12858 12858B NTSS-0400-46B 15.75 400,0 5.75 146,0 12860 12860B NTSS-0500-46B 19.69 500,0 7.09 180,0 12864 12864B NTSS-0600-46B 23.62 600,0 9.50 240,0 12864 12871B NTSS-0800-46B 31.50 800,0			1.18	30,0	12851	12851B	NTSS-0150-46B	5.91	150,0		
112 3.23 82,0 12855 12855B NTSS-0300-46B 11.81 300,0 3.86 98,0 12856 12856B NTSS-0350-46B 13.78 350,0 .18 4.33 110,0 12858 12858B NTSS-0400-46B 15.75 400,0 5.75 146,0 12860 12860B NTSS-0500-46B 19.69 500,0 7.09 180,0 12862 12862B NTSS-0600-46B 23.62 600,0 9.50 240,0 12864 12864B NTSS-0800-46B 31.50 800,0			2.05	52,0	12852	12852B	NTSS-0200-46B	7.87	200,0		
112 500 3.86 98,0 12856 12856B NTSS-0350-46B 13.78 350,0 .18 4.33 110,0 12858 12858B NTSS-0400-46B 15.75 400,0 5.75 146,0 12860 12860B NTSS-0500-46B 19.69 500,0 7.09 180,0 12862 12862B NTSS-0600-46B 23.62 600,0 9.50 240,0 12864 12864B NTSS-0800-46B 31.50 800,0 2.05 52,0 12871 12871B NTSS-0200-79B 7.87 200,0 2.68 68,0 12872 12872B NTSS-0250-79B 9.84 250,0 3.23 82,0 12874 12874B NTSS-0300-79B 11.81 300,0 3.86 98,0 12875 12875B NTSS-0350-79B 13.78 350,0 4.33 110,0 12877 12877B NTSS-0500-79B 15.75 400,0 5.75 146,0 12879 12879B			2.68	68,0	12853	12853B	NTSS-0250-46B	9.84	250,0		
1115 1115 1116 1287 12878 12888 NTSS-0400-46B 15.75 400,0							NTSS-0300-46B		1 '		
1115 1115 1116 1117 1118 118 118 1118 1118 1118 1118 1118 1118 1118 1118 118 1118 118	112	500								.18	4,6
1115 1115 1116 1117 1118 118 118 1118 1118 1118 1118 1118 1118 1118 1118 118 118 1118 1118 1118 1118 1118 1118 1118 1118 118 1118 1118 118				· '							
9.50 240,0 12864 12864B NTSS-0800-46B 31.50 800,0											
250 1115 2.05 52.0 12871 12871B NTSS-0200-79B 7.87 200,0 2.68 68,0 12872 12872B NTSS-0250-79B 9.84 250,0 3.23 82,0 12874 12874B NTSS-0300-79B 11.81 300,0 3.86 98,0 12875 12875B NTSS-0350-79B 13.78 350,0 3.86 3.31 110,0 12877 12877B NTSS-0400-79B 15.75 400,0 5.75 146,0 12879 12879B NTSS-0500-79B 19.69 500,0 7.09 180,0 12881 12881B NTSS-0500-79B 23.62 600,0 8.27 210,0 12883 12883B NTSS-0700-79B 27.56 700,0 9.50 240,0 12884 12884B NTSS-0800-79B 31.50 800,0 12.09 307,0 12886 12886B NTSS-1000-79B 39.37 1000,0									1 '		
250 1115 2.68 68,0 12872 12872B NTSS-0250-79B 9.84 250,0 3.23 82,0 12874 12874B NTSS-0300-79B 11.81 300,0 3.86 98,0 12875 12875B NTSS-0350-79B 13.78 350,0 3.86 3.31 110,0 12877 12877B NTSS-0400-79B 15.75 400,0 5.75 146,0 12879 12879B NTSS-0500-79B 19.69 500,0 7.09 180,0 12881 12881B NTSS-0500-79B 23.62 600,0 8.27 210,0 12883 12883B NTSS-0700-79B 27.56 700,0 9.50 240,0 12884 12884B NTSS-0800-79B 31.50 800,0 12.09 307,0 12886 12886B NTSS-1000-79B 39.37 1000,0				- , -					, .		
250 1115 3.23 82,0 12874 12874B NTSS-0300-79B 11.81 300,0 3.86 98,0 12875 12875B NTSS-0350-79B 13.78 350,0 3.86 4.33 110,0 12877 12877B NTSS-0400-79B 15.75 400,0 5.75 146,0 12879 12879B NTSS-0500-79B 19.69 500,0 7.09 180,0 12881 12881B NTSS-0600-79B 23.62 600,0 8.27 210,0 12883 12883B NTSS-0700-79B 27.56 700,0 9.50 240,0 12884 12884B NTSS-0800-79B 31.50 800,0 12.09 307,0 12886 12886B NTSS-1000-79B 39.37 1000,0								-			
250 1115 3.86 98,0 12875 12875B NTSS-0350-79B 13.78 350,0 4.33 110,0 12877 12877B NTSS-0400-79B 15.75 400,0 5.75 146,0 12879 12879B NTSS-0500-79B 19.69 500,0 7.09 180,0 12881 12881B NTSS-0600-79B 23.62 600,0 8.27 210,0 12883 12883B NTSS-0700-79B 27.56 700,0 9.50 240,0 12884 12884B NTSS-0800-79B 31.50 800,0 12.09 307,0 12886 12886B NTSS-1000-79B 39.37 1000,0											
250											
250 1115 5.75 146,0 12879 12879B NTSS-0500-79B 19.69 500,0 .31 7.09 180,0 12881 12881B NTSS-0600-79B 23.62 600,0 8.27 210,0 12883 12883B NTSS-0700-79B 27.56 700,0 9.50 240,0 12884 12884B NTSS-0800-79B 31.50 800,0 12.09 307,0 12886 12886B NTSS-1000-79B 39.37 1000,0				· '							
7.09 180,0 12881 12881B NTSS-0600-79B 23.62 600,0 8.27 210,0 12883 12883B NTSS-0700-79B 27.56 700,0 9.50 240,0 12884 12884B NTSS-0800-79B 31.50 800,0 12.09 307,0 12886 12886B NTSS-1000-79B 39.37 1000,0	250	1115								.31	7,9
8.27 210,0 12883 12883B NTSS-0700-79B 27.56 700,0 9.50 240,0 12884 12884B NTSS-0800-79B 31.50 800,0 12.09 307,0 12886 12886B NTSS-1000-79B 39.37 1000,0											
9.50 240,0 12884 12884B NTSS-0800-79B 31.50 800,0 12.09 307,0 12886 12886B NTSS-1000-79B 39.37 1000,0											
12.09 307,0 12886 12886B NTSS-1000-79B 39.37 1000,0			9.50	· '		12884B		31.50			
			12.09			12886B	NTSS-1000-79B	39.37			
			5								 B



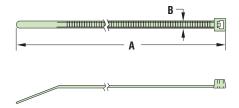
Materials AISI 304 or 316 stainless steel with PVC coating



- For ease of assembly, position locking head so that the widest end is down.
- Part Description Key: NTSS-XXXX-YYA where XXXX = length (mm) and YYA = width (mm) with A indicating AISI 304 stainless steel and B indicating AISI 316 stainless steel.
- Stainless steel cable ties have more strength and better durability than nylon cable ties.
- Locking ball design for maximum holding strength and ease of installation.
- Coated ties offer additional protection and separation of dissimilar metals for improved corrosion resistance.
- Suitable for harsh outdoor environments; conform to standard IEC92 for Marine Electrical Appliances and the requirements of CB1113-85 "Plastic Covered Metal Cable Ties", "Steel Sea Boats Construction Level Standard."
- Secure bundles in moist and high temperature environments with decay, fire, corrosion, and radio resistance.
- · Widely used in shipping, communication, and flight applications.
- .010" (0,25 mm) thick.
- Custom lengths available.
- 100 pack standard.



- · Smooth, radiused edges ensure that
- Nytyes won't cut into the cable's insulation-or the installer's hand.
- One-piece design reduces cost and installation time.
- Nytyes feature a bent tip for ease of pickup and insertion around small bundles. V-shaped raised ridges on the tip provide a sure grip.
- Close, evenly spaced teeth permit fine adjustment-from .025" (0,6 mm) on the smallest Nytyes to .063" (1,6 mm) on the largest.
- Compliant with MS3367 and MIL-S-23190E



Heyco® Cable Tie **Tensioning Tool**



Part No. 0998 fits all standard duty Nytyes. Metal construction, has three tension settings, and automatically trims excess.



Heyco® Nytye® Nylon Cable Ties

	ART SPECI			PAR	T NO.	DESCRIPTION		RT DIME		
	Tensile ngth		Bundle neter	Natural	UV Black		A Len		Wi	
Lbs.	⊢ N	in.	mm.	Ivaturai	Diack		in.	yııı ı mm.	in.	mm.
Minia	ture									
IVIIII	luio	.63	16,0	13100	13100B	NT-18-031	3.15	80		
		.87	22,0	13102	13102B	NT-18-039	3.94	100		
		1.18	30,0	13105	13105B	NT-18-047	4.72	120		
18	80	1.38	35,0	13107	13107B	NT-18-059	5.91	150	.10	2,5
		1.57	40,0	13108	13108B	NT-18-063	6.30	180		
		2.36	60,0	13111	13111B	NT-18-078	7.87	200		
Interi	nediate		,							
		.87	22,0	13120	13120B	NT-40-039	3.94	100		
		1.18	30,0	13121	13121B	NT-40-047	4.72	120		
		1.30	33,0	13122	13122B	NT-40-055	5.51	140		
		1.38	35,0	13123	13123B	NT-40-059	5.91	150		
40	178	1.65	42,0	13124	13124B	NT-40-070	7.09	180	.14	3,6
40	170	1.97	50,0	13126	13126B	NT-40-078	7.87	200	.14	3,0
		2.56	65,0	13128	13128B	NT-40-099	9.92	252		
		3.15	80,0	13129	13129B	NT-40-110	11.02	280		
		3.35	85,0	13130	13130B	NT-40-118	11.81	300		
		4.02	102,0	13134	13134B	NT-40-145	14.57	370		
Stand	lard*								I	
		.94	24,0	13140	13140B	NT-50-047	4.72	120		
		1.57	40,0	13142	13142B	NT-50-063	6.30	160		
		1.65	42,0	13143	13143B	NT-50-072	7.20	183		
		1.97	50,0	13145	13145B	NT-50-078	7.87	200		
		2.56	65,0	13147	13147B	NT-50-098	9.84	250		
		2.76	70,0	13149	13149B	NT-50-110	11.02	280		
50	222	3.23	82,0	13151	13151B	NT-50-118	11.81	300	.19	4,8
		3.54	90,0	13153	13153B	NT-50-137	13.78	350		
		4.02	102,0	13155	13155B	NT-50-145	14.57	370		
		4.13	105,0	13156	13156B	NT-50-157	15.75	400		
		5.12	130,0	13158	13158B	NT-50-177	17.72	450		
		5.91	150,0	13160	13160B	NT-50-196	19.68	500		

Standard colors natural and UV Black.

Heyco® Nytye® Nylon 12 Cable Ties



		ART SPEC Tensile ngth N	IFICATION Max. E Diam in.	Bundle	PAR' UV Black Bulk	T NO. UV Black 100 Packs	DESCRIPTION	PA A Len in.		NSION: E Wid in.	3
5	60	222	1.97 2.76 3.54 3.98	50,0 70,0 90,0 101.0	13343B 13345B 13346B 13347B	13343B-P 13345B-P 13346B-P 13347B-P	NT-50-078-12 NT-50-110-12 NT-50-137-12 NT-50-149-12	7.87 11.02 13.78 14.96	200 280 350 380	.19	4,8

Standard color UV Black.

Material Certifications



Nylon 6/6 or Nylon 12

Certified by UL for Compliance with both Canadian and U.S. requirements under File E54523 (Nylon 6/6 only)

Flammability Rating Temperature Range

-40°F (-40°C) to 185°F (85°C)

-58°F (-50°C) to 302°F (150°C) (Nylon 12)

^{*}Standard UV Black Nytyes available in 100 packs. Add -P to Part No.; eg, 13140B-P.



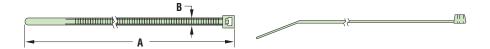
Heyco® Nytye® Heavy Duty and Extra Heavy Duty/HVAC Nylon Cable Ties

Max.	ART SPEC Tensile ength	IFICATIO Max. E Diam in.	Bundle	PAR Natural	T NO. UV Black	DESCRIPTION	Len in.	1	MENSIONS B Wid in.	
Heav	y Duty									
120	534	1.30 1.97 2.48 3.23 3.54 3.98 4.13	33,0 50,0 63,0 82,0 90,0 101,0 105,0	13172 13175 13178 13181 13183 13185 13186	13172B 13175B 13178B 13181B 13183B 13185B 13186B	NT-120-059 NT-120-078 NT-120-098 NT-120-118 NT-120-137 NT-120-149 NT-120-157	5.91 7.87 9.84 11.81 13.78 14.96 15.75	150 200 250 300 350 380 400	.30	7,6
		6.10	155,0	13190	13190B	NT-120-216	21.65	550		
Extra	Heavy	Duty/H\	/AC							
175	778	7.48 9.65 10.67 11.42 14.49	190,0 245,0 271,0 290,0 368,0	13208 13215 13217 13218 13220	13208B 13215B 13217B 13218B 13220B	NT-175-256 NT-175-315 NT-175-362 NT-175-394 NT-175-482	25.59 31.50 36.22 39.37 48.23	650 800 920 1000 1225	.35	9,0

Standard colors natural and UV Black. Consult Heyco for heat-stabilized material and colors.



- Smooth, radiused edges ensure that Nytyes won't cut into the cable's insulation-or the installer's hand.
- One-piece design reduces cost and installation time.
- Nytyes feature a bent tip for ease of pickup and insertion around small bundles. V-shaped raised ridges on the tip provide a sure grip.
- Close, evenly spaced teeth permit fine adjustment-from .025" (0,6 mm) on the smallest Nytyes to .063" (1,6 mm) on the largest.
- Compliant with MS3367 and MIL-S-23190E





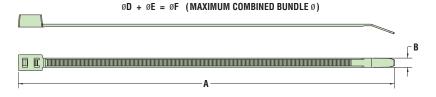
Heyco[®] Nytye[®] Double Loop Cable Ties

	PAF Tensile ength		DNS ombined Diameter :	PART NO. Natural	DESCRIPTION	P. A Len			B idth
Lbs.	N	in.	mm.			in.	mm.	in.	mm.
50	222	1.77 2.05 2.99 3.86	45,0 52,0 76,0 98,0	13320 13321 13323 13324	NTDL-050-076 NTDL-050-088 NTDL-050-118 NTDL-050-145	7.68 8.86 11.81 14.56	195 225 300 370	.19	4,8

Standard color natural.



- · Cost-effective way to secure and separate two bundles with one cable tie Quickly and easily pulls through
- increasing productivity
- Single part covers multiple bundle sizes resulting in reduced part number inventory





Material Certifications

Nylon 6/6

Certified by UL for Compliance with both Canadian and U.S. requirements under File E54523 (NT parts only)

Flammability Rating Temperature Range

94V-2

-40°F (-40°C) to 185°F (85°C)

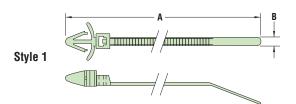


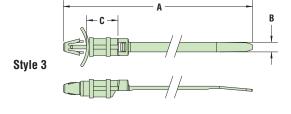


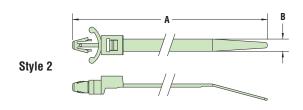
Heyco® Nytye® Push Mount Nylon Cable Ties

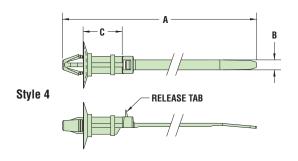
Max.	PART SPEC Tensile ngth		Bundle	PAR' Natural	T NO. UV Black	DESCRIPTION	Len		Wi			ART DIM C r Height	ENSIONS Max. F		Mour Hole		STYLE
Lbs.	N	in.	mm.				in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.	
Tensi	on Wing	S															
40	178	1.42	36,0	-	3907†	PWMS-155-HSB	6.23	158	.14	3,5	-	-	.09	2,3	.187	4,7	1
50	222	1.57	40,0	13254	13254B	PMT-50-070	7.09	180	.19	4,8	-	-	.09	2,4	.187	4,7	2
50	222	1.75	44,5	3904	3905	PMT 150	8.00	203	.19	4,8	-	-	.13	3,2	.250	6,4	1
Tensi	on Wing	s, Stand	loff														
18	80	.75	19,1	13262	13262B	PMST-18-050-156	5.04	128	.10	2,5	.24	6,1	.08	2,0	.156	4,0	<
40	178	1.38	35,0	13267	13267B	PMST-40-066-197	6.69	170	.14	3,6	.51	13,0	.08	2,0	.197	5,0	3
40	1/8	1.25	31,8	13268	13268B	PMST-40-068-187	6.81	173	.14	3,6	.78	19,8	.08	2,0	.187	4,7	
Cupped Base, Standoff, Releasable																	
30	133	1.25	31,8	13273	13273B	PMRS-30-066	6.63	168	.14	3,6	.53	13,5	.023098	0,6 - 2,5	.236255	6,0 - 6,5	4

Standard color natural and UV Black. Consult Heyco for heat-stabilized material and colors. \dagger cuRus









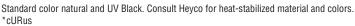


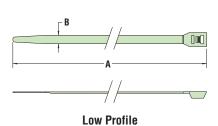
Material Nylon 6/6 Flammability Rating 94V-2

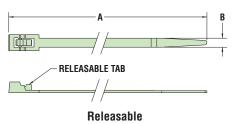
Temperature Range -40°F (-40°C) to 185°F (85°C)

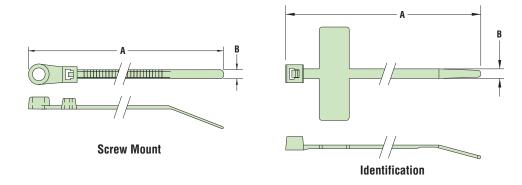
Heyco® Nytye® Nylon Cable Tie Variations

	ensile	Max. I Dian in.		PAR Natural	T NO. UV Black	DESCRIPTION	PART A Len			ONS B idth mm.				
Lov	/ Prof	ile												
65	289	5.91	150	13294	13294B	NTLP-65-097	19.68	500	.35	9,0				
Rel	easab	ole												
40	178	1.38	35,0	13297	13297B	RNT-40-059	5.94	151	.14	3,5				
50	222	1.97	50,0	13301	13301B	RNT-50-079	7.95	202	.18	4,5				
100	444	2.87	73,0	13302	13302B	RNT-100-098	9.84	250	.30	7,5				
Scr	ew M	ount									Screw	Size		
18	80	.87	22,0	13307	-	MNT-18-044	4.41	112	.10	2,5	#4 sc	rew		
40	178	1.38	35,0	13308	-	MNT-40-067	6.69	170	.14	3,6	#8 sc	rew		
50	222	1.75	44,4	3560*	-	MNT-150	8.00	203	.19	4,8	#10 s	oraw		
30	222	1.97	50,0	13309	-	MNT-50-086	8.66	220	.17	4,3	#10 5	CIEW		
	ntifica						,				in.	arking A mm.	in.	mm.
18	80	.87	22,0	13316	-	NTID-18-039	3.94	100	.10	2,5	.31	8,0	1.00	25,4









Material

Certifications c

Nylon 6/6

c Us Certified by Underwriters' Laboratories for compliance with both Canadian and US Requirements under File E54523

(Releasable and Screw Mount Nytyes only)

Flammability Rating

Temperature Range 32°F (0°C) to 185° F (85°C)

Quick Specs



- Ideal for use where holes cannot be used or where adhesives are unacceptable due to temperature issues.
- Applies easily to plastic and metal without the need for a mounting hole.
- Ideal for assembly usage. Clip provides low insertion force and high extraction.
- Two piece assembly allows the clip to slide along the strap ensuring proper orientation.

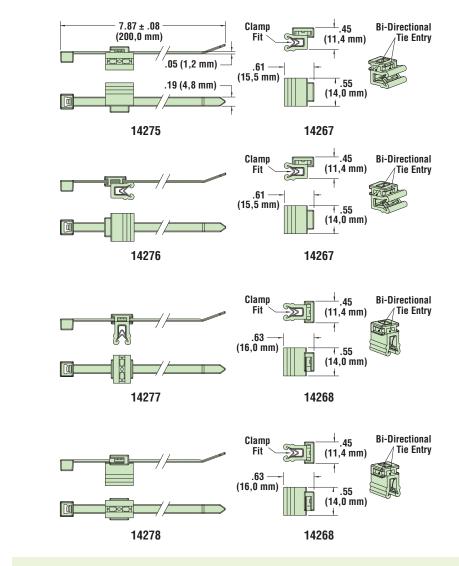


Heyco® Edge Clips

Edge Clips Unassembled or Assembled with 8" Cable Tie

	Part No. Black	D EDGE CLIP Desc.	EDGE CLIP AS Cable Tie Orientation	Part No. Black	D WITH CABLE TIE Description	Ten: Stre Lbs.	sile		TYE C/ Bundle neter mm.	Ove	_		
For	For Panels from .04" (1,0 mm) to .12" (3,0 mm) Thick												
Тор	14267	NTEC1-TB	Parallel	14275	NTEC1-TL-50-078								
тор	14207	MILOTID	Perpendicular	14276	NTEC1-TP-50-078	50	222	1.77	45.0	7.87	200		
Side	14268	NTEC1-SB	Perpendicular	ar 14277 NTEC1-SP-50-078 50		30	222	1.77	45,0	7.07	200		
Side	olde 14268		Parallel	14278	NTEC1-SL-50-078								

Standard color black.





Material Clip: Nylon 6/6 high impact modified, heat and UV stabilized

Cable Tie: Nylon 6/6 high impact modified, heat and UV stabilized or Nylon 12

Flammability Rating

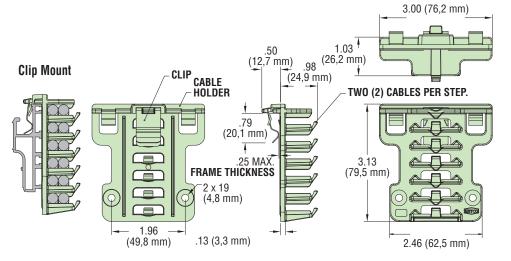
Temperature Range -40°F (-40°C) to 221°F (105°C)

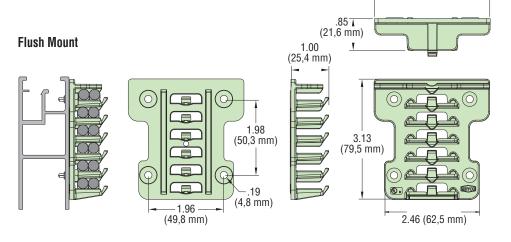
HEYClip™ MaxRunner® Cable Clip Arrays

Clip Mount or Flush Mount with Screws*, accommodates up to 12 Cables

PANEL THE CLAMPIN Minimum in. mm.	G RAN		RAI Maxi	E DIA. NGE mum Wires mm.	PART NO.	DESCRIPTION	FOOT	PRINT mm.	OVEF HEIO in.	
Clip Mou	ınt									
.06 1,5	.25	6,4	.2028	5,2 - 7,2	S6403	MaxRunner 12 Clip Mount	3.00 x 3.13	76,2 - 79,5	.98	24,9
Flush M	ount									
N/A: design flat moun			.2028	5,2 - 7,2	\$6433	MaxRunner 12 Flush Mount	3.00 x 3.13	76,2 - 79,5	1.00	25,4

*Screws not included







- Hold up to 12 cables with wire diameters ranging from .20" (5,2 mm) to .28" (7,2 mm).
- Patent Pending design is the ultimate in solar wire management.
- Molded internal locking tabs securely hold the cables in place preventing side-to-side movement or slippage of the cables.
- Constructed from PPE+PS flame retardant "Noryl" material with a V-0 flame rating and a UV (f1) rating for excellent resistance to outdoor exposure.
- Clip Mount features a versatile, 301 stainless steel mounting clip.
- Clip is designed to secure the holder to a wide variety of aluminum extruded mounting rails of various profiles with thicknesses up to .250" (6,4 mm).
- Flush Mount designed to mount on flat panels or extrusions without mounting ledges.
- Easily attaches to any flat surface with four mounting screws.
- Recommended spacing is 4 feet.
- Load Rating not to exceed 15 lbs.
- US Patent No. 8950712B2

3.00 (76,2 mm)

Materials Certifications

Flammability Rating



PPE & PS Noryl (Clipmount includes a 301 stainless steel mounting clip) Certified by UL for Compliance with both Canadian and U.S. requirements under File E54523

Temperature Range -40°F (-40°C) to 203°F (95°C)





Heyco® Nytye® Mounting Platforms Flat Platforms – Adhesive Back Mount

- Multiple sizes, strengths, and mounting options anchor Nytyes® securely.
- Five Types:
 - 1) Flat Adhesive-Back and Screw Mounts
- 2) Saddle Screw Mount only
- 3) Push Mount Arrowhead and Blind Mounts
- 4) Snap Over Bolt
- 5) Stainless Steel Edge Clip "SunRunner Series"
- Rubber based adhesive effective up to 158°F (70°C).
- Acrylic based adhesive effective up to 167°F (75°C).
- Apply Adhesive-Backed parts to a clean, dry surface.

Width Chart	
Wi	dth
in.	mm.
.10	2,5
.14	3,6
.19	4,8
.30	7,6
	in10 .14 .19

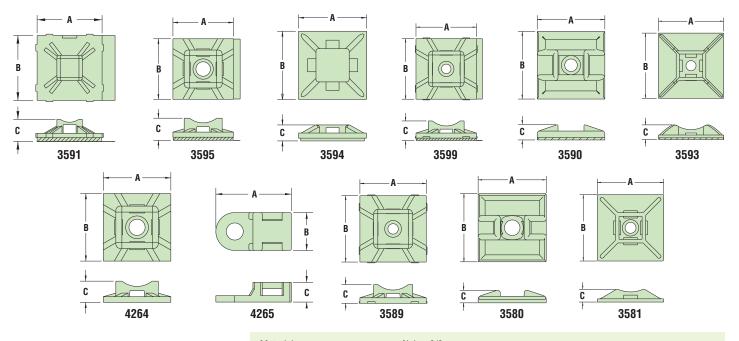
ting	MAX. T	ENSILE NGTH	ADHESIVE	INSERT POINTS	RELEASE TAB?	PART No.	DESCRIPTION	,		RT DIM	ENSION	NS (;
	Lbs.	N				Natural		in.	mm.	in.	mm.	in.	mm.
NEW!	18	80	Rubber Acrylic	4	yes	3591 3591A	MP-050x050-ABR MP-050x050-ABA	.50	12,7	.50	12,7	.17	4,3
NEW!	>		Rubber Acrylic	4	yes	3595 3595A	MP-075x075-ABR MP-075x075-ABA	.75	19,1	.75	19,1	.28	7,0
NEW!	> 40	178	Rubber Acrylic	4	yes	3594 3594A	MP-080x080-ABR MP-080x080-ABA	.80	20,3	.80	20,3	.19	4,8
NEW!	>		Rubber Acrylic	4	yes	3599 3599A	MP-100x100-ABR MP-100x100-ABA	1.00	25,4	1.00	25,4	.32	8,1
	50	222	Rubber	2	yes	3590*	MP-110x110-ABA	1.10	27,9	1.10	27,9	.24	6,0
to				4	yes	3593*	MP-115x115-ABA	1.15	29,2	1.15	29,2	.26	6,6

Standard color natural.

Flat Platforms - Screw Mount

	MAX. T STREI	ENSILE NGTH	SCRE	W SIZE	INSERT POINTS	PART NO.	DESCRIPTION	A	PAF	RT DIM	ENSIOI	NS C	;
	Lbs.	N	in.	mm.		Natural		in.	mm.	in.	mm.	in.	mm.
	40	178	#6	3,5	4	4264	MP-075x075-S6	.75	19,1	.75	19,1	.24	6,0
			#8	4,0	4	4265 3589	MP-038x075-S8 MP-100x100-S8	.38 1.00	9,5 25,4	.75 1.00	19,1 25,4	.20 .28	5,0 7,1
IEW!	!	222			2	3580	MP-110x110-S8	1.10	27,9	1.10	27,9	.20	5,1
IEW!			#6	3.5	4	3581	MP-115x115-S6	1.15	29.2	1.15	29.2	.22	5.6

Standard color natural.



Material Certifications

Flammability Rating Temperature Range Nylon 6/6

Recognized under the Component Program of Underwriters' Laboratories File E54523 (Adhesive-Back Mount parts only)

94V-2

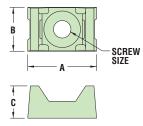
-32°F (0°C) to 158°F (70°C) (Rubber adhesive backed) -32°F (0°C) to 167°F (75°C) (Acrylic adhesive backed) 32°F (0°C) to 185°F (85°C) (Non-adhesive backed)

^{*}These adhesive-backed parts are also screw mountable.

Heyco® Nytye® Mounting Platforms Saddle Platforms - Screw Mount

	TENSILE	SCRE	W SIZE	INSERT	PART NO.	DESCRIPTION		PA	RT DIM	ENSIO	NS .	
SIRE	NGTH			POINTS			1	A	l l	8	U	,
Lbs.	N	in.	mm.		Natural		in.	mm.	in.	mm.	in.	mm.
18	80	#4	3,0	2	4269	MP S-4	.51	13,0	.33	8,3	.24	6,1
50	222	#8	4,0	2	3759	MP S-8	.60	15,2	.38	9,7	.28	7,0
120	534	#10	5,0	2	3753	MP S-10	.87	22,2	.62	15,7	.39	9,9

Standard color natural.



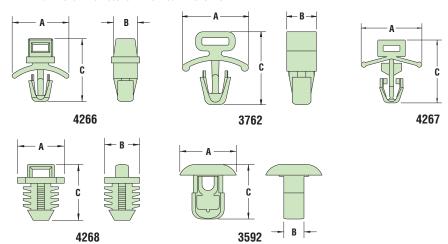
Saddle Platforms

- · Multiple sizes, strengths, and mounting options anchor Nytyes® securely.
- Five Types:
 - 1) Flat Adhesive-Back and Screw Mounts
 - 2) Saddle Screw Mount only
- 3) Push Mount Arrowhead and **Blind Mounts**
- 4) Snap Over Bolt
- 5) Stainless Steel Clip
- Rubber based adhesive effective up to 126°F (52°C).
- Apply Adhesive-Backed parts to a clean, dry surface.

Push Mount Platforms

MAX. T		MOUN			PANEL NESS*	INSERT POINTS	PART NO.	DESCRIPTION		PA A		IENSIOI B	NS (,
Lbs.	N	in.	mm.	in.	mm.	101110	Natural		in.	mm.	in.	mm.	in.	mm.
Arro	whead	Mou	nt											
		.19	4,8	.08	2,0	2	4266	MP PM-19	.56	14,3	.24	6,1	.63	15,9
50	222	.25	6,4	.11	2,8	2	3762	MP PM-25	.63	15,9	.28	7,1	.69	17,5
		.26	6,7	.35	9,0	2	4267	MP PM-26	.80	20,2	.31	7,9	.82	20,9
Blin	Blind Head Mount*													
40	178	.31	7,9	.25	6,4	2	4268	MP PMB-31	.43	11,0	.33	8,3	.52	13,1
Rev	Reverse Button Mount													
50	222	.25	6,4	.13	3,2	2	3592	MP R-2	.42	10,7	.15	3,8	.41	10,3

^{*}Minimum Panel Thickness for Blind Mount Platforms



Material Nylon 6/6 Flammability Rating 94V-2

32°F (0°C) to 185°F (85°C) Temperature Range



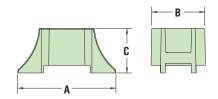


- Multiple sizes, strengths, and mounting options anchor Nytyes® securely.
- Five Types:
 - 1) Flat Adhesive-Back and Screw Mounts
 - 2) Saddle Screw Mount only
 - 3) Push Mount Arrowhead and **Blind Mounts**
 - 4) Snap Over Bolt
 - 5) Stainless Steel Clip
- Rubber based adhesive effective up to 126°F (52°C).
- Apply Adhesive-Backed parts to a clean, dry surface.



	MAX. TENSILE STRENGTH Lbs. N		INSERT POINTS	BOLT in.	SIZE mm.	PART NO.	DESCRIPTION	in.	PA A ∣ mm.	RT DIM I in.	IENSIOI B mm.	NS C	; mm.
NEW!	120	534	2	1/2 9/16 5/8	12,0 14,0 16,0	3710 3711 3754	MP S-1/2 MP S-9/16 MP S-5/8	2.31	58,7	1.25	31,8	1.05	26,7

Standard color black.



Snap Over Bolt

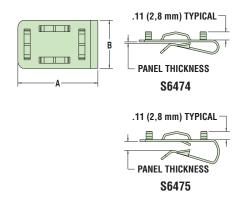


Stainless Steel Edge Clip Platforms

ALL NEW PRODUCTS

	MAX.	CABLE	PANE	L TICK	NESS F	RANGE	INSERT	PART	DESCRIPTION		PAR	T DIM	ENSIO	NS	
	TIE WIDTH*		Mini	mum	Max	imm	POINTS	NO.		ŀ	A		В	()
	in.	mm.	in. mm. in. mm.					in.	mm.	in.	mm.	in.	mm.		
	.31 8,0	0.0	.06	1,5	.12	3,0	4	S6474	SunRunner CT	1.03	26.2	62	16.0	77	10.5
		0,0	.12	3,0	.25	6,4	4	S6475	SunRunner CT-EZ	1.03	20,2	.03	10,0	.11	19,5

^{*}Edge Clip Platforms SunRunner CT and CT-EZ fit all Heyco Stainless Steel Cable Ties, see page 7-69





Material

Nylon 6/6 (Snap Over Bolts)

.025" Thick 304 stainless steel (CT & CT-EZ)

Certifications



 $_{c}$ (ψ_{L})_{us} Certified by UL for Compliance with both Canadian and US Requirements under File E54523 (CT & CT-EZ)

Heyco® Beaded Ties

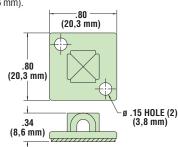
STRE	SILE NGTH	BUI	IMUM NDLE NETER	DESC.	NY Black	LON Natural	PA Black	RT NUMBER PO Natural	S OLYETHYLEI Blue	NE Red	Yellow
Lbs.	N	in.	mm.								
Sta	ndard	ĺ									
40	45	1-1/8	28,6	BT 4	3509	3490	3419	3420	3421	3422	3423
10	45	1-3/8	35,0	BT 5	3519	3491	3424	3425	3426	3427	3428
		1-7/8	48,0	BT 6	3523	3492	3429	3430	3431	3432	3433
10	00	2-1/2	64,0	BT 8	3524	3493	3434	3435	3436	3437	3438
18	80	3	76,0	BT 10	3495	3494	3439	3440	3441	3442	3443
		4	101,6	BT 14	3498	3496	3484	3480	3476	3482	3483
Nyl	on Pu	sh Mo	unt*								
40	180	1-3/8	35,0	PBT 5	3499B	3499					

Standard colors: PE-black, natural, blue, red, and yellow. N-Black and natural.

Mounting Platform for Beaded Ties

- Part No. 3750
- Adhesive backed
- May also be screw mounted
- Molded of natural nylon.





- Releasable and reusable ties for easy bundling, closing, bagging, holding, and tying.
- Polyethylene for high flexibility and moderate strength.
- Multiple sizes for bundles up to 4" (101,6 mm) diameter.

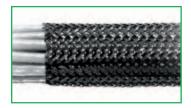
TOP VIEW	SIDE VIEW	PBT 5
(C) 000000000000000000000000000000000000		OVERALL LENGTH

Heyco® Braided Sleeving

	BUNDLE	RANGE		PART	ΓNO.	DESCRIPTION		PART DIMI	ENSIONS	
Mini Dian			imum meter	Black	FR Black		Nom Dian		Qua Per S	ntity Spool
in.	mm.	in.	mm.				in.	mm.	ft.	mtrs.
.09	2,3	.25	6,4	8980	8983	BS 125	.13	3,2	1000	305
.13	3,2	.44	11,1	8985	8988	BS 250	.25	6,4	1000	303
.25	6,4	.75	19,1	8990	8993	BS 500	.50	12,7	500	152
.50	12,7	1.25	31,8	8995	8998	BS 750	.75	19,1	250	76
.75	19,1	1.75	44,5	9000	9003	BS 1250	1.25	31,8	200	70
1.25	31,8	2.75	69,9	9005	9008	BS 1750	1.75	44,5	200	61
1.50	38,1	3.50	88,9	9010	9013	BS 2.0	2.00	50,8	200	01

Standard color black.

FR sleeving flammability rating-UL VW-1.





Beaded Ties Material Polyethylene or Nylon Flammability Rating 94V-2 Temperature Range 40°F (0°C) to 221°F (85°C)

Braided Sleeving Materials Polyester Monofilament Yarns or Flame Retardant Polyester Yarn Certifications Program of Underwriters' Laboratories File E173954 Monofilament Dia.

Recognized under the Component Temperature Range -103°F (-75°C) to 257°F (125°C)

- Braided sleeve slips on quickly and is self-fitting over irregular shapes and contours. No wire pulling compounds are required due to its low surface friction. Slight tensioning after application makes for an even tighter fit.
- Expandable up to three times its own diameter, the open-weave construction can fit many applications, simplifying inventory. The open-weave allows for easy inspection of sleeved components and easy break out of individual cables.
- Full cable flexibility is maintained in any direction, even at low temperatures. Wires encased in Heyco Braided Sleeving can flex and bend as readily as if they had no protective oversleeving. Bundles can be flexed repeatedly without damage.
- Tough, cut-resistant sleeving is designed for protecting wire bundles and harnesses, hoses, tubing, and cable assemblies from mechanical damage and environmental hazards.
- Preferred cutting method: hot knife.

^{*}Mounts into a .250" (6,4 mm) diameter hole, maximum panel thickness .142" (3,6 mm).

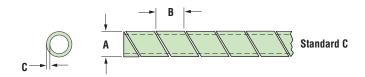


- Easy to use: Just twist on wire!
- Allows breakouts of single/ multiple wires and re-routing of replacement wires.
- Absorbs vibration, insulates cables, and resists abrasion.
- Multiple sizes bundle and protect cables, wires, tubing, and hoses from .13" (3,2 mm) to 7.00" (177,8 mm) diameters.
- For hose and cable clamps, see pages 7-36 through 7-43 in Heyco Catalog 117.

Heyco® SunWrap™- Polyethylene

		BUNDLE	RANGE		PAR	T NO.	DESCRIPTION		P/	ART DIME	NSIONS		
	Minii Diam		Maxi Dian		UV Black	Natural		Out: Dian	side	Pit	•	Thick	
	in.	mm.	in.	mm.				in.	mm.	in.	mm.	in.	mm.
	.13	3,2	1.50	38,1	8904	8905	CW 187 PE*	.19	4,8	.25	6,3	.03	0,8
	.19	4,8	2.00	50,8	8908	8909	CW 250 PE	.25	6,3	.38	9,5	.05	1,1
	.31	7,9	3.00	76,2	8912	8913	CW 375 PE	.38	9,5	.44	11,1	.05	1,3
	.38	9,5	4.00	101,6	8916	8917	CW 500 PE	.50	12,7	.50	12,7	.06	1,6
	F0	4.	4.50	114,3	8920	8921	CW 625 PE*	.63	15,9	.63	15,9	.06	1,6
	.50 12,7	12,7	5.00	127,0	8924	8925	CW 750 PE	.75	19,1	.75	19,1	.07	1,7
1	.00	25,4	7.00	177,8	8928	8929	CW 1000 PE	1.00	25,4	1.00	25,4	.08	2,0

Standard colors UV black or natural.





Material Certifications

Conforms to: Temperature Range Polyethylene

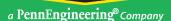
Recognized under the Component Program of Underwriters'

Laboratories File E173954

Fed Spec LP390, Mil I-631D, Mil P-21922B

-76°F (-60°C) to 190°F (88°C) - UL rated temp not to exceed 122°F (50°C)

^{*} Parts are not UR recognized.





Heyco® SunWrap[™]-Nylon

	BUNDLE	RANGE		PAF	RT NO.	DESCRIPTION		P/	ART DIME	NSIONS		
	mum neter		imum neter	UV Black	Natural		Out	A side neter		B tch	Thick	cness
in.	mm.	in.	mm.				in.	mm.	in.	mm.	in.	mm.
.13	3,2	1.50	38,1	8936	8937	CW 187 N*	.19	4,8	.25	6,3	.02	0,5
.19	4,8	2.00	50,8	8940	8941	CW 250 N	.25	6,3	.38	9,5	.03	0,6
.31	7,9	3.00	76,2	8944	8945	CW 375 N	.38	9,5	.44	11,1	.04	0.9
.38	9,5	4.00	101,6	8948	8949	CW 500 N	.50	12,7	.50	12,7	.04	0,9
Ε0.	10.7	4.50	114,3	8952	8953	CW 625 N*	.63	15,9	.63	15,9		
.50	.50 12,7	5.00	127,0	8956	8957	CW 750 N	.75	19,1	.75	19,1	.03	0,8
1.00	25,4	7.00	177,8	8960	8961	CW 1000 N	1.00	25,4	1.00	25.4		

Standard colors UV black or natural.

Material Nvlon

Certifications Recognized under the Component Program of Underwriters' Laboratories File E173954

Temperature Range -40°F (-40°C) to 250°F (121°C) - UL rated temp not to exceed 149°F (65°C)

- Easy to use: Just twist on wire!
- Allows breakouts of single/ multiple wires and re-routing of replacement wires.
- Absorbs vibration, insulates cables, and resists abrasion.
- Multiple sizes bundle and protect cables, wires, tubing, and hoses from .13" (3,2 mm) to 7.00" (177,8 mm) diameters.
- Conforms to: ASTMD 4066, Group 2; Fed Spec LP410.
- For hose and cable clamps. see pages 7-36 through 7-43 in Heyco Catalog 117.



Heyco-Flex[™] V Nylon Slit Tubing

NOMINAL Diameter	PART NO.	DESCRIPTION		١	PART	DIMENS	SIONS		ROLL LENGTH
DIAMETER	Black		Out	side neter	Insi Diam	de		ickness nge	LLNGIII
in.			in.	mm.	in	mm.	in.	mm.	ft.
1/8	1634A	HF5 1/8	.26	6,6	.17	4,3			
1/4	1635A	HF5 1/4	.39	9,9	.29	7,3			
11/32	1636A	HF5 11/32	.51	13,0	.35	8,8			
3/8	1637A	HF5 3/8	.53	13,5	.42	10,5			
7/16	1638A	HF5 7/16	.63	15,9	.44	11,2			
1/2	1639A	HF5 1/2	.64	16,2	.53	13,3	.0102	0,2-0,5	100
5/8	1641A	HF5 5/8	.81	20,5	.66	16,8	.01 .02	0,2 0,0	100
3/4	1642A	HF5 3/4	.93	23,6	.79	20,1			
1	1643A	HF5 1	1.12	28,5	.92	23,3			
1-1/16	1644A	HF5 1-1/16	1.22	30,9	1.01	25,6			
1-1/4	1646A	HF5 1-1/4	1.49	37,9	1.28	32,6			
1-1/2	1649A		1.73	43,9	1.47	37,2			

Standard color black.

Polyamide 6 Nylon Material

Flammability Rating 94HB

Temperature Range -40°F (-40°C) to 239°F (115°C) Continuous -40°F (-40°C) to 374°F (190°C) Intermittent

- Slit design allows side entry and encirclement of preassembled harnesses and capillary tubes.
- Unique slit design allows for wire breakouts.
- Heyco-Flex V is lightweight and flexible, yet durable enough to meet your wire management requirements.
- Multiple sizes 1/8" to 1-1/2".
- All nylon construction resists salt water, weak acids, gasoline, alcohol, oil, grease, and common solvents.
- Quick installation; cuts with utility knife, PVC cutter or Heyco cutting tool #8340. See page 3-8.



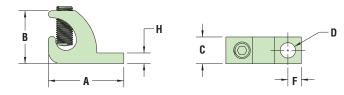
^{*} Parts are not UR recognized.



- · For continuous grounding wire runs often found in solar applications.
- Available in plated and unplated versions.
- UL/CSA approved for direct burial; suitable for both indoor and outdoor use.
- Least expensive aluminum option suitable for indoor use only.
- Recommended wire range AWG 4 thru AWG 14.
- DFARS Compliant.

Heyco® Copper and Aluminum LugRunners™

Wire Range AWG	PART No.	DESCRIPTION	CONSTRUCTION	A	PART (OIMEN C	ISION:	S (in.) F	Н
4.44	S6525	LC 14-4 1-Pole Cu Tinned	Tinned Copper with Stainless Steel Set Screw	1.07	75	00	00	10	45
4-14	S6526	LC 14-4 1-Pole Cu	Copper with Stainless Steel Set Screw	1.07	.75	.38	.22	.19	.15
	S6527	LC 14-4 1-Pole Al	Aluminum with Steel Set Screw						



Material Tinned copper or High Strength, High Conductive Aluminum Alloy 606/T6 with stainless steel set screw Certifications (UL) Listed under Underwriters' Laboratories File E467246



• .250" hole diameter tinned copper

- Heavy Duty Ring Terminals at both ends. Terminals accept a #10 screw.
- Approved to UL 467 Grounding and Bonding standard.
- · DFARS Compliant.

Heyco® SunJumpers™

LEN	GTH	PART	DESCRIPTION
in.	mm.	NO.	
6	152.4	\$6506	SunJumper 6
11	279.4	S6511	SunJumper 11
18	457.2	\$6518	SunJumper 18

LENGTH ±.200



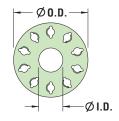
Material Certifications 6 AWG tinned copper braided wire

(IL) Listed under Underwriters' Laboratories File E467246

Heyco® SunStars™

Grounding Spacers for Module to Rack Applications

Insid	PART DII e Dia.	NENSIONS Outsi	de Dia.	PART No.	DESCRIPTION
in.	mm.	in.	mm.		
		.75	19,1	S6480	SSGS 750-320
.32	8,1	1.00	25,4	S6481	SSGS 1000-320
		1.25	31,8	S6482	SSGS 1250-320





- Create bond between PV module and racking system.
- UL Recognized to UL Standard 2703
- Universal design for quick installation. Extrusions are symmetrically opposed for maximum strength.
- Stainless steel construction for maximum durability.
- DFARS Compliant.

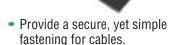
Material	304 Stainless Steel
Certifications	Recognized under the Component Program of Underwriters' Laboratories File E467241

Heyco® Steel Cable Stays

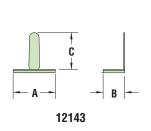
Adhesive Back Mount

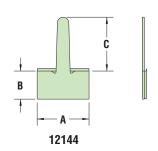
	lase ength	Ba	IENSIONS ise dth		gue igth	PART NO.	DESCRIPTION
in.	mm.	in.	mm.	in.	mm.		
.59	15,1	.30	7,7	.52	13,1	12143	CS-5930A
.73	18,5	.39	10,0	.76	19,2	12144	CS-7339A





· Adhesive back mount results in a very secure attachment.







Electrolytic Tin-Plated Steel with 3M Adhesive Tape Application Temperature: 70°F (21°C) to 100°F (38°C) Operating Temperature: -40°F (-40°C) to 176°F (80°C)

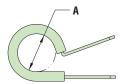




- For clamping cable or tubing securely into place, especially in harsh environments.
- Smooth "coined" clamp edges prevent damage to cable insulation.
- Constructed from corrosion resistant 304 stainless steel.
- Insulated parts are constructed from 304 stainless steel and coated with polyolefin, a thermoplastic co-polymer that provides a durable non-toxic, odorless coating that has very good low temperature flexibility and excellent electrical properties. This coating also has FDA food contact approval.
- Consult Heyco for larger sizes.
- Not for use in a marine salt water environment. Contact Heyco for alternative materials.
- All parts require a .203" (5,2 mm) mounting hole suitable for a #10 screw.
- DFARS Compliant.



- Light to heavy duty steel clamp.
- E.P.D.M. cushion for electrical insulation and vibration absorption.
- Steel clamps are zinc electroplated for corrosion resistance.
- Color Silver with durable black cushion.





Material

Heyco® SunClamp™ Stainless Steel Cable Clamps

•			1			1				
MOUN HO DIAM in.	LE	SCREW SIZE	PART DIMENSION A in. mm.		PART NO.	DESCRIPTION				
	ard – "P (Clamp" Des	sign							
.203	5,2	10	.19 .25 .38 .50 .63 .75	4,7 6,3 9,5 12,7 15,9 19,1 22,2	\$3373 \$3374 \$3376 \$3378 \$3380 \$3382 \$3384	CC H 3/16 SS CC H 1/4 SS CC H 3/8 SS CC H 1/2 SS CC H 5/8 SS CC H 3/4 SS CC H 7/8 SS				
Standa	rd – Coat	ed								
.203	5,2	10	.19 .25 .38 .50 .63 .75	4,7 6,3 9,5 12,7 15,9 19,1 22,2	\$3323 \$3324 \$3326 \$3328 \$3330 \$3332 \$3334	CC H 3/16 SSC CC H 1/4 SSC CC H 3/8 SSC CC H 1/2 SSC CC H 5/8 SSC CC H 3/4 SSC CC H 7/8 SSC				
.500 A										

Heyco[®] Steel Cushion Clamps

MOUNTING SCREW PART PART DESCRIPTION													
		SCREW			PART	DESCRIPTION							
	DIA.	SIZE	DIMEN		NO.								
in.			in.	mm.									
.650 (16	5,5 mm) U	erall Width, .03											
			.187	4,7	12300	CCSC L 3/16							
			.250	6,3	12301	CCSC L 1/4							
			.312	7,9	12302	CCSC L 5/16							
			.375	9,5	12303	CCSC L 3/8							
			.437	11,1	12304	CCSC L 7/16							
			.500	12,7	12305	CCSC L 1/2							
.265	6.7	1/4	.562	14,3	12306	CCSC L 9/16							
.205	0,1	1/4	.625	15,9	12307	CCSC L 5/8							
			.687	17,4	12308	CCSC L 11/16							
			.750	19,1	12309	CCSC L 3/4							
			.875	22,2	12310	CCSC L 7/8							
			1.000	25,4	12311	CCSC L 1							
			1.125	28,6	12312	CCSC L 1-1/8							
			1.250	31,8	12313	CCSC L 1-1/4							
.750 (19	9,1 mm) Ov	verall Width, .04	7 (1,2 mm)	Steel Thickn	ess								
			.250	6,3	12331	CCSC H 1/4							
			.312	7,9	12332	CCSC H 5/16							
			.375	9,5	12333	CCSC H 3/8							
			.437	11,1	12334	CCSC H 7/16							
.406	10,3	7/16	.500	12,7	12335	CCSC H 1/2							
.400	10,3	//10	.625	15,9	12337	CCSC H 5/8							
			.687	17,4	12338	CCSC H 11/16							
			.875	22,2	12340	CCSC H 7/8							
			1.000	25,4	12341	CCSC H 1							
			1.250	31,8	12343	CCSC H 1-1/4							

304 Stainless Steel (Stainless Steel Cable Clamps)

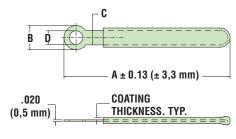
Heyco® Vinyl Coated Steel Clamps

Screw Mount

PART	DESCRIPTION				PA	RT D	IMENS	IONS			
NO.			Α		В		С		D		
Black		Overal	Overall Length FI		Diameter	Arm Width		Mounting Hole D		. Coating Leng	
		in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.
12067	VCSC 087-18	.87	22,1	.32	8,1	.18	4,6	.18	4,6	.47	11,9
12068	VCSC 110-12	1.10	27,9	.32	8,1	.12	3,0	.12	3,0	.71	18,0
12069	VCSC 134-12	1.34	34,0	.24	6,1	.08	2,0	.12	3,0	.94	23,9
12070	VCSC 137-14	1.38	35,1	.32	8,1	.20	5,1	.14	3,6	.98	24,9
12071	VCSC 157-14	1.57	39,9	.32	8,1	.12	3,0	.14	3,6	1.18	30,0
12072	VCSC 177-17	1.77	45,0	.35	8,9	.16	4,1	.17	4,3	1.38	35,1
12073	VCSC 189-12	1.89	48,0	.24	6,1	.08	2,0	.12	3,0	1.57	39,9
12074	VCSC 213-13	2.13	54,1	.24	6,1	.14	3,6	.13	3,3	1.81	46,0
12075	VCSC 213-18	2.13	54,1	.32	8,1	.19	4,8	.18	4,6	1.65	41,9
12076	VCSC 252-17	2.52	64,0	.32	8,1	.20	5,1	.17	4,3	2.09	53,1
12077	VCSC 260-13	2.60	66,0	.31	7,9	.18	4,6	.13	3,3	2.17	55,1
12078	VCSC 299-18	2.99	75,9	.32	8,1	.18	4,6	.18	4,6	2.56	65,0
12079	VCSC 299-28	2.99	75,9	.43	10,9	.20	5,1	.28	7,1	2.44	62,0
12080	VCSC 331-18	3.31	84,1	.32	8,1	.18	4,6	.18	4,6	2.83	71,9
12081	VCSC 496-18	4.96	126,0	.32	8,1	.24	6,1	.18	4,6	4.41	112,0



- · Flexible soft steel easily bends and forms to desired shape and holding diameter.
- Vinyl coating both grips and insulates the cable or wire bundle.



VCSC SCREW MOUNT

Adhesive Back Mount

PART	DESCRIPTION	PACKA	GING	PART DIMENSIONS										
NO.		Std.	Small		Α		В	(C	l	D			
White		Pack	Pack	Arm I	Length	Arm	Width	Base Width		th Base Lengt				
			†	in.	mm.	in.	mm.	in.	mm.	in.	mm.			
12082	VCSC 71-08A	5000	10	.71	18,0	.08	2,0	.31	7,9	.35	8,9			
12083	VCSC 98-14A	5000	10	.98	24,9	.14	3,6	.55	14,0	.55	14,0			
12084	VCSC 157-16A	3000	10	1.57	39,9	.16	4,1	.75	19,1	.79	20,1			

[†] To order Small Packs, please add the suffix -P to Part No.; e.g., 12082-P

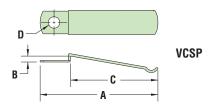
C DOUBLE SIDED FOAM TAPE.

VCSC ADHESIVE BACK MOUNT

Spring Clamps

Material

PART	DESCRIPTION				PART DIM	ENSIONS			
NO.		1	A	E	3	0	;	[)
		Len	igth	Clampin	g Height	Clampin	g Length	Mounting Hole	
		Length in. mm.		in.	in. mm.		in. mm.		mm.
12710	VCSP-161-09	1.61	40,9	.09	2,3	1.19	30,2	150	4.0
12711	VCSP-263-09	2.63	66,8	.09	2,3	2.24	56,9	.156	4,0



VCSC Body: Soft steel, electrogalvanized .02" (0,5 mm) thick VCSP Body: Stainless steel, w/vinyl coating .02" (0,5 mm) thick Coating: Soft, PVC, .032" (0,8 mm) minimum thickness



ALL NEW PRODUCT

- This vinyl coated spring steel clamp secures round cable, ribbon cable and tubing.
- · Vinyl coating protects and insulates.
- Mounts with a #6 (M3.5) screw, yet cable can be inserted and removed without removing the clip.





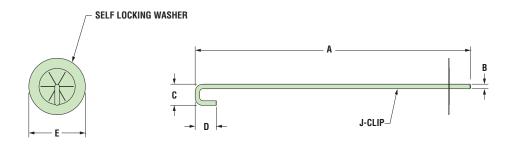
- Helps protect solar panels from rodents and nesting birds with wire mesh screening (screening not included). See Heyco Sunscreen below.
- Constructed from 303 and 304 Stainless Steel for maximum endurance to outdoor elements.
- 303 Stainless Steel J-Hook easily attaches to the solar panel frames and can easily be trimmed or bent after assembly.
- 304 Stainless Steel Washers will firmly hold wire mesh screen to the module assembly preventing squirrels and rodents from damaging the interconnection wires and birds from building nests under the solar panel.
- Does not violate panel integrity.
- Installs quickly and easily with standard linesman pliers
- Black color available for those applications subject to HOA appearance restrictions.
- Stainless Steel Washers are offered in both steel color and black painted versions.
- Not for use in a marine salt water environment. Contact Heyco for alternative materials.
- DFARS Compliant

PART NO.	PART DIN	MENSIONS					
Black	Width	Length					
	in.	feet					
S6464	4	100′					
S6466	6	Rolls					
S6468	8	nulls					

- Mesh dimension is 1/2" x 1/2".
- DFARS Compliant
- For SunScreener Clips and SunScreen Mesh bundled in Kit form, see back cover.

Heyco® SunScreener® Wire Mesh Clip

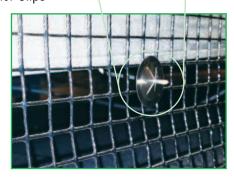
PART	NO.						IENSIONS Ensions				
Steel		1	A	В			3		D		E
Gray	Gray Black		Length	Diameter		Width		Height		Washer Diameter	
		in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.
Stainless Steel											
\$6437	\$6438	4.87	124,0	.08	2,0	.38	9,7	.38	9,7	1.00	25,4



Heyco® SunScreen™

Wire Mesh - For use with Heyco SunScreener Clips







SunScreener Wire Mesh Clip Material J-Hook 303 Stainless steel

Washer

304 Stainless steel

SunScreen Wire Mesh PVC Coated, galvanized welded steel mesh

1-31



2-1 Original Series-35 Liquid Tight Cordgrips – Straight-thru, NPT & PG



2-2 Original Series-35 Liquid Tight Cordgrips – Pigtail, NPT & PG



2-3 *Heyco-Tite* Liquid Tight Cordgrips – Straight-thru, NPT



2-4 Heyco-Tite Liquid Tight Cordgrips – Split Gland for Pre-assembled Cables



2-5 *Heyco-Tite* Liquid Tight Cordgrips – Pigtail, NPT



2-6 *Heyco-Tite* Liquid Tight Cordgrips – Right Angle, NPT



2-7 Heyco-Tite Snap-In-2 Liquid Tight Cordgrips – Straight-thru, Snap-In



2-8 *Heyco-Tite* Snap-In-2 Liquid Tight Cordgrips – Pigtail, Snap-In



2-9 – 2-11 *Heyco-Tite* Aluminum Liquid Tight Cordgrips – Straight-thru, NPT



2-12 HEYbrid Aluminum Liquid Tight Cordgrips – Straight-thru, NPT



2-13 HEYbrid Stainless Steel Liquid Tight Cordgrips – Straight-thru,



2-14 Nylon Removable Snap-In Ratcheting Strain Reliefs



2-15 Heyco-Tite Nylon Liquid Tight Cordgrips – Romex® and Oval Holes



2-16 Zinc Die-Cast Box Connectors



2-17 Nylon Snap-In Bushings for American Electrical Knock Out Holes



2-18 Nylon & Polyethylene Bushings for American Electrical Knock Out Holes



2-19 HEYCo-molded Liquid Tight Break-Thru Plugs



2-20 EPDM Snap-In Liquid Tight Bushings – Pg and Metric



2-21 TPE Liquid Tight Hole Plugs



2-22 Nylon Liquid Tight Threaded Plugs



2-22 Nylon Threaded Smooth Bore Bushings



2-23 HEYClean Nylon Liquid Tight Threaded Vent Plugs



2-23 HEYClean Nylon Liquid Tight Snap-In Vent Plugs



2-24 HEYClean Brass Pressure Equalization and Drain Plugs & Locknuts



2-25 Nylon Snap-In Vent and Louvered Plugs for American Electrical Knock-Out Holes



2-26 Nylon Knock-Out Seals, Thick Panel & V-O Knock-Out Seals



2-27 HEYClip Nylon Tension Wire Clips – Adhesive-Backed



2-28 HEYClip Nylon Releasable Wire Clips Adhesive-Backed & Adjustable



2-29 & 2-30 Grommet Rolls and Channels



2-31 Aluminum Solderless Connectors and Copper Lug Connectors



2-32 Copper & Aluminum Lay-In Connectors



2-32 Aluminum Neutral Bars



2-33 PVB 101 Single Diode Solar Junction Box



2-34 PVB 301 Multi-Diode Solar Junction Box



2-35 PVB 001 Diodeless Solar Junction Boxes



2-36 CPV Solar Bulkhead Connectors



2-37 CPV Solar Connectors



2-38 CPV Solar Connector



2-39 Wire Connectors



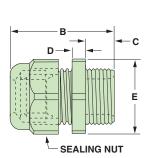
- Wide range of approved cable diameters.
- IP 68 rated
- Acme threads on body prevent skipping and speed installation.
- For use in clearance or threaded holes.
- All nylon construction with TPE sealing gland resists salt water, weak acids, gasoline, alcohol, oil, grease, and common solvents. (This feature is not assessed by UL.)
- Multiple sizes for flexible cord diameters ranging from .06' (1,8 mm) to 1.00" (25,4 mm). For variations and larger sizes, see Heyco-Tite Liquid Tight Cordgrips on pages 2-3 thru 2-6.
- · PG hub threads are steel conduit threads per DIN 40430, see Section 3 of Heyco Catalog 117.
- We recommend using the cordgrip with the smallest maximum diameter that will fit your application. Cable ranges listed are for the maximum IP68 sealing range. Contact Heyco for UL approved 514B cable ranges.
- For Hevco Liquid Tight Threaded Plugs, see page 2-22.
- For our complete range of Heyco Locknuts, see pages 3-17 & 3-18.

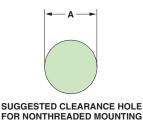
Heyco[®] Original Series-35 Liquid Tight Cordgrips

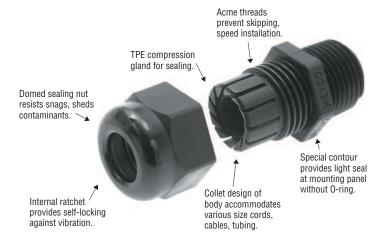
Straight-Thru, in HEYConvenient Small Packs

CA	BLE D	IA. RA	NGE	PAR	Г NO.	DESC.		SMALL						ENSIC				
Mini	mum	Maxii	mum	Black	Gray *		(I) or 91	PACK QTY				3 O.A. gth	O.A. Thre		D Wrench Thk.		E ing Nut Flat Size	
in.	mm.	in.	mm.						in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.
NI	PT H	ubs - I	Black	lockn	uts not i	ncluded	Gra	y see 1	ootno	te*								
.069	1,8 2,9	.187 .312	4,7 7,9		4081WN 4083WN		<i>9</i> 1	100	.670	17,0	1.49	37,8	.53	13,5	.20	5,1	.75	19,1
.170	4,3	.450	11,4	4086	4087WN	LTF 1/2	(UL)	100	.875	22,2	1.72	43,7	.62	15,7	.20	5,1	.95	24,1
.230	5,8	.546	13,9	4088	4089WN	LLTF 1/2	(UL)	50	.875	22,2	1.83	46,5	.62	15,7	.23	5,8	1.05	26,7
.250 .450	6,4 11,4	.485 .709	, -		4091WN 4093WN	RLTF 3/4 LTF 3/4	(UL)	50	1.068	27,1	1.97	50,0	.63	16,0	.23	5,8	1.30	33,0
.590	15,0	1.000	25,4	4096	4097WN	LTF 1	(UL)	25	1.350	34,3	2.42	61,5	.75	19,1	.28	7,1	1.65	41,9
P	Hul	os - U	nass	emble	d nylon	locknuts	incl	uded										
.064 .114	1,6 2,9	.210 .250	5,3 6,4	4040 4042	4041 4043	RLTF 7 LTF 7	<i>8</i> 1	100	.492	12,5	1.17	29,7	.33	8,4	.20	5,1	.59	15,0
.069 .181	1,8 4,6	.187 .312	4,7 7,9		4045 4047	RLTF 9 LTF 9	87	100	.599	15,2	1.30	33,0	.34	8,6	.20	5,1	.75	19,1
.069	1,8 5,8	.260 .395	6,6 10,0	4048 4050	4049 4051	RLTF 11 LTF 11	<i>9</i> 1	100	.733	18,6	1.46	37,1	.39	9,9	.20	5,1	.86	21,8
.170	4,3	.450	11,4	4054	4055	LTF 13.5	(UL)	100	.804	20,4	1.53	38,9	.41	10,4	.20	5,1	.95	24,1
.230	5,8	.546	13,9	4058	4059	LTF 16	Ü	50	.886	22,5	1.66	42,2	.45	11,4	.23	5,8	1.05	26,7
.250 .450	6,4 11,4	.485 .709	12,4 17,9		4061 4063	RLTF 21 LTF 21	(UL)	50	1.115	28,3	1.87	47,5	.52	13,2	.23	5,8	1.30	33,0
.590	15,0	.990	25,1	4066	4067	LTF 29	(UL)	25	1.470	37,3	2.23	56,6	.59	15,0	.28	7,1	1.66	42,2

Standard colors black and gray. For variations and larger sizes see pages 2-3 thru 2-6.







Consult Heyco for your alternate material requirements!



Material Certifications Nylon 6/6 with TPE Sealing Gland

- (IL) Listed under Underwriters' Laboratories File E51579
- Recognized Under the Component Program of Underwriters' Laboratories File E51579
- Certified by Canadian Standards Association File 93876C

Flammability Rating Temperature Range

Static -40°F (-40°C) to 239°F (115°C) Dynamic -4°F (-20°C) to 212°F (100°C)

IP Rating IP 68 (70 PSI, 5 BAR)

94V-2

^{*}Gray NPT cordgrips provided with assembled metal locknut.



Heyco[®] Original Series-35 Liquid Tight Cordgrips

Pigtail, in HEYConvenient Small Packs

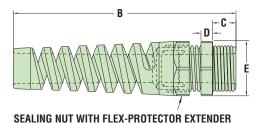
	CA	BLE DI	IA. RA	A. RANGE		RT NO.	DESCRIPTION		SMALL		PART DIMENSIONS								
				<u>.</u>			(U)	PACK	-	A B		_	_ C .		D E				
Minimum		Maximum		RIACK	Gray *		or 933	QTY	Clear Hole				Thread Length		Wrenching Thk. F		•	ig Nut Flat Size	
	in. mm.		in mm					/4					.		3			1101	
		mm.	in.	mm.	.1.1	l	a to the advantage of	0		in.	mm.	in.	mm.	III.	mm.	in.	mm.	in.	mm.
							ot included	Gr	ay see	tootn	ote ~								
	.069 .181	1,8 4,6	.187 .312	4,7 7,9		4135WN 4137WN	FLEX RLTF 3/8 FLEX LTF 3/8	<i>9</i> 7	50	.670	17,0	2.97	75,4	.53	13,5	.20	5,1	.75	19,1
ı	.170	4,3	.470	11,9	4140	4141WN	FLEX LTF 1/2	(UL)	50	.875	22,2	4.09	103,9	.62	15,7	.20	5,1	.95	24,1
	.230	5,8	.546	13,9	4142	4143WN	FLEX LLTF 1/2	(U)	50	.875	22,2	4.54	115,3	.62	15,7	.23	5,8	1.05	26,7
	.250 .450	6,4 11,4	.485 .709	12,3 18,0		4145WN 4147WN	FLEX RLTF 3/4 FLEX LTF 3/4	(U)	25	1.068	27,1	5.14	130,6	.63	16,0	.23	5,8	1.30	33,0
PG Hubs - Unassembled nylon locknuts included																			
	.064	1.6	.210	5.3		4111	FLEX RLTF 7												
	.114	2,9	.250	6,4		4113	FLEX LTF 7	<i>R</i> J	100	.492	12,5	2.44	62,0	.33	8,4	.20	5,1	.59	15,0
1	.069	1,8	.187	4,7	4114	4115	FLEX RLTF 9	_,		500	45.0	0.77	70.4	0.4			- 1	7.5	10.1
	.181	4,6	.312	7,9	4116	4117	FLEX LTF 9	<i>8</i> 1	50	.599	15,2	2.77	70,4	.34	8,6	.20	5,1	.75	19,1
	.069	1,8	.260	6,6	4118	4119	FLEX RLTF 11	D:	50	.733	106	2 44	07.4	.39	0.0	.20	E 1	.86	21.0
	.230	5,8	.395	10,0	4120	4121	FLEX LTF 11	<i>8</i> 1	οU	./33	18,6	3.44	87,4	.39	9,9	.20	5,1	.86	21,8
	.170	4,3	.450	11,4	4124	4125	FLEX LTF 13.5	(UL)	50	.804	20,4	3.88	98,6	.41	10,4	.20	5,1	.95	24,1
	.230	5,8	.546	13,9	4128	4129	FLEX LTF 16	(Ū)	50	.886	22,5	4.36	110,7	.45	11,4	.23	5,8	1.05	26,7
	.250	6,4	.485	12,3	4130	4131	FLEX RLTF 21	(II)	25	4 445	00.0	E 00	107.0	EO	10.0	00	E 0	1.00	22.0
	.450	11,4	.709	18,0	4132	4133	FLEX LTF 21	(UL)	25	1.115	28,3	5.03	127,8	.52	13,2	.23	5,8	1.30	33,0

Standard colors black and gray. For variations and larger sizes see pages 2-3 thru 2-6.

*Gray NPT cordgrips provided with assembled metal locknut.

- Flexible Pigtail™ extender prevents sharp bends and extends cable life.
- IP 68 rated.
- Widest range of approved cable diameters.
- Acme threads on body prevent skipping and speed installation.
- For use in clearance or threaded holes.
- All nylon construction with TPE sealing gland resists salt water, weak acids, gasoline, alcohol, oil, grease, and common solvents. (This feature is not assessed by UL.)
- Multiple sizes for flexible cord diameters ranging from .06" (1,8 mm) to .71" (18,0 mm). For variations and larger sizes, see Heyco-Tite Liquid Tight Cordgrips on pages 2-3 thru 2-6.
- PG hub threads are steel conduit threads per DIN 40430, see Section 3 of Heyco Catalog 117.
- We recommend using the cordgrip with the smallest maximum diameter that will fit your application. Cable ranges listed are for the maximum IP68 sealing range. Contact Heyco for UL approved 514B cable ranges.
- For Heyco Liquid Tight Threaded Plugs, see page 2-22.
- For our complete range of Heyco Locknuts, see pages 3-17 & 3-18.







Material Nylon 6/6 w/TPE Sealing Gland Certifications

(UL) Listed under Underwriters' Laboratories File E51579 Recognized under the Component Program of

Underwriters' Laboratories File E51579 Certified by Canadian Standards Association File 93876C

Flammability Rating 94V-2

IP Rating

Temperature Range Static -40°F (-40°C) to 239°F (115°C)

Dynamic -4°F (-20°C) to 212°F (100°C) IP 68 (70 PSI, 5 BAR)







- Integral Sealing Ring ensures a superior seal at the clearance or threaded mounting hole location. every time.
- Widest range of approved cable diameters. Cable ranges listed are for the maximum IP68 sealing range. Contact Heyco for UL approved 514B cable ranges.
- IP 68 rated.
- Approved for NEMA 4, 4X, 6 and 6P applications.
- Ratchet design of sealing nut assembly provides superior antivibration protection and ensures a firm grip on the cable.
- · Acme threads on body prevent skipping and speed installation.
- All nylon construction with Buna N or TPE sealing gland resists salt water. weak acids, gasoline, alcohol, oil. grease, and common solvents. (This feature is not assessed by UL.)
- Multiple sizes for flexible cord diameters ranging from .065" (1,7 mm) to 1.730" (44,0 mm).
- We recommend using the fitting with the smallest maximum diameter that will fit your application.
- Locknuts not included. For nylon locknut specifications or to order locknuts separately, see page 3-18.
- For Heyco Liquid Tight Threaded Plugs. see page 2-22.
- Consult Heyco for cordgrips molded in other colors.

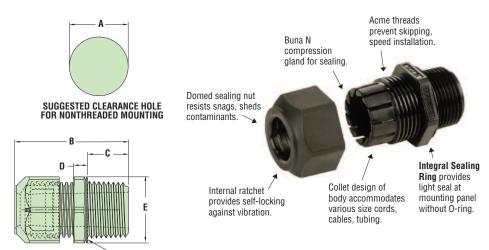
Heyco®-Tite Liquid Tight Cordgrips

Straight-Thru, NPT Hubs with Integral Sealing Ring

The Ultimate in Liquid Tight Strain Relief Protection

CAB	LE DI	A. RAN	GE	PAR	T NO.	DESCRIPTION	(UL)	A			PART B		ENSIO		D		F
Minii		Maxi		Black	Gray		or 91	Clear Hole	ance Dia.	Max. Ler	O.A. igth	Thr Ler	ead igth	V Ti	Vrench 1k.	ing N	ut Size
in.	mm.	in.	mm.					in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.
.065 .115	1,7 2,9	.210 .250	5,3 6,4	M4514 M4516	M4515 M4517	RLTCG 1/4 LTCG 1/4	<i>R</i> J	.540	13,7	1.29	32,8	.45	11,4	.21	5,3	.63	16,0
.065 .105	1,7 2,7	.230 .315	5,8 8,0	M3458 M3228	M3459 M3229	RLTCG 3/8 LTCG 3/8	<i>9</i> 1	.680	17,3	1.41	35,8	.49	12,4	.21	5,3	.82	20,8
.095 .170	2,4 4,3	.290 .450	7,4 11,4	M4518 M3231	M4519 M3232	RLTCG 1/2 LTCG 1/2	(UL)	.875	22,2	1.70	43,2	.61	15,5	.21	5,3	.98	24,9
.180 .260	4,6 6,6	.400 .545	10,2 13,8	M4520 M3200	M4521 M3201	RLTCG LL 1/2 LTCG LL 1/2	(UL)	.875	22,2	1.68	42,7	.44	11,2	.25	6,4	1.06	26,9
.250	6,4	.490	12,4	M3460	M3461	RLTCG 3/4											
.420 .435	10,7 11,0	.630 .705	16,0 17,9	M3234GA M3234	M3235GA M3235	LTCG 3/4	(U)	1.040	26,4	2.00	50,8	.62	15,7	.25	6,4	1.30	33,0
.490 .590	12,4 15,0	.785 1.000	19,9 25,4	M8439 M8437	M8440 M8438	RLTCG 1 LTCG 1	(UL)	1.326	33,7	2.41	61,2	.76	19,3	.30	7,6	1.73	43,9
.787 .865	20,0 22,0	1.020 1.260	25,9 32,0	M4522 M4524	M4523 M4525	RLTCG 1-1/4 LTCG 1-1/4	(UL)	1.680	42,7	2.69	68,3	.78	19,8	.30	7,6	2.05	52,1
1.000 1.230	25,4 31,2		31,5 39,6	M3319 M3317	M3320 M3318	RLTCG 1-1/2 LTCG 1-1/2	(UL)	1.920	48,8	2.81	71,3	.77	19,6	.36	9,1	2.46	62,5
1.160 1.450	29,5 36,8	1.350 1.730	34,3 43,9	M3323 M3321	M3324 M3322	RLTCG 2 LTCG 2	(UL)	2.400	60,8	2.93	74,3	.79	20,1	.42	10,7	2.73	69,3
Ctanda	rd colo	rs hlari	k and c	irav.													

Standard colors black and gray



Material Certifications

Flammability Rating Temperature Range

Nylon 6/6 w/Buna N or TPE Sealing Gland

(UL) Listed under Underwriters' Laboratories File E51579

Recognized under the Component Program of Underwriters' Laboratories File E51579

Certified By Canadian Standard Association File 93876C Approved for NEMA 4, 4X, 6 and 6P Applications 94V-2-Consult factory for V0 material Static -40°F (-40°C) to 239°F (115°C)

Dynamic -4°F (-20°C) to 212°F (100°C)

IP Rating IP 68 (70 PSI, 5 BAR)

INTEGRAL SEALING RING





Heyco®-Tite Liquid Tight Cordgrips

Split Gland for Pre-assembled Cables with Integral Sealing Ring

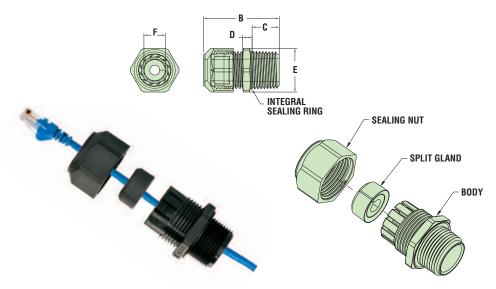
The Ultimate in Liquid Tight Strain Relief Protection



CABL	DIAM	eter r	ANGE	PART N	IUMBER	DESCRIPTION							PAF	RT DIM	ENSION	S			
							(UL)		A	E	3	(C	[)	Е			F
Mini	mum	Maxi	mum	Black	Gray		or	Clea	rance	Max.	0.A.	Thr	ead	١	N renchi	ing Nut		Seali	ng Nut
							<i>R</i> 1	Hole	Dia.	Len	gth	Ler	ıgth	Thick	ness	Flat S	Size	Insid	e Dia.
in.	mm.	in.	mm.					in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.
NP	T Hub	S																	
.210	5,3	.334	8,5	M3200GBH	M3201GBH	LTCG LL 1/2 NPT 8.5 MM Split	c 71 .us	.875	22,2	1.68	42,7	.44	11,2	.25	6,4	1.06	27,0	.56	14,2
.210	5,3	.334	8,5	M3234GBH	M3235GBH	LTCG 3/4 NPT 8.5 MM Split		4 0 4 0	00.4	0.00	50.0	00	45.7	0.5	0.4	4 00	00.0	70	40.0
.138	3,5	.610	15,5	M3234GBJ	M3235GBJ	LTCG 3/4 NPT Split Oval*	c All us	1.040	26,4	2.00	50,8	.62	15,7	.25	6,4	1.30	33,0	.72	18,3
050	C 4	224	0.5	M8437GBH	M8438GBH	LTCG 1 NPT 8.5 MM Split	c 71 2'us	1.326	33,7	2.41	61,2	.76	19,3	.30	7,6	1.73	43,9	1.01	25,7
.250	6,4	.334	8,5	M4524GBH	M4525GBH	LTCG 1-1/4 NPT 8.5 MM Split	c 71 2'us	1.680	42,7	2.69	68,3	.78	19,8	.30	7,6	2.05	52,1	1.27	32,3
PG	Hubs																		
040	5 0	004	0.5	M3219GBH	M3220GBH	LTCG 16 8.5MM Split	c 91 0'us	.886	22,5	1.68	42,7	.44	11,2	.25	6,4	1.06	27,0	.56	14,2
.210	5,3	.334	8,5	M3222GBH	M3223GBH	LTCG 21 8.5MM Split	c 91 0'us	1.115	28,3	1.89	48,0	.52	13,2	.25	6,4	1.30	33,0	.72	18,3
050	C 4	004	0.5	M3225GBH	M3226GBH	LTCG 29 8.5MM Split	c 91 .us	1.470	37,3	2.23	56,6	.57	14,5	.30	7,6	1.73	43,9	1.01	25,7
.250	6,4	.334	8,5	M3204GBH	M3203GBH	LTCG 36 8.5MM Split	c 91 0'us	1.875	47,6	2.39	60,7	.47	11,9	.31	7,9	2.05	52,7	1.27	32,3
Me	tric H	lubs																	
0.10	5 0	004	0.5	M3198GBH	M3199GBH	LTCG LL M20 8.5MM Split	c 71 1'us	.787	20,0	1.65	41,9	.41	10,4	.25	6,4	1.06	26,9	.56	14,2
.210	5,3	.334	8,5	M4344GBH	M4345GBH	LTCG M25 8.5MM Split	c 74 3′us	.985	25,0	1.89	48,0	.52	13,2	.25	6,4	1.30	33,0	.72	18,3
250	6.4	224	0.5	M4348GBH	M4349GBH	LTCG M32 8.5MM Split	c W us	1.260	32,0	2.23	56,6	.58	14,7	.30	7,6	1.73	43,9	1.01	25,7
.250	6,4	.334	8,5	M4352GBH	M4353GBH	LTCG M40 8.5MM Split	c 91 2'us	1.575	40,0	2.39	60,7	.47	11,9	.31	7,9	2.05	52,7	1.27	32,3
Standar	d oolor	blook																	

Standard color black.

^{*}Oval shaped gland opening; not UL Recognized.



- Split Glands are designed for application to the cable after the cable has passed through the LTCG; e.g., RJ45 cable with Cat5e termination.
- Simply pass the cable termination through the LTCG body, apply Split Gland to the cable, and insert the gland/cable assembly into the LTCG fingers. Then tighten the Sealing Nut to achieve a liquid tight seal.
- Approved for NEMA 4, 4X, 6 and 6P applications.
- For other cable/termination configuration sizes, and Pg and Metric hub threads, please consult Heyco.
- Integral Sealing Ring ensures a superior seal at the clearance or threaded mounting hole location, every time.

Material Nylon 6/6 w/TPE Sealing Gland Certifications

Recognized under the Component Program of Underwriters' Laboratories File E51579 to both Canadian and U.S. Requirements

94V-2-Consult factory for V0 material Static -40°F (-40°C) to 239°F (115°C)

IP Rating IP 68 (70 PSI, 5 BAR)

Flammability Rating

Temperature Range

Dynamic -4°F (-20°C) to 212°F (100°C)







Heyco®-Tite Liquid Tight Cordgrips

Pigtail™, NPT Hubs with Integral Sealing Ring

The Ultimate in Liquid Tight Strain Relief Protection

Mini	BLE DIA		IGE mum	Lock	T NO. muts luded* Gray	DESCRIPTION	(I) Or 91	Clear Hole	ance	Max.	PART B O.A. igth	Thr	ENSIO C ead igth]		l hing N Flat	
in.	mm.	in.	mm.					in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.
.065	1,7	.210	5,3	M4536	M4537	Flex RLTCG 1/4	01	.540	197	2.57	65.3	15	11.4	.21	5.3	.63	16.0
.115	2,9	.250	6,4	M4538	M4539	Flex LTCG 1/4	7/1	.540	13,1	2.31	00,0	.40	11,4	.21	5,5	.03	10,0
.065	1,7	.230	5,8	M3474	M3475	Flex RLTCG 3/8	<i>R</i> J	690	17.3	2.04	74.7	.49	12.4	.21	5.3	.82	20.8
.105	2,7	.315	8,0	M3254	M3255	Flex LTCG 3/8	2/7	.000	17,3	2.94	14,1	.43	12,4	.21	5,5	.02	20,0
.095	2,4	.290	7,4	M4540	M4541	Flex RLTCG 1/2	(ŲL)	975	22.2	4.00	103.9	61	15.5	.21	5.3	.98	24.9
.170	4,3	.450	11,4	M3251	M3252	Flex LTCG 1/2	ΨĽ)	.075	22,2	4.03	100,5	.01	10,0	.21	5,5	.30	24,3
.260	6,6	.546	13,9	M3266	M3267	Flex LTCG LL 1/2	(UL)	.875	22,2	4.37	111,0	.44	11,2	.25	6,4	1.06	26,9
.250	6,4	.490	12,4	M3462	M3463	Flex RLTCG 3/4	(ŲL)	1 0/0	26.4	5 15	130,8	.62	15,7	.25	6.4	1.30	33.0
.435	11,0	.705	17,9	M3239	M3242	Flex LTCG 3/4	90	1.040	20,4	5.15	100,0	.02	13,1	.20	0,4	1.30	33,0

Standard colors black and gray.

^{*}To order Nylon or Metal Locknuts separately, see pages 3-17 and 3-18.



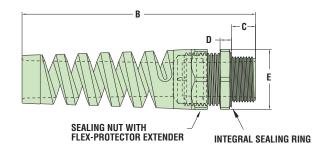
a firm grip on the cable.

assembly provides superior anti-

vibration protection and ensures

- All nylon construction with Buna N or TPE sealing gland resists salt water, weak acids, gasoline, alcohol, oil, grease, and common solvents. (This feature is not assessed by UL.)
- Multiple sizes for flexible cord diameters ranging from .065" (1,7 mm) to .705" (17,9 mm).
- We recommend using the fitting with the smallest maximum diameter that will fit your application.
- Locknuts not included. For nylon locknut specifications or to order locknuts separately, see page 3-18.
- For Heyco Liquid Tight Threaded Plugs. see page 2-22.
- Consult Heyco for cordgrips molded in other colors.







Material Nylon 6/6 w/Buna N or TPE Sealing Gland

Certifications (IL) Listed under Underwriters' Laboratories File E51579

Recognized under the Component Program of Underwriters' Laboratories File E51579

Certified by Canadian Standard Association File 93876C Approved for NEMA 4, 4X, 6 and 6P Applications

Flammability Rating 94V-2 Temperature Range Static -40°F (-40°C) to 239°F (115°C)

Dynamic -4°F (-20°C) to 212°F (100°C)

IP Rating IP 68 (70 PSI, 5 BAR)

Acme threads on body prevent skipping and speed installation.

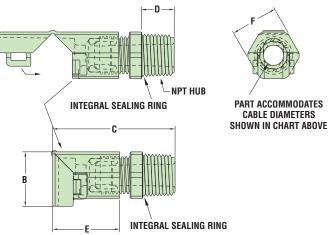
Heyco®-Tite Liquid Tight Cordgrips

Right Angle, NPT Hubs with Integral Sealing Ring The Ultimate in Liquid Tight Strain Relief Protection

Patented Fold Over Design

CABLE DIA	A. RANGE	PAR	T NO.	DESCRIPTION						PAR	T DIME	NSIC	ONS				
		Black	Gray		or 97	Clea	A rance e Dia.	Ri An	B ght gle ight	Le	C c O.A. ngth osed)	Thr	D read ngth	Sea Ni Len	ling ut	Wren	F nching lut : Size
in.	mm.					in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.
.065210	1,7 - 5,3	M4560	M4561	RLTCG 1/4 90	91	540	13,7	60	17,5	1 67	42,5	45	11 /	86	22.0	.63	16.0
.115250	2,9 - 6,4	M4562	M4563	LTCG 1/4 90	/4	.540	10,1	.00	17,0	1.07	72,0	.70	11,7	.00	22,0	.00	10,0
.065230	1,7 - 5,8	M8560	M8561	RLTCG 3/8 90	<i>9</i> 7	680	17.3	9.9	22.3	1 02	48,9	10	10 /	1 07	27 1	.82	20.8
.105315	2,7 - 8,0	M8562	M8563	LTCG 3/8 90	7/4	.000	17,5	.00	22,0	1.33	40,5	.43	12,4	1.07	21,1	.02	20,0
.095290	2,4 - 7,4	M4564	M4565	RLTCG 1/2 90	(JL)	975	22.2	1 06	26.0	2 /1	61,2	61	15.5	1 22	25.1	.98	24.9
.170450	4,3 - 11,4	M8564	M8565	LTCG 1/2 90	ΨĽ)	.073	22,2	1.00	20,9	2.41	01,2	.01	10,0	1.30	JJ, I	.90	24,3

Standard colors black and gray.





SUGGESTED CLEARANCE HOLE FOR NONTHREADED MOUNTING



- Cordgrip is molded in the open position for ease of installation. After cable insertion, the fitting snaps closed. bending the cable without damage. This assembly method saves considerable time and money.
- Part design provides liquid tight integrity even in the open position.
- Integral Sealing Ring ensures a superior seal at the clearance or threaded mounting hole location, every time.
- Widest range of approved cable diameters.
- IP 68 rated.
- Approved for NEMA 4, 4X, 6 and 6P applications.
- Acme threads on body prevent skipping and speed installation.
- Multiple sizes for flexible cord diameters ranging from .065" (1,7 mm) to .450" (11,4 mm).
- We recommend using the fitting with the smallest maximum diameter that will fit your application.
- Patented.
- Locknuts not included. For nylon locknut specifications or to order locknuts separately, see page 3-18.
- For Heyco Liquid Tight Threaded Plugs. see page 2-22.
- Consult Heyco for cordgrips molded in other colors.

Material Nylon 6/6 w/Buna N or TPE Sealing Gland (IL) Listed under Underwriters' Laboratories File E51579 Certifications Recognized under Components Program of Underwriters' Laboratories File E51579 Certified by Canadian Standard Association File 93876C Approved for NEMA 4, 4X, 6 and 6P Applications Flammability Rating 94V-2 Temperature Range Static -40°F (-40°C) to 239°F (115°C) Dynamic -4°F (-20°C) to 212°F (100°C) IP 68 (70 PSI, 5 BAR) **IP Rating**







- Easy installation—unique fingers securely snap into a range of panel thicknesses - up to .125" (3,2 mm) with no tools or locknuts required.
- Sealing flange prevents sealing washer displacement due to water velocity to ensure a liquid tight IP 65 seal.
- · Eliminate need for locknut or threaded hole to achieve liquid tight seal at panel; perfect for low clearance installation where locking nut access is limited.
- Ratchet design of sealing nut assembly provides superior antivibration and ensures a firm grip on the cable.
- Foam washer included.
- Rotation prevented when used in Double D mounting holes.
- For Double D Mounting Hole Punches. see page 4-30 in Heyco Catalog 117.
- Available in multiple sizes for flexible cord diameters ranging from .065" (1,7 mm) to 1.000" (25,4 mm).
- We recommend using the fitting with the smallest maximum diameter that will fit your application.
- Consult Heyco for cordgrips molded in other colors.

Heyco®-Tite Snap-In-2® Liquid Tight Cordgrips

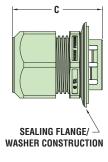
Straight-Thru, Snap-In Hubs

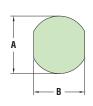
For Panels from .062" (1,6 mm) to .125" (3,2 mm) Thick The Ultimate in Liquid Tight Strain Relief Protection



	CABLE DI	A. RANGE		PART NO.	DESCRIPTION				MENSIONS			
Mini	mum	Maxi	mum	Black		or (I)	A Moun Hole	iting	To Pro Rota	event	Max. Len	0.A.
in.	mm.	in.	mm.				in.	mm.	in.	mm.	in.	mm.
.065 .115	1,7 2,9	.210 .250	5,3 6,4	M3802 M3800	LTRSCG 500 LTSCG 500	<i>9</i> 1	.500	12,7	.450	11,4	1.21	30,7
.065 .105	1,7 2,7	.230 .315	5,8 8,0	M3808 M3806	LTRSCG 625 LTSCG 625	<i>9</i> 1	.625	15,9	.550	14,0	1.30	33,0
.069 .230	1,8 5,8	.250 .395	6,4 10,0	M3814 M3812	LTRSCG 750 LTSCG 750	977	.750	19,1	.660	16,8	1.48	37,6
.095 .170	2,4 4,3	.260 .450	6,6 11,4	M3820 M3818	LTRSCG 875 LTSCG 875	<i>9</i> 1	.875	22,2	.770	19,6	1.46	37,1
.180 .260	4,6 6,6	.440 .546	11,2 13,9	M3826 M3824	LTRSCG 1000 LTSCG 1000	<i>9</i> 1	1.000	25,4	.875	22,2	1.62	41,1
.250 .485	6,4 12,3	.485 .709	12,3 18,0	M3838 M3836	LTRSCG 1125 LTSCG 1125	977	1.125	28,6	1.000	25,4	1.75	44,5
.490 .590	12,4 15,0	.787 .920	20,0 23,4	M3844 M3842	LTRSCG 1250 LTSCG 1250	97	1.250	31,8	1.125	28,6	2.05	52,1
.490 .590	12,4 15,0	.787 1.000	20,0 25,4	M3850 M3848	LTRSCG 1375 LTSCG 1375	<i>9</i> 1	1.375	34,9	1.250	31,8	2.05	52,1

Standard color black.





SUGGESTED CLEARANCE HOLE FOR NONTHREADED MOUNTING



Material Certifications

Temperature Range

Nylon 6/6 w/Buna N or TPE Sealing Gland

Recognized under Components Program of Underwriters' Laboratories File E51579

GP Certified by Canadian Standard Association File 93876C Flammability Rating

Static -40°F (-40°C) to 239°F (115°C) Dynamic -4°F (-20°C) to 212°F (100°C)

IP Rating IP 65



Heyco[®]-Tite Snap-In-2[®] Liquid Tight Cordgrips

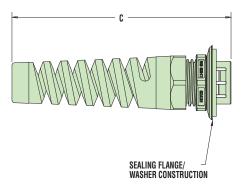
Pigtail™, Snap-In Hubs

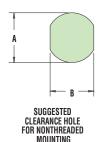
For Panels from .062" (1,6 mm) to .125" (3,2 mm) Thick The Ultimate in Liquid Tight Strain Relief Protection



	Mini		A. RANGE Maxi	mum	PART NO. Black	DESCRIPTION	(J) or 91	A Mour Hole	iting	/IENSIONS B To Pro Rota	event		C O.A. gth
i	in.	mm.	in.	mm.				in.	mm.	in.	mm.	in.	mm.
	065 115	1,7 2,9	.210 .250	5,3 6,4	M3862 M3860	Flex LTRSCG 500 Flex LTSCG 500	<i>9</i> 1	.500	12,7	.450	11,4	2.50	63,5
)65 105	1,7 2,7	.230 .315	5,8 8,0	M3868 M3866	Flex LTRSCG 625 Flex LTSCG 625	<i>9</i> 1	.625	15,9	.550	14,0	2.83	71,9
	069 230	1,8 5,8	.250 .395	6,4 10,0	M3874 M3872	Flex LTRSCG 750 Flex LTSCG 750	<i>9</i> 1	.750	19,1	.660	16,8	3.46	87,9
)95 170	2,4 4,3	.260 .450	6,6 11,4	M3880 M3878	Flex LTRSCG 875 Flex LTSCG 875	<i>9</i> 1	.875	22,2	.770	19,6	3.86	98,0
	180 260	4,6 6,6	.440 .546	11,2 13,9	M3886 M3884	Flex LTRSCG 1000 Flex LTSCG 1000	<i>9</i> 1	1.000	25,4	.875	22,2	4.32	109,7
	185	12,3	.709	18,0	M3896	Flex LTSCG 1125	<i>9</i> 1	1.125	28,6	1.000	25,4	4.90	124,5

Standard color black







- Integral nylon spring eases the cable into a lazy bend; prevents kinking and assures longest cable and product life.
- Easy installation—unique fingers securely snap into a range of panel thicknesses - up to .125" (3,2 mm) with no tools or locknuts required.
- Sealing flange prevents sealing washer displacement due to water velocity to ensure a liquid tight IP 65 seal.
- · Eliminate need for locknut or threaded hole to achieve liquid tight seal at panel; perfect for low clearance installation where locking nut access is limited.
- Ratchet design of sealing nut assembly provides superior antivibration and ensures a firm grip on the cable.
- Foam washer included.
- Rotation prevented when used in Double D mounting holes.
- For Double D Mounting Hole Punches, see page 4-30 in Heyco Catalog 117.
- Available in multiple sizes for flexible cord diameters ranging from .065" (1,7 mm) to .709" (18,0 mm).
- We recommend using the fitting with the smallest maximum diameter that will fit your application.
- Consult Heyco for cordgrips molded in other colors.

Material Certifications

Flammability Rating

Temperature Range

Nylon 6/6 w/Buna N or TPE Sealing Gland

Recognized under Components Program of Underwriters' Laboratories File E51579

Certified by Canadian Standard Association File 93876C 94V-2

IP Rating

Static -40°F (-40°C) to 239°F (115°C) Dynamic -4°F (-20°C) to 212°F (100°C) IP 65





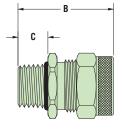
- Aluminum construction provides excellent durability and performance for most industrial applications.
- For use in both indoor and outdoor applications to prevent cable pull-out, control arc of bend, and to provide a tight seal against environmental elements such as dirt, moisture, and coolants.
- IP 67 rated.
- Approved for NEMA 6 applications.
- · Protect cable from damage and pullout and are used in conduit hubs or knock-outs at the point where the electrical cable is to be terminated.
- Unique design with a combination tightening surface that includes both a hex area and a knurled surface.
- Anti-friction washer allows for easier compression.
- DFARS Compliant

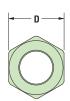
Heyco®-Tite Aluminum Liquid Tight Cordgrips Straight-Thru, NPT Hubs

The Ultimate in Liquid Tight Strain Relief Protection

CA	BLE DI	A. RAN	GE	PART NO.	THREAD SIZE			١	PA B	RT DIN		NS C		
Mini	mum	Maxi	mum	Machined	SIZE	(UL)	Clea	rance Dia.	Max. Len	0.A.	Thr Len	ead	Wren Flat	ching
in.	mm.	in.	mm.	Aluminum			in.	mm.	in.	mm.	in.	mm.	in.	mm.
.125	3,2	.188	4,8	M5000*										
.188	4,8	.250	6,4	M5001	NDT 1/4	(E)	.54	13,7	1.38	25.1	4.4	11.2	.88	22.4
.250	6,4	.312	7,9	M5002	INP 1 1/4	(UL)	.54	13,1	1.30	35,1	.44	11,2	.00	22,4
.312	7,9	.375	9,5	M5003										
.125	3,2	.188	4,8	M5005*										
.188	4,8	.250	6,4	M5006	NPT 3/8	(UL)	.68	17.3	1.38	35.1	.44	11.2	.88	22,4
.250	6,4	.312	7,9	M5007		(NI)	.00	17,3	1.30	33,1	.44	11,2	.00	22,4
.312	7,9	.375	9,5	M5008										
.125	3,2	.188	4,8	M5010*										
.188	4,8	.250	6,4	M5011										
.250	6,4	.312	7,9	M5012	NPT 1/2	(UL)	.88	22,4	1.38	35,1	.44	11,2	.88	22,4
.312	7,9	.375	9,5	M5013										
.375	9,5	.438	11,1	M5014										
.125	3,2	.188	4,8	M5015*										
.188	4,8	.250	6,4	M5016										
.250	6,4	.312	7,9	M5017										
.312	7,9	.375	9,5	M5018	NPT 1/2	(UL)	.88	22,4	1.62	41.1	.56	14.2	1.13	28,7
.375	9,5	.438	11,1	M5019	NPT 1/4 NPT 3/8 NPT 1/2	(AL)	.00	<i>LL</i> ,7	1.02	71,1	.00	17,2	1.10	20,1
.438	11,1	.500	12,7	M5020	NPT 3/8 * NPT 1/2 * NPT 1/2									
.500	12,7	.562	14,3	M5021	* NPT 3/8 * NPT 1/2 * NPT 1/2									
.562	14,3	.625	15,9	M5022										

Assembled O-ring INCLUDED. *Not UL Listed or CSA Certified. Locknut not included - See page 3-17 for Metal Locknuts.







SUGGESTED CLEARANCE HOLE FOR NONTHREADED MOUNTING



Material Certifications

Flammability Rating Temperature Range **IP Rating**

Aluminum with Neoprene Sealing Gland and Viton® O-Ring

Listed under Underwriters' Laboratories File E51579

Certified by Canadian Standard Association File 258093 94V-2

-40°F (-40°C) to 250°F (121°C) **IP 67**

Heyco®-Tite Aluminum Liquid Tight Cordgrips Straight-Thru, NPT Hubs

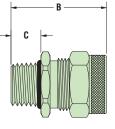
The Ultimate in Liquid Tight Strain Relief Protection

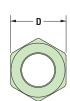
CA	ABLE DI	A. RANG	GE	PART	THREAD					ART DIN				
Mini	imum	Mavi	mum	NO.	SIZE	(F)		\ rance	May	0.A.	(Thr	C	Wren	
IVIIIII	IIIIuIII	IVIAXI	IIIuIII	Machined		(II)		Dia.	Len		Len		Flat	
in.	mm.	in.	mm.	Aluminum			in.	mm.	in.	mm.	in.	-	in.	mm.
.125	3,2	.188	4,8	M5029										
.188	4,8	.250	6,4	M5030										
.250	6,4	.312	7,9	M5031										
.312	7,9	.375	9,5	M5032	NPT 3/4	(ŪL)	1.09	27,7	1.62	41,1	.56	14.2	1.13	28,7
.375	9,5	.438	11,1	M5033	NF1 3/4	QI)	1.09	21,1	1.02	41,1	.50	14,2	1.13	20,1
.438	11,1	.500	12,7	M5034										
.500	12,7	.562	14,3	M5035										
.562	14,3	.625	15,9	M5036										
.438	11,1	.500	12,7	M5037										
.500	12,7	.562	14,3	M5038										
.562	14,3	.625	15,9	M5039	NPT 3/4	(UL)	1.09	27,7	1.82	46,2	EG	14,2	1.37	34.8
.562	14,3	.688	17,5	M5040	NP1 3/4	QI)	1.09	21,1	1.02	40,2	.56	14,2	1.07	34,0
.625	15,9	.750	19,1	M5041										
.688	17,5	.812	20,6	M5042										
.438	11,1	.562	14,3	M5050										
.562	14,3	.625	15,9	M5051										
.562	14,3	.688	17,5	M5052										
.625	15,9	.750	19,1	M5053	NPT 1	(UL)	1.38	35,1	2.03	51.6	.62	15.7	1.56	39.6
.688	17,5	.812	20,6	M5054	INFII	QI)	1.30	30, I	2.03	01,0	.02	15,7	1.00	39,0
.750	19,1	.875	22,2	M5055										
.812	20,6	.938	23,8	M5056										
.875	22,2	1.000	25,4	M5057*										
.875	22,2	1.000	25,4	M5058										
1.000	25,4	1.125	28,6	M5059	NPT 1	(ŪL)	1.38	35,1	2.50	63,5	.69	17,5	2.25	57,2
1.125	28,6	1.250	31,8	M5060	INFII	QI)	1.30	55, I	2.50	03,3	.09	17,5	2.20	37,2
1.250	31,8	1.375	34,9	M5061										
.562	14,3	.688	17,5	M5062										
.688	17,5	.812	20,6	M5063										
.750	19,1	.875	22,2	M5064	NPT 1-1/4									
.875	22,2	1.000	25,4	M5065		(UL)	1.72	43,7	2.50	63,5	.69	17,5	2.25	57,2
1.000	25,4	1.125	28,6	M5066										
1.125	28,6	1.250	31,8	M5067										
1.250	31,8	1.375	34,9	M5068										

Assembled O-ring INCLUDED. *Not UL Listed or CSA Certified. Locknut not included - See page 3-17 for Metal Locknuts.



- Aluminum construction provides excellent durability and performance for most industrial applications.
- For use in both indoor and outdoor applications to prevent cable pull-out, control arc of bend, and to provide a tight seal against environmental elements such as dirt, moisture, and coolants.
- IP 67 rated.
- · Protect cable from damage and pullout and are used in conduit hubs or knock-outs at the point where the electrical cable is to be terminated.
- Unique design with a combination tightening surface that includes both a hex area and a knurled surface.
- Anti-friction washer allows for easier compression.
- DFARS Compliant







SUGGESTED CLEARANCE HOLE FOR NONTHREADED MOUNTING

Material Certifications Aluminum with Neoprene Sealing Gland and Viton® O-Ring

(UL) Listed under Underwriters' Laboratories File E51579

Certified by Canadian Standard Association File 258093 94V-2

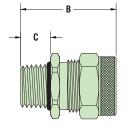
Flammability Rating Temperature Range IP Rating

IP 67

-40°F (-40°C) to 250°F (121°C)



- Aluminum construction provides excellent durability and performance for most industrial applications.
- For use in both indoor and outdoor applications to prevent cable pull-out, control arc of bend, and to provide a tight seal against environmental elements such as dirt, moisture, and coolants.
- IP 67 rated.
- Protect cable from damage and pullout and are used in conduit hubs or knock-outs at the point where the electrical cable is to be terminated.
- Unique design with a combination tightening surface that includes both a hex area and a knurled surface.
- Anti-friction washer allows for easier compression.
- DFARS Compliant







SUGGESTED CLEARANCE HOLE FOR NONTHREADED MOUNTING

Heyco®-Tite Aluminum Liquid Tight Cordgrips Straight-Thru, NPT Hubs

The Ultimate in Liquid Tight Strain Relief Protection

CA	BLE DI	A. RANO	GE	PART NO.	THREAD SIZE			,		RT DIN		NS C		١
Mini	mum	Maxi	mum	Machined	SIZE	(UL)	Clear	ance	Max.	0.A.	Thr	ead	Wren	ching
in.	mm.	in.	mm.	Aluminum			Hole in.	Dia. mm.	Ler in.	i gth mm.	Len in.	i gth mm.	Flat in.	Size mm.
Mad	hined	Alumi	num											
.562	14,3	.688	17,5	M5069*										
.688	17,5	.812	20,6	M5070										
.750	19,1	.875	22,2	M5071		(UL)								
.875	22,2	1.000	25,4	M5072	NPT 1-1/2		1.97	50,0	2.50	63,5	.69	17,5	2.25	57,2
1.000	25,4	1.125	28,6	M5073										
1.125	28,6	1.250	31,8	M5074										
1.250	31,8	1.375	34,9	M5075										
1.250	31,8	1.375	34,9	M5080										
1.312	33,3	1.437	36,5	M5081		(UL)								
1.438	36,5	1.562	39,7	M5082	NPT 2		2.46	62,5	3.12	79,2	.80	20,3	2.83	71,9
1.562	39,7	1.688	42,9	M5083										
1.688	42,9	1.812	46,0	M5084										
Cas	t Alun	inum												
1.688	42,9	1.812	46,0	M5091		(UL)								
1.812	46,0	1.938	49,2	M5092		Ψ <u>r</u>								
1.938	49,2	2.062	52,4	M5093	NPT 2-1/2		2.96	75.2	4 20	106,7	1 20	32.5	4.00	101.6
2.062	52,4	2.188	55,6	M5094	INF 1 2-1/2		2.90	13,2	4.20	100,7	1.20	32,3	4.00	101,0
2.188	55,6	2.312	58,7	M5095										
2.312	58,7	2.438	61,9	M5096										
1.688	42,9	1.812	46,0	M5097		(UL)								
1.812	46,0	1.938	49,2	M5098		Ų.								
1.938	49,2	2.062	52,4	M5099	NPT 3		3.58	90.9	1 20	106,7	1 21	33,3	4.00	101,6
2.062	52,4	2.188	55,6	M5100	IVIII		0.00	30,3	4.20	100,1	1.01	00,0	4.00	101,0
2.188	55,6	2.312	58,7	M5101										
2.312	58,7	2.438	61,9	M5102										
2.437	61,9	2.625	66,7	M5103										
2.625	66,7	2.812	71,4	M5104	NPT 3	*	3.50	88.9	4 85	123,2	1 39	35,3	4 75	120,7
2.812	71,4	3.000	76,2	M5105	IVIII		0.00	30,3	4.00	120,2	1.00	30,0	7.70	120,1
3.000	76,2	3.250	82,6	M5106										

Assembled O-ring **INCLUDED**. *Not UL Listed or CSA Certified. Locknut not included - See page 3-17 for Metal Locknuts.



Material Certifications

Flammability Rating Temperature Range IP Rating Aluminum with Neoprene Sealing Gland and Viton® O-Ring

Listed under Underwriters' Laboratories File E51579

Certified by Canadian Standard Association File 258093 94V-2

-40°F (-40°C) to 250°F (121°C) IP 67



HEYbrid[™] Aluminum Liquid Tight Cordgrips

Straight-Thru, NPT Hubs

Don't get SKU'ed: More Cable Range, Fewer SKU's! Genetically engineered to destroy your inventory monster! The Ultimate in Liquid Tight Strain Relief Protection



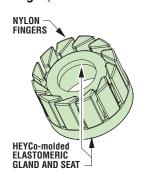
CA	RIFD	IA. RAN	IGF	PART	DESCRIPTION					PΔR	אוח ד	IENSIO	2NC			
U.	DLL D	in. IIni	IUL	NO.	DEGOIIII IION	(UL)	А		В			C		D		•
Mini	mum	Maxi	mum	Machined		or	Clear	ance	Max.	0.A.	Thr	ead			hing No	
				Aluminum		<i>R</i> 1	Hole			ngth		3		ness		
	mm.	in.		·/01-			in.	mm.	ın.	mm.	ın.	mm.	ın.	mm.	ın.	mm.
				inger/Gla												
.065	_ ′	.210	- , -	M6100	RALCG 1/4	c FN °us	540	13.7	1.29	32.8	.40	13,2	20	5.1	.75	19,1
.115		.250	6,4	M6101	ALCG 1/4					02,0				<u> </u>		
.065	, ,	.230	5,8	M6102	RALCG 3/8	c 91 2'us	680	17.3	1 39	35,3	41	10,4	20	5.1	88	22,4
.105	,	.315	8,0	M6103	ALCG 3/8	C # BUS	.000	17,0	1.00	00,0		10,1	.20	0,1	.00	22, 1
.095	, ,	.290	7,4	M6106	RALCG 1/2	c UL us	875	22.2	1 60	12 Q	53	13,5	20	5 1	1.06	26.0
.170	4,3	.450	11,4	M6107	ALCG 1/2	C E US	.073	22,2	1.03	42,3	.55	13,3	.20	J, I	1.00	20,9
.180	4,6	.400	10,1	M6108	RALCG LL 1/2	(h)	075	22.2	1 01	16 N	52	13,5	20	5 1	1.25	21 0
.260	6,6	.545	13,8	M6109	ALCG LL 1/2	c UL US	.075	22,2	1.01	40,0	.55	13,3	.20	5,1	1.20	31,0
.250	6,4	.490	12,4	M6110	RALCG 3/4	(h)	1 100	00.0	1 00	40.0	EE	140	20	E 4	1 01	20.0
.435	11,0	.705	17,9	M6111	ALCG 3/4	c UL US	1.109	20,2	1.93	49,0	.55	14,0	.20	5,1	1.31	33,3
.490	12,4	.785	19,9	M6112	RALCG 1	(h)	1 075	040	0.00	E0.4	00	47.5	00	- 4	4 75	44.5
.590	15,0	1.000	25,4	M6113	ALCG 1	c UL US	1.3/5	34,9	2.29	58, I	.69	17,5	.20	5,1	1./5	44,5
D	iscre	le Fin	ger &	Gland												
		1.02	26,0	M6115	RALCG 1-1/4	(h)	1 70 4	44.0	0.50	05.0	74	10.0	0.5	C 4	0.05	F7.0
.865	22,0	1.26	32,0	M6116	ALCG 1-1/4	c UL US	1./34	44,0	2.56	05,0	./1	18,0	.25	6,4	2.25	57,2
1.00	25,4	1.24	31,5	M6117	RALCG 1-1/2	c (UL) US	1 004	FO 4	0.00	07.1	70	10.5	0.5	C 4	0.50	CO F
1.23	31,2	1.56	39,6	M6118	ALCG 1-1/2	t (3)03	1.984	50,4	2.69	6/,1	./3	18,5	.25	6,4	2.50	63,5
1.16	29,5	1.35	34,3	M6119	RALCG 2	c UL US	0.400	CO 7	0.00	74.0	70	10.0	O.F.	C 4	0.75	00.0
1.45	36,8	1.73	44,0	M6120	ALCG 2		2.469	62,7	2.92	74,2	./6	19,3	.25	6,4	2.75	69,9
Accor	n blod	∩_rina	INICLLI	DED												

Assembled O-ring INCLUDED.

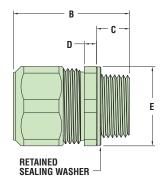
Locknut not included - see page 3-17 for Metal Locknuts

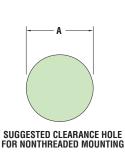
- HEYCo-molded gripping finger/gland technology accommodates the widest cable range over the fewest sku's.
- Rolled grease-free threads prevent galling and allow for multiple assemblies and disassemblies. No messy, unsightly thread lubrication required.
- Approved for NEMA 4, 4X, 6 and 6P.
- Self-retaining sealing rings eliminate the need for an O-Ring groove, thus reducing cost.
- Aluminum construction provides excellent durability and performance for most industrial applications.
- For use in both indoor and outdoor applications to prevent cable pull-out. control arc of bend, and to provide a tight seal against environmental elements such as dirt, moisture, and coolants.
- Sealing washer required for through hole applications only.
- DFARS Compliant

The HEYCo-molded Finger, Gland & Seat



IP Rating





Material		6061 Aluminum Body and sealing nut with nylon 6/6 and TPE co-molded finger/gland assembly SBR Sealing Washer
Certifications	c (UL) US	Listed under Underwriters' Laboratories File E51579 to both Canadian and U.S. requirements
	c Ru °us	Recognized under Underwriters' Laboratories File E51579 to both Canadian and U.S. requirements
Flammability Rating		94V-2
Temperature Range		-40°F (-40°C) to 221°F (105°C)

IP68 (70 PSI, 5 BAR)

"Stay Connected" with HEYCO Solar Power Components

a PennEngineering® Company



- HEYCo-molded gripping finger/gland technology accommodates the widest cable range over the fewest sku's.
- Rolled grease-free threads prevent galling and allow for multiple assemblies and disassemblies. No messy, unsightly thread lubrication required.
- Approved for NEMA 4, 4X, 6 and 6P.
- · Self-retaining sealing rings eliminate the need for an O-Ring groove, thus reducing cost.
- Sealing washer required for through hole applications only.
- Typical applications: Control cabinets, marine, car washes, hot tubs, instrumentation, carpet cleaning machines, food processing equipment, underground for direct burial or submersed up to 130 ft. (70 PSIG).
- Ideal for corrosive environments.
- Constructed from corrosion resistant 303 stainless steel.
- · Resistant to salt water, acids and most chemicals.
- · Locknuts not included. To order locknuts separately, see page 3-17.
- Patent pending.
- DFARS Compliant

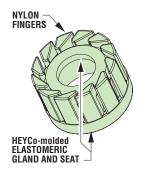
HEYbrid[™] Stainless Steel Liquid Tight Cordgrips

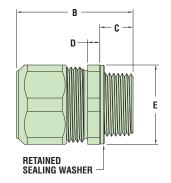
Straight-Thru, NPT Hubs

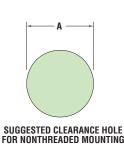
Don't get SKU'ed: More Cable Range, Fewer SKU's -Genetically engineered to destroy your inventory monster! The Ultimate in Liquid Tight Strain Relief Protection

CAI	BLE DI	A. RAN	IGE	PART	DESCRIPTION	(I)	Α.					ENSIC			-	
Min	imum	Maxi	mum	NO.		or 91	Cleara Hole	ance	Max. Len	0.A.	Thr Len				E ing Nu Flat	ıt
in.	mm.	in.	mm.				in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.
Н	EYco.	-mold	ed Fi	nger/Gla	and											
.065 .115	1,7 2,9	.210 .250	5,3 6,4	M6000 M6001	RSSCG 1/4 SSCG 1/4	c 91 0s	.540	13,7	1.29	32,8	.40	10,2	.20	5,1	.75	19,1
.065 .105	1,7 2,7	.230 .315	5,8 8,0	M6002 M6003	RSSCG 3/8 SSCG 3/8	c 91 0s	.680	17,3	1.39	35,3	.41	10,4	.20	5,1	.88	22,4
.095 .170	2,4 4,3	.290 .450	7,4 11,4	M6006 M6007	RSSCG 1/2 SSCG 1/2	c UL us	.875	22,2	1.69	42,9	.53	13,5	.20	5,1	1.06	26,9
.180 .260	4,6 6,6	.400 .545	10,1 13,8	M6008 M6009	RSSCG LL 1/2 SSCG LL 1/2	c (UL) us	.875	22,2	1.81	46,0	.53	13,5	.20	5,1	1.25	31,8
.250 .435	6,4 11,0	.490 .705	12,4 17,9	M6010 M6011	RSSCG 3/4 SSCG 3/4	c (UL) US	1.109	28,2	1.93	49,0	.55	14,0	.20	5,1	1.31	33,3
	12,4 15,0	.785 1.000	- , -	M6012 M6013	RSSCG 1 SSCG 1	c UL US	1.375	34,9	2.29	58,1	.69	17,5	.20	5,1	1.75	44,5
D	iscre	te Fin	ger 8	& Gland								_ <	ALL N	EW P	RODU	CTS
.787	20,0	1.02	26,0	M6015	RSSCG 1-1/4	c(VL)US	1.734	44.0	0.56	65.0	71	18,0	.25	6,4	2.25	57,2
.865	22,0	1.26	32,0	M6016	SSCG 1-1/4	c VL/US	1.734	44,0	2.30	05,0	./ 1	10,0	.25	0,4	2.23	37,2
1.00	25,4	1.24	31,5	M6017	RSSCG 1-1/2	_c UL) _{US}	1.984	E0 4	2.60	67.1	70	18,5	.25	6.4	2.50	63.5
1.23	31,2	1.56	39,6	M6018	SSCG 1-1/2	c (F) US	1.904	30,4	2.09	07,1	./3	10,0	.25	0,4	2.50	00,0
1.16	29,5	1.35	34,3	M6019	RSSCG 2	c UL us	2 460	62.7	2 02	7/1 2	76	19,3	.25	6,4	2.75	69.9
1.45	36,8	1.73	44,0	M6020	SSCG 2	0 3 03	2.403	02,1	2.52	14,2	.70	13,3	.23	0,4	2.73	09,9

The HEYCo-molded Finger, Gland & Seat









Material

Certifications

303 Stainless Steel Body and sealing nut with nylon 6/6 and TPE

co-molded finger/gland assembly

SBR Sealing Washer

c Listed under Underwriters' Laboratories File E51579 Recognized under Underwriters' Laboratories File E51579

Flammability Rating Temperature Range IP Rating

-40°F (-40°C) to 221°F (105°C)

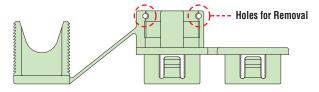
IP68 (70 PSI, 5 BAR)

Heyco[®] Nylon Removable Snap-In Ratcheting Strain Reliefs

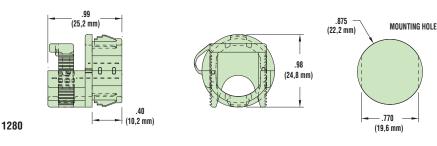
For Round and Double D Mounting Holes

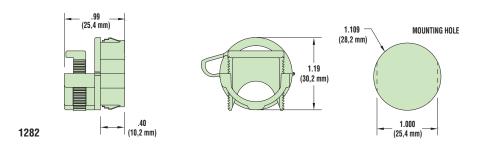
WILL FIT TH Cross Section	Approx	LES ximate ze	Mou	ANEL DIMEN nting Size	Maximum Thickness		Black LENGTH M		Moi	sponding ounting le Plug		
	in.	mm.	in.	mm.	in.	mm.			in.	mm.	PART NO.	DESC.
Round, Flat or Multiple	.12- .58	2,9- 14,6	.875 w/.770 flats	22,2 w/19,6 flats	.13	3,2	1280	RSR 875	1.00	25,4	2509	DD 875 -770
Round, Flat or Multiple	.12- .75	2,9- 19,1	1.109 w/1.000 flats	28,2 w/25,2 flats	.13	3,2	1282	RSR 1109	1.00	25,4	2717	DD 1109 -1000

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











- Assembly friendly! Independent of insertion into the panel, the Ratcheting Strain Relief self-locks onto the cable. Thus, it may be preassembled offline for final assembly at a later time or remote location, for lower installed cost!
- Unique wire locking ratchet allows for generous wire range from .12" (2,9 mm) to .75" (19,1 mm).
- Can be used for one cable or multiple cables (round or flat wire).
- Installs easily with fingertip pressure into a standard round or Double D hole.
- Ratcheting Strain Relief can be easily removed by inserting standard snap ring pliers with .04" tips (Heyco PN 0054) into the two holes on the part (see drawing) and spreading part open.
- Ideal solution for managing internal wire bundles such as wire harnesses.
- PN 1280 UL Recognized for multiple cables/conductors.
- Consult Heyco for other wire types and sizes.
- For Double D Mounting Hole Punches, see page 4-30 in Heyco Catalog 117.



Material Certifications Nylon 6/6

Recognized under the Component Program of Underwriters' Laboratories File E15331

(SP) Certified by Canadian Standards Association File 8919

Flammability Rating Temperature Range

-.04°F (-18°C) to 221°F (105°C)

"Stay Connected" with HEYCO Solar Power Components

a PennEngineering® Company



- Multiple gland sizes for 12/2 through 14/3 Romex® NM-B and UF-B cable. Consult Heyco for additional cable sizes.
- Hub sizes for 1/2 NPT and 3/4 NPT electrical knock-outs or threaded couplings. Consult Heyco for PG and Metric threaded hubs.
- · Ratchet design of sealing nut assembly provides superior anti-vibration protection and ensures a firm grip on this cable.
- Integral Sealing Ring ensures a superior seal at mounting locations every time.
- All nylon construction with TPE sealing gland resists salt water, weak acids, gasoline, alcohol, oil, grease, and common solvents. (This feature is not assessed by UL.)
- Assembled Metal Locknuts INCLUDED.

Heyco®-Tite Nylon Liquid Tight Romex® and Other Oval Hole Connectors

Straight-Thru, NPT Hubs with Integral Sealing Ring

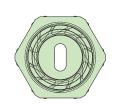
For Romex® NM-B and UF-B Cables. For use in clearance or threaded holes, electrical conduit couplings and adapters.

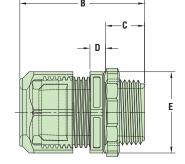
The Ultimate in Liquid Tight Strain Relief Protection

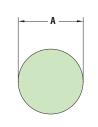
WILI	L FIT THE	SE CABL	.ES	PART NO.	DESCRIPTION											
Romex®	AWG/		ximate				I	-		В	([1	E	
Type	Conds.	S	ize	Black		(U)	Clear			. O.A.	Thr				ing Nu	
							Hole			ngth	Length		Thickness		Flat Size	
		in.	mm.				in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.
Rom	iex® C	onnect	ors – a	ssembled	steel lock	nuts	inclu	ded								
NM-B	14/2	.19 x	4,9 x	M3231GZA*	LTCG 1/2	(UL)	.875	22,2	1.70	43,2	.61	15,5	.21	5,3	.98	24,9
INIVI-D	14/2	.39	9,9	M3234GZA	LTCG 3/4	-	1.040	26,4	2.00	50,8	.62	15,7	.25	6,4	1.30	33,0
NIM D	10/0	.21 x	5,3 x	M3231GZB*	LTCG 1/2	(UL)	.875	22,2	1.70	43,2	.61	15,5	.21	5,3	.98	24,9
NM-B	12/2	.42	10,7	M3234GZB	LTCG 3/4	(UL)	1.040	26,4	2.00	50,8	.62	15,7	.25	6,4	1.30	33,0
	4.4/0	.18 x	4,5 x	110004075	1700.044											
	14/2	.35	8,9	M3234GZE	LTCG 3/4	-										
UFB	12/2	.19 x	4,8 x	M3234GZF			1.040	26,4	2.00	50.8	.62	15.7	.25	6.4	1.30	33.0
UFB	12/2	.42	10,7	WI3Z34UZF	LTCG 3/4	(UL)	1.040	20,4	2.00	50,0	.02	10,1	.20	0,4	1.30	33,0
	14/3	.19 x	4,8 x	M3234GZG*		G.										
		.63	16,1													
Othe	er Oval	Hole I	_TCGs -	- locknuts	s not includ	ded										
		.45 x	11,4 x	842024071/	LT00 0/4											
		.21	5,3	M3234GZK	LTCG 3/4	_	1.040	06.4	2.00	50.8	.62	15.7	.25	6.4	1.30	33.0
n/a	n/a	.31 x	7,9 x	M3234GZM	LTCG 3/4	_	1.040	26,4	2.00	50,0	.02	10,1	.20	0,4	1.30	აა,0
11/α	11/α	.19	4,8	IVIOZ04UZIVI	L100 3/4											
		.69 x	17,5 x	M8437GZH	LTCG 1	_	1.326	33,7	2.41	61,2	.76	19,3	.30	7,6	1.73	43,9
		.19	4,8	IIIO-TO / UZII	LIGUI	_	1.020	00,1	2.41	01,2	.70	13,3	.00	7,0	1.73	70,5

Standard color black.









SUGGESTED CLEARANCE HOLE FOR NON - THREADED MOUNTING



Material Certifications Flammability Rating Temperature Range Nylon 6/6 with TPE Sealing Gland

Listed under Underwriters' Laboratories File E103540 94V-2

Static -40°F (-40°C) to 239°F (115°C) Dynamic -4°F (-20°C) to 212°F (100°C)

IP Rating IP 68

^{* (}SP. Certified by Canadian Standard Association for NMD-90 wire-File 93876.

Heyco® Zinc Die-Cast Box Connectors

TRADE SIZE	MOUI	MINAL NTING Le Ieter	WILL Flexible Metallic Conduit	FIT THESE (CABLES* Non- Metallic Sheathed	PART NO.	DESCRIPTION			A Maxi	ENSION mum ire	Ove	B erall ngth
	in.	mm.		***				in.	mm.	in.	mm.	in.	mm.
Clai	mp-Typ	e Con	nector										
3/8**	.875	22,2	-	14/2, 14/3, 12/2, 12/3, 10/2, 10/3	14/2, 12/2, 12/3	3043	751 aka Romex® Connector	.18	4,6	.64	16,3	.81	20,6
90°	Angle	Conne	ctors										
3/8**	.875	22,2	3/8	14/2, 14/3, 14/4, 12/2, 12/3, 12/4, 10/2, 8/1, 6/1, 4/1	-	3030	561	.45	11,4	.63	16,0	1.81	46,0
1/2	.875	22,2	1/2	8/2	_	3031	563	.65	16,5	.97	24,6	2.05	52,1
Con	nbinati	on Con	nectors										
3/8**	.875	22,2	3/8	14/2, 14/3, 14/4, 12/2, 12/3, 12/4	14/2, 14/3, 12/2, 12/3	3029 3040	551 551 No Nut	.35	9,0	.43	11,0	.79	20,0
Box	Conne	ector											
1/2	.875	22,2	n/a	n/a	n/a	9840	SP1	.40	10,2	1.12	28,4	.31	7,9
*Caugo/	Canduat		ont FMC										



^{**1/2″} K.O.



3043

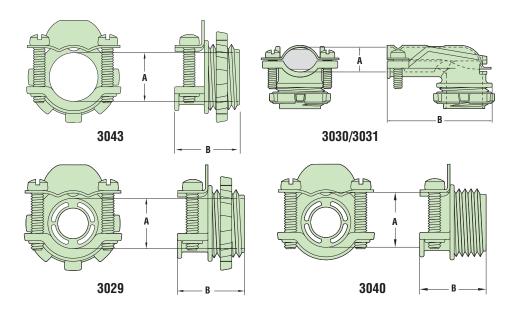
Part No. 3043 (751) commonly known as a Romex® Connector.

- Also fits corrugated MC at .51" (13,0 mm) diameter, smooth MC at .35" (8,8 mm) to .53" (13,3 mm) diameter.
- DFARS Compliant

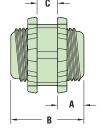


9840

- Provides a connecting link between boxes, panels or chassis.
- Space boxes 5/16" (7,9 mm) apart.
- Die-cast locknut included.
- DFARS Compliant







9840

Material Certifications Zamak 3

- (UL) Listed under Underwriters' Laboratories File E103541
- Certified by the Canadian Standards Association File 88539

^{***}Not UL Rated for armored cable.



Heyco® Nylon Snap-In Bushings for American Electrical Knock Out Holes

Heyco® K. O. Snap Bushings

TRADE SIZE	нс	NTING DLE Ieter	PART NO. Black	DESCRIPTION	INSI DIAME	
	in.	mm.			in.	mm.
Multip	le Lockin	g Steps fo	r Box Thi	ckness up to .12	5″ (3,2 n	nm)
1/2	.875	22,2	2126	SB 875-11	.69	17,5
3/4	1.093- 1.125	27,8- 28,6	2166	SB 1093-15	.94	23,8
1	1.375	34,9	2210	SB 1375-16	1.01	25,8
1-1/4	1.750	44,5	2300	SB 1750-22	1.38	34,9
1-1/2	2.000	50,8	2406	SB 2000-28	1.75	44,5
Multip	le Lockin	g Steps fo	r Box Thi	ckness up to .25	0″ (6,4 n	nm)
1/2	.875	22,2	3104	SBT 875-11	.69	17,5
3/4	1.093- 1.125	27,8- 28,6	3128	SBT 1093-15	.94	23,8
1	1.375	34,9	3110	SBT 1375-16	1.00	25,4
1-1/4	1.750	44,5	3114	SBT 1750-22	1.38	34,9
1-1/2	2.000	50,8	3116	SBT 2000-26	1.63	41,3
2	2.500	63.5	2420	SB 2.500-31	1.97	50.0

Standard color black. Consult Heyco for other colors.

Heyco® K. O. Universal Bushings

TRADE SIZE	НО	NTING DLE ETER	PART NO. Black	DESCRIPTION	INSI DIAME	
	in.	mm.			in.	mm.
Multip	le Lockin	g Steps fo	r Panel T	hickness up to .1	125″ (3,2	mm)
1/2	.875	22,2	2119	UB 875	.56	14,3
3/4	1.093- 1.125	27,8 28,6	2157	UB 1093	.81	20,6
1	1.375	34,9	2184	UB 1375	1.00	25,4
1-1/4	1.750	44,5	2298	UB 1750	1.38	34,9
1-1/2	2.000	50,8	2422	UB 2000	1.64	41,6
Multip	le Lockin	g Steps fo	r Panel T	hickness up to .2	250" (6,4	mm)
1/2	.875	22,2	3120	UBT 875	.56	14,3
3/4	1.093- 1.125	27,8 28,6	3002	UBT 1093	.81	20,6
1	1.375	34,9	3003	UBT 1375	1.00	25,4
2	2.500	63,5	2440	UB 2.500	1.97	50,0

Standard color black. Consult Heyco for other colors.

Heyco® K. O. Reducer Bushings

Multiple Locking Steps for Panel Thickness up to .125" (3,2 mm)

TRADE SIZE	нс	NTING DLE IETER	PART NO. Black	DESCRIPTION	INSI Diame	
	in.	mm.			in.	mm.
			2110	SB 875-6	.38	9,5
			2113	SB 875-7	.44	11,1
1/2	.875	22,2	2116	SB 875-8	.50	12,7
			2120	SB 875-9	.56	14,3
			2123	SB 875-10	.63	15,9
3/4	1.093 -	27,8-	2160	SB 1093-13	.81	20,6
3/4	1.125	28,6	2163	SB 1093-14	.88	22,2
1	1.375	34,9	2207	SB 1375-14	.88	22,2
1-1/2	2.000	50,8	2400	SB 2000-26	1.64	41,6

Standard color black. Consult Heyco for other colors.





K.O. Snap and Reducer Bushings





K.O. Universal Bushings



Certifications

Recognized under the Component Program of Underwriters' Laboratories,

Flammability Rating Temperature Range



-.04°F (-18°C) to 221°F (105°C)



Heyco® Nylon Snap-In Bushings for American Electrical Knock Out Holes

Heyco® K. O. Open/Closed Universal Bushings

TRADE SIZE	HO	NTING DLE ETER mm.	PART NO. Black	DESCRIPTION	INSI DIAME in.	
Multip	le Lockin	g Steps fo	r Panel T	hickness up to .	125″ (3,2	mm)
1/2	.875	22,2	2119SP	OCUB 875	.56	14,3
3/4	1.093- 1.125	27,8- 28,6	2157SP	OCUB 1093	.81	20,6
1	1.375	34,9	2184SP	OCUB 1375	1.00	25,4
1-1/2	2.000	50,8	2422SP	OCUB 2.000	1.64	41,7
Multip	le Lockin	g Steps fo	r Panel T	hickness up to .2	250" (6,4	mm)
2	2.500	63,5	2440SP	OCUB 2.5	1.97	43,2

Standard color black. Consult Heyco for other colors.

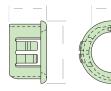
Heyco® K. O. Smooth Bore Bushings*

TRADE SIZE	HO	NTING ILE IETER	PART NO. Black	DESCRIPTION	INSI DIAME	
	in.	mm.			in.	mm.
Single	Locking	Step for Pa	anel Thic	kness up to .062	″(1,6 m	m)
1/2	.875	22,3	2540	S 87	.52	13,2
Multip	le Lockin	g Steps fo	r Panel T	hickness up to .1	125" (3,2	mm)
1/2	.875	22,3	2552	S 875-9	.56	14,2
3/4	1.093- 1.125	27,8- 28,6	2555	S 1093-10	.63	16,0

Standard color black. Consult Heyco for other colors. *For NPT Threaded Smooth Bore Bushings, see page 2-22.







K.O. Open/Closed Bushings









K.O. Smooth Bore Bushings

Armor Bushings

Heyco® K. O. Open/Closed Bushings

K.O. Open/Closed Universal Bushings

TRADE SIZE	НО	NTING DLE IETER	PART NO. Black	DESCRIPTION	INSIDE DIAMETER		
	in.	mm.			in.	mm.	
Multip	le Lockin	g Steps fo	r Panel T	hickness up to .	125″ (3,2	mm)	
1/2	.875	22,2	2874	OCB 875	.67	17,0	
3/4	1.093- 1.125	27,8- 28,6	2879	OCB 1093	.88	20,6	
1	1.375	34,9	2882	OCB 1375	1.17	29,8	
1-1/2	2.000	50,8	2900	OCB 2.000	1.73	43,9	
Multip	le Lockin	g Steps fo	r Panel T	hickness up to .:	250″ (6,4	mm)	
2	2.500	63,5	2909	OCB 2.5	2.00	50,8	

Standard color black. Consult Heyco for other colors.

Heyco® Polyethylene* Armor Bushings

WILL FIT THESE ARMORED CABLES AWG/Conductors	PART NO. Red	DESC.	Ins	PART DIMI side neter	ENSIONS He Dian	ad
			in.	mm.	in.	mm.
14/2, 14/3, 12/2, 12/,3	2264	AB 0	.37	9,4	.68	17,3
14/4, 6/1, 4/1	2265	AB 1	.44	11,2	.70	17,8
12/4, 10/2, 10/3, 2/1	2266	AB 2	.57	14,0	.85	21,6
10/4, 8/2, 8/3, 1/1	2267	AB 3	.73	18,5	1.02	25,9

Standard color red.

OCUB & OCB Material Nylon 6/6

Recognized under the Component Program of Underwriters' Laboratories, File E15331

(F) Certified by Canadian Standards Association, File 8919

Flammability Rating 94V-2

Certifications

Temperature Range -.04°F (-18°C) to 221°F (105°C)

Armor Bushings

High Dielectric Polyethylene

(Listed under Underwriters' Laboratories, File E51579 (R) Certified by Canadian Standards Association, File 213253

94-HE

-.04°F (-18°C) to 221°F (105°C)

^{*}High dielectric polyethylene.



HEYCo-molded[™] Liquid Tight Break-Thru Plugs

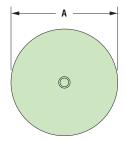
Mounting Hole Diameter Range: .500" (12,7 mm) to 1.500" (38,1 mm)

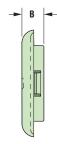
	ANEL DIM			CAE		PART		AGING	DESCRIPTION		PART DIM		
at Lo	kness cking r Steps	Mou Ho Diam		DIAMI RAN		NO. Black	BULK (Std)	SMALL PACK**			A ead neter	B Ove Hei	rall
in.	mm.	in.	mm.	in.	mm.			NEW		in.	mm.	in.	mm.
With	Five Loc	king Fin	ger Steps	s for Panels	up to .063"	(1,6 mm) Th	nick						
.020	0.5	.500	12,7	.080200	2,0 - 5,1	C2008	1000	10	LTBP 500-063	.92	23,4		
.032	0.8	.625	15,9	.130375	3,3 - 9,5	C2012	1000	10	LTBP 625-063	1.03	26,2		
.040	1.0	.750	19,1	.175400	4,4 - 10,2	C2016	1000	10	LTBP 750-063	1.15	29,2	.32	8,1
.048	1.2	.875	22,2	.130450	3,3 - 11,4	C2020	1000	10	LTBP 875-063	1.28	32,5	.02	0,1
.063	1.6	1.000	25,4	.200715	5,1 - 18,2	C2022	1000	10	LTBP 1000-063	1.43	36,3		
.000	1,0	1.093	27,8	.250765	6,4 - 19,4	C2024	1000	10	LTBP 1093-063	1.53	38,9		
With	Seven L	ocking F	inger St	eps for Pane	els from .06	3" (1,6 mm)	to .250" (6,4	1 mm) Thick					
.063	1.6	.500	12,7	.080200	2,0 - 5,1	C2058	1000	10	LTBP 500-250	.92	23,4		
.080	2.0	.625	15,9	.130375	3,3 - 9,5	C2062	1000	10	LTBP 625-250	1.03	26,2		
.094	2,4	.750	19,1	.175400	4,4 - 10,2	C2066	1000	10	LTBP 750-250	1.15	29,2	.63	15,9
	· '	.875	22,2	.130450	3,3 - 11,4	C2070	1000	10	LTBP 875-250	1.28	32,5	.00	10,0
.125	3,2	1.000	25,4	.200715	5,1 - 18,2	C2072	1000	10	LTBP 1000-250	1.43	36,3		
.157	4,0	1.093	27,8	.250765	6,4 - 19,4	C2074	1000	10	LTBP 1093-250	1.53	38,9		
.200	5,1	1.375	34,9	.300950	7,6 - 24,1	C2080	1000	10	LTBP 1375-250	1.80	45,7	.67	17.0
.250	6,4	1.500	38,1	.375 - 1.060	9,5 - 26,9	C2082	1000	10	LTBP 1500-250	1.93	49,0	.07	17,0
Chambleud				r other colore									

Standard color black. Consult Heyco for other colors.

- These co-molded nylon and elastomer parts function as Liquid Tight Plugs with an IP 67/68 rating, yet can be pierced by round wire, cable or tubing to function as **Liquid Tight Bushings** with the same resulting IP 67/68 rating.
- Certified by UL under UL 635
- For use in panels as thin as .020" (0,5 mm) and as thick as .250" (6,4 mm).
- Provide liquid tight closure when used as a plug. When pierced, function as a liquid tight bushing that convert raw edged holes to smooth, neat, insulated holes.
- Used as a liquid tight bushing. **HEYCo-molded Liquid Tight** Break-Thru Plugs insulate and mechanically protect electrical and telecommunications cable, tubing, hose, rope, and utility lines.
- Locking fingers snap into holes with fingertip pressure.
- Locking fingers in fractional increments up to the maximum panel thickness.
- Withstand a push back force of greater than 35 pounds.
- Available in multiple sizes for use in .500" (12,7 mm) to 1.500" (38,1 mm) diameter holes.







Materials Nylon 6/6 and TPE

Recognized under the Component Program of Underwriters' Laboratories

File E15331 Flammability Rating HB

Certifications

Temperature Range -40°F (-40°C) to 212°F (100°C)

IP Rating IP 67/68

^{*}Consult Heyco for other Mounting Hole Diameters. Our Axcell Rapid Response Team is ready to meet your requirements.

^{**}To order Small Packs, please add the suffix -P to Part No., e.g., C2008-P

Heyco® EPDM Snap-In Liquid Tight Bushings

Mounting Hole Diameter Range: .492" (12,5 mm) to 1.988" (50,2 mm)

MOUN	ITING	CA	BLE	PART	NO.	DESCRIPTION			PA	RT DIM	ENSION	IS	
HO DIAM			ETER NGE	Black	Gray		Hole Size	D He Diam	ad	Over Len		He Thick	ad
in.	mm.	in.	mm.					in.	mm.	in.	mm.	in.	mm.
PG	Sizes	for Panel	Thicknes	s from	.04" (1,0 mm) to .16"	(4,0 mi	n)					
.519	13,2	.1220	3,0-5,0	4014B	4014	LTB 30-50/PG7	PG7	.77	19,5	.53	13,5		
.630	16,0	.2028	5,0-7,0	4015B	4015	LTB 50-70/PG9	PG9	.81	20,5	.77	19,5	.28	7,0
.750	19,0	.2839	7,0-10,0	4016B	4016	LTB 70-100/PG11	PG11	.98	25,0	.83	21,0		
.906	23,0	.3155	8,0-14,0	4017B	4017	LTB 80-140/PG16	PG16	1.10	28,0	.89	22,5	.26	6,5
1.142	29,0	.5579	14,0-20,0	4018B	4018	LTB 140-200/PG21	PG21	1.37	34,7	1.04	26,5	.30	7,5
1.500	38,0	.79-1.02	20,0-26,0	4019B	4019	LTB 200-260/PG29	PG29	1.80	45,7	1.10	28,0	.28	7,0
1.890	48,0	1.02-1.38	26,0-35,0	4020B	4020	LTB 260-350/PG36	PG36	2.26	57,5	1.44	36,5	.30	7,7
Me	tric Siz	es for Pa	anel Thick	ness fr	om 1,	3 mm (.05") to 5	,1 mm	(.20″)					
.492	12,5	.1628	4,0-7,0	4007B	4007	LTB 30-50/M12*	M12	.79	20,0	.50	12,7		
.650	16,5	.2035	5,0-9,0	4008B	4008	LTB 50-70/M16	M16	.83	21,0	.71	18,0		
.807	20,5	.3251	8,0-13,0	4009B	4009	LTB 70-100/M20	M20	1.00	25,5	.79	19,5	.26	6,5
1.004	25,4	.4367	11,0-17,0	4010B	4010	LTB 100-140/M25	M25	1.20	30,5	.85	21,5		
1.280	32,5	.5979	15,0-20,0	4011B	4011	LTB 140-200/M32	M32	1.52	38,5	.98	24,8		
1.594	40,5	.75-1.10	19,0-28,0	4012B	4012	LTB 200-260/M40	M40	1.91	48,5	1.18	30,0	.32	0.1
1.988	50,2	1.06-1.38	27,0-35,0	4013B	4013	LTB 260-350/M50	M50	2.38	60,5	1.38	35,0	.52	8,1
*D			mm / 00″) +		/ 00M								

^{*}Panel thickness from 0,5 mm (.02") to 2,0 mm (.08").



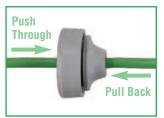
- Simple to install—snap LTB into place, cut cable end at a 45° angle, pierce thin LTB membrane then insert and pull back cable to form a liquid tight seal.
- Available in Black and Gray color.
- Provide light strain relief to the cable.
- Can be used as a liquid tight plug.
 Offers protection to IP 67.
- Ozone and weather resistant.
- For outdoor and indoor applications.
- Sizes available to fit cable diameters ranging from .12" (3,0 mm) up to 1.38" (35,0 mm).



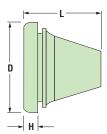
1. A sharpened dowel pin is selected-slightly smaller than the wire diameter



2. The dowel pin is inserted into the opening on the front of the LTB and pushed through the membrane



3. Wire is inserted through the LTB and then pulled back to create a seal



Material EPDM

Temperature Range -40°F (-40°C) to 200°F (93°C)

IP Rating IP 67





- Oil tight, rain tight, submersible.
- UL certified for outdoor applications.
- Install with fingertip pressure (no tool required).
- Multiple nominal sizes fit .500" (12,7 mm) to 1.000" (25,4 mm) true size mounting holes.
- Three trade sizes fit 1/2" to 1" knock-out holes.
- Lock firmly in boxes from .03" (0,8 mm) to .13" (3,2 mm) thick.
- True sizes are UL recognized under Underwriters' Laboratories File E51579 and CSA certified by Canadian Standard Association File 8919.
- Trade sizes are UL listed under Underwriters' Laboratories
 File E51579 and CSA certified by Canadian Standard Association
 File 081067C. Now certified for NEMA 4 and 4X applications.

Heyco® TPE Liquid Tight Hole Plugs

Standard 85 Durometer Plugs

Maximum Panel Thickness .125" (3,2 mm)

Mounting Hole Diameter Range: .500" (12,7 mm) to 1.375" (34,9 mm)

	NTING ILE IETER	PART NO.	DESCRIPTION	or 91	Не	A ead neter	PART DIM E Ove Hei	rall	C He Thick	ad
in.	in. mm.				in.	mm.	in.	mm.	in.	mm.
.500	12,7	3830	KOS LT 500	<i>P</i> 1	.91	23,1	.45	11,4	.29	7,4
.625	15,9	3834	KOS LT 625	<i>9</i> 1	1.03	26,2	.47	11,9	.31	7,9
.750	19,1	3831	KOS LT 750	<i>R</i> 1	1.15	29,2	.51	13,0	.35	8,9
.875	22,2	3833	KOS LT 1/2	(UL)	1.23	32,5	.50	13,5	.36	9,1
1.000	25,4	3832	KOS LT 1000	<i>9</i> 7	1.41	35,8	.56	14,2	.40	10,2
1.093	27,8	3835	KOS LT 3/4	(UL)	1.53	1.53 38,6		14,0		10,2
1.375	34,9	3837	KOS LT 1	(UL)	1.78	1.78 45,2		14,5	.42	10,7

Available in black only.

Low 75 Durometer Plugs

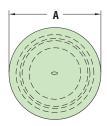
Maximum Panel Thickness .125" (3,2 mm)

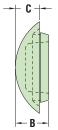
Mounting Hole Diameter Range: .875" (22,2 mm) to 1.375" (34,9 mm)

MOUN	ITING	PART	Г NO.	DESCRIPTION			ı	PART DIMI	ENSIONS '			
HO DIAME		Black	Gray		or 91	r Head Overall		Overall		erall		; ad :ness
in.	mm.					in.	mm.	in.	mm.	in.	mm.	
.875	22,2	3833FN	3833FP	KOS LT 1/2 LD	(UL)	1.23	32,5	.53	13,5	.36	9,1	
1.093	27,8	3835FN	3835FP	KOS LT 3/4 LD	(UL)	1.53	38,6	.55	14,0	.40	10,2	
1.375	34,9	3837FN	3837FP	KOS LT 1 LD	(UL)	1.80	45,2	.56	14,3	.42	10,7	

Standard colors black and gray.

^{*}Consult Heyco for other Liquid Tight Hole Plug sizes in Low Durometer material.







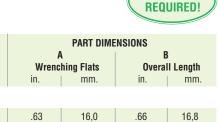
Material	85 Durometer 75 Durometer		TPE-Hardness 85 Shore A TPE-Hardness 75 Shore A
Certifications	Trade Sizes (1/2, 3/4, 1)	(F)(F)	Listed under Underwriters' Laboratories File E51579 Certified by Canadian Standard Association File 081067C
	True Sizes	W	Recognized under Underwriters' Laboratories File E51579
	(all others)	4	Certified by Canadian Standard Association File 8919
Flammability Rating			94V-0
Temperature Range			-81°F (-60°C) to 275°F (135°C)
Tomporature Hange			011 (00 0) 10 270 1 (100 0)



Heyco® Nylon Liquid Tight Threaded Plugs

Liquid Tight, with Integral Sealing Ring Hex Head with Slot

PART NO.



NO O-RING

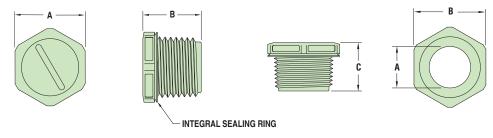
TYPE/SIZE	Black	Gray	V-0 Black		Wrenc in.	N hing Flats mm.	Overa in.	I Length mm.
NPT**								
NPT 1/4	3544B	3544	-	LTTP NPT 1/4	.63	16,0	.66	16,8
NPT 3/8	3545B	3545	-	LTTP NPT 3/8	.83	21,1	.69	17,5
NPT 1/2	3546B	3546	V3546*	LTTP NPT 1/2	.98	24,9	.81	20,6
NPT 3/4	3547B	3547	V3547*	LTTP NPT 3/4	1.29	32,8	.86	21,8
NPT 1*	3548B	3548	V3548	LTTP NPT 1	1.74	44,2	1.05	26,7
NPT 1-1/4*	3549B	3549	V3549	LTTP NPT 1-1/4	2.06	52,3	1.08	27,4

DESCRIPTION

Standard color black. Consult Heyco for other colors, and sizes in V-0 material.

THREAD

^{**}Consult Heyco for PG and Metric threaded LTTP's.



Liquid Tight Threaded Plugs

Smooth Bore Bushings

Heyco® Nylon Threaded Smooth Bore Bushings

WILL FIT THESE INTERNALLY THREADED NPT PIPE ENDS OR PORTS	PAR1 Black	Gray	DESCRIPTION	Ins	A side neter	1	ching	Ov	C erall eight
				in.	mm.	in.	mm.	in.	mm.
1/4	3621B	3621	TSB 1/4	.31	7,9	.63	16,0	.66	16,8
3/8	3622B	3622	TSB 3/8	.43	10,9	.83	21,0	.69	17,5
1/2	3623B	3623	TSB 1/2	.58	14,7	.98	24,9	.81	20,6
3/4	3624B	3624	TSB 3/4	.74	18,8	1.30	33,0	.86	21,8

Standard colors black and gray.

Material

Certifications Recognized under the Component Program of Underwriters' Laboratories, File E330194 to both Canadian and U.S. Requirements (LTTP only)

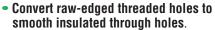
Flammability Rating 94V-2

Temperature Range -40°F (-40°C) to 221°F (105°C) IP 68 (70 PSI, 5 BAR) (LTTP only) IP Rating



- Integral sealing ring ensures a superior seal at mounting hole location, every time.
- IP 68 Rated.
- Provide a liquid-tight seal up to 70 psi.
- UL Rated for type NEMA 3R, 4 and 4X applications.
- Threaded plugs for hydraulic and pneumatic applications.
- Seal threaded openings and protect against contamination and moisture.
- Lower cost option over brass or steel plugs.
- Non-corrosive-resist salt water, weak acids, gasoline, alcohol, oil, grease, and common solvents.
- Resist oil and heat up to 221°F (105°C).
- Approximate Head Thickness: .21" (5,3 mm). Thickness may vary.
- Hex shaped head with slot for wrench or screwdriver installation.
- Electrically non-conductive Nylon 6/6.





- Used to protect threaded holes. Eliminate sharp edges so wires are protected.
- Insulate and mechanically protect electrical and communication cables. tubing, rope, and utility lines.
- · Molded from electrically nonconductive Nylon 6/6.



^{*}Not can



- Integral sealing ring ensures a superior seal at mounting hole location, every time; IP 65, 67 and 68 Rated.
- Allow the passage of air for ventilation and heat dissipation, yet prevent moisture intrusion, remain liquid tight.
- Maximum airflow: ≥16.6 LPM/3.7cm² @ 13.5 psi.
- UL Rated for Type NEMA 3R, 4, and 4X applications.
- Filter membrane prevents moisture and particulate contamination in electronic enclosures.
- Pressure compensating seal prevents buildup of pressure inside of electronic enclosures due to environmental temperature cycling.
- Quick and easy installation into Threaded (LTTVP) and Clearance (LTSV) holes.
- Membrane seal is ultrasonically welded to nylon body.
- Lower cost option over metal or steel
- Approximate Head Thickness: .21" (5,3 mm). Thickness may vary.
- Hex shaped head for wrench installation (LTTVP only).
- Electrically non-conductive Nylon 6/6.
- Quick and easy Snap-in installation into Clearance Holes.
- All sizes and types feature (9) .094" (2,4 mm) diameter vent holes.
- Snap-In plugs for panel and housing applications.
- · Lower cost option over brass or steel plugs.
- Snap into a range of panel thicknesses up to .125" (3,2 mm) with no tools (LTSV only).



HEYClean™ Liquid Tight Threaded Vent Plugs

With Integral Sealing Ring and Liquid Tight Filter

THREAD	PAR	NO.	DESCRIPTION		PART DIM		n
Type/Size	Black	Gray			A ing Flats mm.		B Length mm.
NPT							
NPT 1/4 NPT 3/8 NPT 1/2 NPT 3/4	3544VB 3545VB 3546VB 3547VB*	3544V 3545V 3546V 3547V*	LTTVP NPT 1/4 LTTVP NPT 3/8 LTTVP NPT 1/2 LTTVP NPT 3/4	.63 .83 .98 1.29	16,0 21,0 24,9 32,8	.66 .69 .81 .86	16,8 17,5 20,6 21,8
PG - For PG Th	read specifica	ations, see pag	ge 3-49				
Pg 7 Pg 9	3574VB 3575VB	3574V 3575V	LTTVP Pg 7 LTTVP Pg 9	.63 .83	16,0 21,0	.53	13,5
Pg 13.5 Pg 21	3576VB 3401VB	3576V 3401V	LTTVP Pg 13.5 LTTVP Pg 21	.98 1.29	24,9 32,8	.62 .76	15,8 19,3
Metric							
M12 M16	3582VB 3583VB	3582V 3583V	LTTVP M12 LTTVP M16	.63 .83	16,0 21,0	.53	13,5
M20	3584VB	3584V	LTTVP M20	.98	24,9	.62	15,8

Standard color Black. Consult Heyco for other colors.

^{*}IP 65 rated.



Threaded Vent Plug

Snap-In Vent Plug

HEYClean™ Liquid Tight Snap-In Vent Plugs

With Integral Sealing Flange/Washer and Liquid Tight Filter Mounting Hole Diameter Range: .500" (12.7 mm) to 1.125" (28.6 mm)

	A	PART NO.	DESCRIPTION		PART DIN	IENSIONS	,
Mou	nting Dia.*	Black			revent ation	Max. Len	
in.	mm.			in.	mm.	in.	mm.
.500	12,7	3481VB	LTSV 500	.45	11,4	.600	15,2
.875	22,2	3486VB	LTSV 875	.77	19,6	.620	15,7
1.125	28,6	3488VB	LTSV 1125	1.00	25,4	.660	16,8

Standard color black. Consult Heyco for other colors.

^{*} Consult Heyco for additional sizes.



Material Certifications

Nylon 6/6 bodies with an Acrylic Copolymer Filter

Recognized under the Component Program of Underwriters' Laboratories,

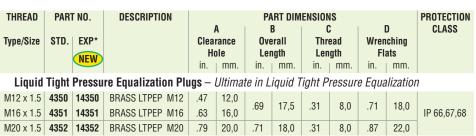
File E330194 to both Canadian and U.S. Requirements

Flammability Rating Temperature Range -40°F (-40°C) to 221°F (105°C)

IP Rating IP 65/67/68



For Pressure Equalization and Drainage Applications



Liquid Resistant Pressure Equalization Plugs – Maximize Airflow for Extreme Pressure and Moisture Fluctuations

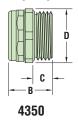
M12 x 1.5	4354	_	BRASS LRPEP M12	.47	12,0	00	47.5	0.4	0.0	74	40.0	
M16 x 1.5	4355	_	BRASS LRPEP M16	.63	16,0	.69	17,5	.31	8,0	./1	18,0	IP 55, x9K
M20 x 1.5	4356	-	BRASS LRPEP M20	.79	20,0	.71	18,0	.31	8,0	.87	22,0	

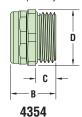
Threaded Drain Plug – For Applications Where Condensation Is Expected **

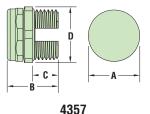
		•						,				
M12 x 1.5	4357	-	BRASS TDP M12	.47	12,0	77	10.5	00	10.0	74	400	
M16 x 1.5	4358	-	BRASS TDP M16	.63	16,0	.//	19,5	.39	10,0	./ 1	18,0	IP 4x
M20 x 1.5	4359	-	BRASS TDP M20	.79	20,0	.79	20,0	.39	10,0	.87	22,0	

Stainless Steel available. Consult Heyco.

^{**}Heyco Drainage Plug Brass Locknuts sold separately





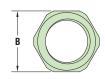


HEYClean® Drain Plug Brass Locknuts

For Use with HEYClean™ Threaded Drain Plugs

THREAD	PART NO.	DESCRIPTION		PART DIM	ENSIONS	
Type/Size			_	A cness	Wrenchi	3 ing Flats
			in.	mm.	in.	mm.
M12 x 1.5	4360	BRASS DPLN M12	.18	4,5	.59	15,0
M16 x 1.5	4361	BRASS DPLN M16	.22	5,5	.75	19,0
M20 x 1.5	4362	BRASS DPLN M20	.22	5,5	.94	24,0







Material Temperature Range **IP Rating**

Nickel-Plated Brass -40°F (-40°C) to 230°F (110°C) Membrane - IP66/IP68/IP69 Filter Disc - IP55/ IPX9K

Drainage Element - IP4X

Pressure Equalization Plugs

- Allow the passage of air for ventilation and heat dissipation, yet prevent moisture intrusion.
- Filter membrane prevents moisture and particulate contamination in electronic enclosures.
- Pressure compensating seal prevents buildup of pressure inside of electronic enclosures due to environmental temperature cycling.
- Quick and easy installation into Clearance or Threaded Holes.
- Nickel-plated finish over brass provides excellent corrosion resistance and durability.
- Head Thickness: .37" (9,5 mm) to .39" (10 mm).
- Hex shaped body for wrench installation.
- Filter element: Liquid Tight Membrane: Polyethersulfone (PES) Sintered Disc: Bronze
- DFARS Compliant

Drain Plugs

- Drainage Plugs are ideal for applications where condensation is expected.
- Stainless steel mesh allows water to drain quickly, but protects enclosure from bugs and dust.
- Drainage Plugs feature a "cutout" section to allow water to completely drain from enclosure, and should be installed at enclosure's lowest point.
- Head Thickness: .37" (9.5 mm) to .39" (10 mm).
- Hex shaped body for wrench installation.
- DFARS Compliant

Drain Plug Locknuts

- Quick and easy installation into Clearance Holés only.
- Locknuts feature special "cutout" to allow water to completely drain from enclosure, when used with HEYClean™ Threaded Drain Plugs.
- DFARS Compliant

^{*}Certified in accordance with IECEx and ATEX

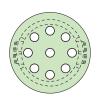
Heyco[®] Snap-in Nylon Vent and Louvered Plugs for American Electrical Knock Out Holes



Heyco® K. O. Vent Plugs

	TRADE SIZE			PART NO. Black	DESCRIPTION	PAR No. of Vent Holes	T DIMENS Hea Diam in.	ad
	Multip	le Lockin	g Steps 1	or Box	Thickness up	to .125	"(3,2 m	m)
	1/2	.875	22,2	2697	VP 875	9	1.02	25,8
	3/4	1.093- 1.125	27,8- 28,6	2726	VP 1093	9	1.22	30,9
Ī	1	1.375	34,9	2756	VP 1375	11	1.50	38,1
	1-1/4	1.750	44,5	2776	VP 1750	13	1.91	48,4
ĺ	1-1/2	2.000	50,8	2786	VP 2000	19	2.14	54,4
	Multip	le Lockin	ig Steps 1	or Box	Thickness up	to .250	"(6,4 m	m)
	1/2	.875	22,2	3152	VPT 875	9	1.02	25,8
	3/4	1.093- 1.125	27,8- 28,6	3032	VPT 1093	9	1.22	30,9
ĺ	1	1.375	34,9	3036	VPT 1375	11	1.50	38,1
	1-1/4	1.750	44,5	3038	VPT 1750	13	1.91	48,4
Ī	1-1/2	2.000	50,8	3158	VPT 2000	19	2.14	54,4
	2	2.500	63,5	2793	VP 2.5	19	2.72	69,0

Standard color black. Consult Heyco for other colors.





Vent Plugs

Heyco® K. O. Louvered Plugs

TRADE SIZE	MOUNTING HOLE DIAMETER in. mm.		PART NO. Black	DESCRIPTION	HEA DIAME in.	_
Multip	le Lockin	g Steps fo	r Box Thi	ckness up to .12	5″ (3,2 n	ım)
1/2	.875	22,2	2557	LP 875	1.02	25,8
3/4	1.093- 1.125	27,8- 28,6	2561	LP 1093	1.22	30,9
1	1.375	34,9	2567	LP 1375	1.50	38,1
1-1/4	1.750	44,5	*	LP 1750	-	-
1-1/2	2.000	50,8	2594	LP 2000	2.17	55,1
Multip	le Lockin	g Steps fo	r Box Thi	ckness up to .25	0" (6,4 n	ım)
2	2.500	63,5	2596	LP 2.5	2.72	69,0

Standard color black. *Consult Heyco for 1-1/4 KO part.

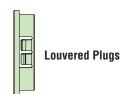


Polyurethane foam filters particle sizes 30 microns and larger

TRADE SIZE	MOUNTING HOLE DIAMETER in. mm.		HOLE DIAMETER		HOLE DIAMETER		PART NO. Black	DESCRIPTION	PAR No. of Vent Holes	T DIMENS Hea Diam in.	ad
Multip			or Box	Thickness up							
1/2	.875	22,2	4919	FIVP 875	9	1.02	25,8				
3/4	1.093- 1.125	27,8- 28,6	4923	FIVP 1093	9	1.22	30,9				
1	1.375	34,9	4931	FIVP 1375	11	1.50	38,1				
1-1/4	1.750	44,5	*	FIVP 1750	13	1.91	48,4				
1-1/2	2.000	50,8	4937	FIVP 2000	19	2.14	54,4				
Multip	le Lockir	ig Steps 1	or Box	Thickness up	to .250	"(6,4 m	m)				
1/2	.875	22,2	4973	FIVPT 875	9	1.02	25,8				
3/4	1.093- 1.125	27,8- 28,6	4977	FIVPT 1093	9	1.22	30,9				
1	1.375	34,9	4983	FIVPT 1375	11	1.50	38,1				
1-1/4	1.750	44,5	*	FIVPT 1750	13	1.91	48,4				
1-12	2.000	50,8	4989	FIVPT 2000	19	2.14	54,4				
2	2.500	63,5	4939	FIVP 2.5	19	2.72	69,0				

Standard color black. *Consult Heyco for 1-1/4 KO part.





$\textbf{HEYClean}^{\text{\tiny{M}}} \ \textbf{K. O. Filter Insert Louvered Plugs}$

Polyurethane foam filters particle sizes 30 microns and larger

TRADE SIZE	MOUNTING HOLE DIAMETER		PART NO. Black	DESCRIPTION	HEA DIAME	_			
	in.	mm.			in.	mm.			
Multip	ple Locking Steps for		Locking Steps for Box Thi		ickness up to .125" (3,2 m				
1/2	.875	22,2	4947	FILP 875	1.02	25,8			
3/4	1.093- 1.125	27,8- 28,6	4951	FILP 1093	1.22	30,9			
1	1.375	34,9	4957	FILP 1375	1.50	38,1			
1-1/4	1.750	44,5	*	FILP 1750	-	-			
1-1/2	2.000 50,8		4963	FILP 2000	2.17 55,1				
Multip	le Lockin	g Steps fo	r Box Thi	ckness up to .25	0″ (6,4 n	ım)			
2	2.500	63.5	4965	FILP 2.5	2.72	69.0			

Standard color black. *Consult Heyco for 1-1/4 KO part.



Material Certifications (VP only)

Flammability Rating Temperature Range Nylon 6/6

Recognized under the Component Program of Underwriters' Laboratories, File E51579

Gertified by Canadian Standards Association, File 8919 94V-2

-40°F (-40°C) to 221°F (105°C)



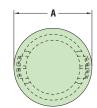
Heyco® Nylon Knock Out Seals and Thick Panel Knock Out Seals

Consult Heyco for our Complete Line of Dome Plugs

Mounting Hole Diameter Range: 1/2" to 2" Electrical Knock-outs (.875" to 2.500" nominal)

HO	NTING DLE IETER mm.	TRADE SIZE	PART NO. Silver Gray	DESCRIPTION	-	PART DIN A iameter mm.	IENSIONS E Overall in.	
Multiple Lo	cking Steps fo	r Panel Thic	kness up to .	125" (3,2 mm)				
.875	22,2	1/2	3997	KOS 1/2	1.02	25,8		
1.093	27,8	3/4	3998	KOS 3/4	1.22	31,0	.45	11,5
1.375	34,9	1	3999	K0S 1	1.50	38,1		
1.750	44,5	1-1/4 4000		KOS 1-1/4	1.91	48,4	.47	12,0
2.000	50,8	1-1/2	4001	KOS 1-1/2	2.16	54,9	.45	11,5
Multiple Lo	cking Steps fo	r Panel Thic	kness up to .	250" (6,4 mm)				
.875	22,2	1/2	3991	KOST 1/2	1.02	25,8		
1.093	27,8	3/4	3992	KOST 3/4	1.22	31,0	.56	14,3
1.375	34,9	1	3993	KOST 1	1.50	38,1	.50	14,5
1.750	44,5	1-1/4	3994	KOST 1-1/4	1.91	48,4		
2.000	50,8	1-1/2	3995	KOST 1-1/2	2.16	54,9	.58	14,7
2.500	63,5	2	4002	KOS 2	2.73	69,3	.75	19,1

Standard color silver gray.





Plug electrical knock-outs.

- Molded in silver grav color to resemble galvanized steel.
- Install quickly with fingertip pressure (no tool required).
- Economical.
- Multiple trade sizes fit 1/2" to 2" knock-out holes.
- Lock firmly in boxes up to 1/8" thick, except for Part Number 4002 (KOS 2) and Thick Panel Knock-Out Seals (KOST's) which lock firmly in boxes up to 1/4" thick.
- Locking fingers in fractional increments up to the maximum panel thickness.
- Approximate Head Thickness: .06" (1,6 mm). Thickness may vary.
- To adapt a Knock-Out to accept a Heyco Strain Relief, see page 4-37 for Knock-Out Adapters in Heyco Catalog 117.

Heyco® Nylon V-0 Knock Out Seals

Multiple Locking Steps for Panel Thickness up to .13" (3,2 mm) Mounting Hole Diameter Range: 1/2" to 1-1/2" Electrical Knock-outs (.875" to 2.000" nominal)

MOUN HO DIAM	LE	TRADE SIZE	PART NO. Black	DESCRIPTION	A Head Diamete		ENSIONS E Overall	
in.	mm.				in.	mm.	in.	mm.
.875	22,2	1/2	2706	HFP 875	1.02	25,8		
1.093	27,8	3/4	2729	HFP 1093	1.22	31,0		
1.375	34,9	1	2759	HFP 1375	1.50	38,1	.45	11,5
1.750	44,5	1-1/4	2779	HFP 1750	1.91	48,4		
2.000	50,8	1-1/2	2789	HFP 2000	2.16	54,9		

Standard color black.

Material

Nylon 6/6

Certifications

Recognized under the Component Program of Underwriters' Laboratories,

Flammability Rating

Temperature Range

File E51579 Certified by Canadian Standards Association, File 8919 KOS: 94V-2, HFP 94V-0 -40°F (-40°C) to 221°F (105°C)



 Molded from a nylon material which, in the event of a fire, will not burn and will not produce toxic gases. Also formulated for sunlight resistance.







HEYClip[™] Tension Wire Clips - Nylon

Adhesive-Back Mount

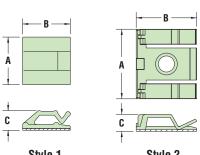
W	IRE CAF	PACITY		PART NO.	DESCRIPTION	RELEASE TAB?	,			MENSIOI B	NS (STYLE
						IAD?							
	ngth	Wid		Natural *			Len	•		idth	Hei	•	
in.	mm.	in.	mm.				in.	mm.	in.	mm.	in.	mm.	
.13	3,2	.25	6,4	3638	WC A-4	no	.63	15,9	.63	15,9	.25	6,4	1
.13	3,2	.50	12,7	3639	WC A-5 **	no	1.15	29,2	1.00	25,4	.28	7,1	2
.12	3,0	.62	15,8	3649	TCN3-801 **	yes	1.00	25,4	1.00	25,4	.29	7,4	3
Bund	le Dia	1.9 in,	4,8 mm	3628	WC A-42	no	.63	16,0	.63	16,0	.29	7,4	9
.25	6,4	.88	22,4	12950	TCN4-804 Gray	yes	.59	15,0	1.02	25,8	.41	10,3	4
.20	0,4	.00	22,7	12951	TCN4-805	yes	.00	10,0	1.02	20,0		10,0	
.24	6,0	.19	4,7	12953	TCN5-2419	yes	.63	16,0	.45	11,4	.32	8,1	
.31	8,0	.19	4,7	12954	TCN5-3119	yes	.63	16,0	.53	13,4	.32	8,1	
.32	8,2	.20	5,2	12955	TCN5-3220	yes	.63	16,0	.15	14,4	.34	8,7	5
.35	9,0	.19	4,8	12956	TCN5-3519	yes	.63	16,0	.57	14,4	.33	8,3	3
.35	9,0	.20	5,2	12957	TCN5-3520	yes	.55	14,0	.51	13,0	.34	8,7	
.40	10,2	.26	6,7	12959	TCN5-4026	yes	.63	16,0	.67	16,9	.40	10,2	
.17	4,3	.10	2,5	12961	TCN6-1710	yes	.39	10,0	.37	9,5	.23	5,9	
.25	6,3	.10	2,5	12962	TCN6-2510	yes	.47	12,0	.37	9,5	.25	6,3	
.33	8,4	.10	2,5	12963	TCN6-3310	yes	.49	12,5	.37	9,5	.24	6,0	6
.32	8,2	.10	2,5	12964	TCN6-3210	yes	.50	12,7	.50	12,7	.25	6,3	0
.41	10,3	.10	2,5	12965	TCN6-4110	yes	.57	14,5	.37	9,5	.25	6,4	
.46	11,6	.12	3,1	12966	TCN6-4612	yes	.66	16,7	.51	13,0	.26	6,6	
.31	7,9	.24	6,0	12968	TCN7-3124	yes	.59	14,9	.75	19,0	.37	9,5	
.35	9,0	.24	6,0	12969	TCN7-3524	yes	.63	16,0	.75	19,0	.37	9,5	7
.46	11,8	.31	7,9	12971	TCN7-4631	yes	.75	19,0	.75	19,0	.46	11,8	/
.54	13,7	.33	8,3	12972	TCN7-5433	yes	.82	20,9	.75	19,0	.48	12,1	
Bund	le Dia	1.9 in,	4,8 mm	3629	WC A-43	no	.63	15,9	.63	15,9	.31	7,9	
.22	5,5	.24	6,1	3636	WC A-44	no	.63	15,9	.63	15,9	.38	9,5	
.35	8,9	.36	9,1	3637	WC A-46	yes	.75	19,1	.75	19,1	.50	12,7	8
.46	11,7	.31	7,9	12974	TCN8-4631	yes	1.00	25,4	.61	15,6	.48	12,2	

- * Standard color natural except Part No. 12950 color is Gray.
- ** Part Nos. 3639 and 3649 may also be #8 (M4) screw mounted.

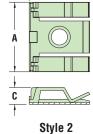
7,9 **12975** TCN8-4631-1

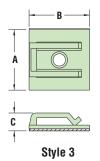
- Gather and direct cables singly
- or in groups smaller than those accommodated by other Heyco Wire Holders.
- Part No. 3639 (WCA-5) may also be screw mounted. #8 screws not included.
- Apply to a clean, dry surface.

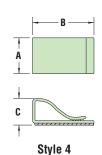


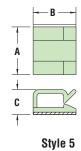


Style 1

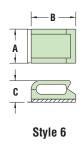


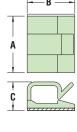




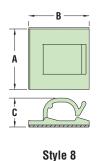


.46 11,8 .31





yes | 1.00 | 25,4 | 1.00 | 25,4 | .48 | 12,1



Style 7

Material Nylon 6/6 Flammability Rating 94V-2

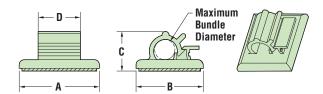
Temperature Range -40° F (-40° C) to 185° F (85° C) Adhesive-Back: 1/16" (1,6 mm) Temperature Range 32° F (0° C) to 185° F (85° C)

HEYClip™ Locking Releasable Wire Clips -

Adhesive-Back Mount

BUN	IMUM IDLE IETER	RATED Static Load		PART NO Adhesive rd		DESCRIPTION	FOOTPRINT A x B				AxB		OVEI HEI		CLA WID	TH
in.	mm.	lb.	Gray	Black	Black		in. mm.		in.	mm.	in.	mm.				
WC	A Serie	S														
.19	4,7	1/2	3857	3917	-	WCA 187-500	.74 x .62	18,8 x 15,7	.34	8,6	.39	9,9				
.25	6,4	3/4	3858	3918	3918A	WCA 250-750	1.00 x .87	25,4 x 22,1	.42	10,7	.63	16,0				
.38	9,5	1	3859	3919	3919A	WCA 375-1000	1.00 x 1.00	25,4 x 25,4	.50	12,7	.00	10,0				
.50	12,7	1-1/4	3860	3920	3920A	WCA 500-1250	1.00 x 1.21	25,4 x 30,7	.68	17,3	C 4	100				
.75	19,1	1-3/4	3861	3921	-	WCA 750-1750	1.15 x 1.45	29,2 x 36,8	.99	25,1	.64	16,3				
1.00	25,4	4	3867	3923	-	WCA1000-4000	1.98 x 2.24	50,3 x 56,9	1.37	34,8	1.26	32,0				
1.50	38,1	6	3868	3930	-	WCA 1500-6000	2.42 x 2.95	61,5 x 74,9	1.77	45,0	1.31	33,3				

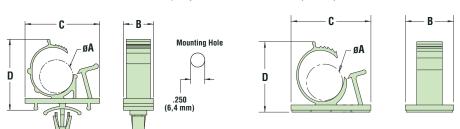
Standard color gray or black. Super duty adhesive backing available as shown.



HEYClip[™] **Locking Releasable Wire Clips -** Adjustable

	IAXIMUM DIAMETER			PART NO.	DESCRIPTION	OVEF HEI		FOOTPRINT			
	Α			Natural		ı) *	В	x C		
Mimi	imum	Maxin	num								
in.	mm.	in.	mm.			in.	mm.	in.	mm.		
WC	LP Serie	s - Arro	whead	Mount							
.47	11,9	.55	14,0	4335	WCLP 562	1.17	29,8	.50 x 1.24	12,7 x 31,5		
.58	14,7	.75	19,1	4336	WCLP 750	1.36	34,5	.50 x 1.48	12,7 x 37,6		
WCI	LA Series - Adhesive N		esive Mo	ount**							
.22	5,5	.26	6,5	4323	WCLA 258	.74	18,8	.65 x .85	16,5 x 21,6		
.31	7,9	.41	10,3	4324	WCLA 406	.90	22,8	.75 x 1.00	19,1 x 25,4		
.47	11,9	.56	14,3	4325	WCLA 562	1.12	28,5	.75 x 1.24	19,1 x 31,5		
.58	14,7	.75	19,1	4326	WCLA 750	1.32	33,6	.75 x 1.50	19,1 x 38,1		
.87	22,2	1.00	25,4	4327	WCLA 1000	1.78	45,3	1.00 x 1.97	25,4 x 50,1		
.58 WCI .22 .31 .47 .58	14,7 A Serie 5,5 7,9 11,9 14,7	.75 s - Adhe .26 .41 .56 .75	19,1 esive Mo 6,5 10,3 14,3 19,1	4336 ount** 4323 4324 4325 4326	WCLP 750 WCLA 258 WCLA 406 WCLA 562 WCLA 750	1.36 .74 .90 1.12 1.32	34,5 18,8 22,8 28,5 33,6	.50 x 1.48 .65 x .85 .75 x 1.00 .75 x 1.24 .75 x 1.50	12,7 x 37,6 16,5 x 21,6 19,1 x 25,4 19,1 x 31,5 19,1 x 38,		

Standard color natural. *At maximum wire capacity. **Adhesive-Back is 1/16" (1,6 mm) thick.



WCLP Series WCLA Series

Material Nylon 6/6 Flammability Rating 94V-2

Temperature Range -20°F (-29°C) to 150°F (66°C) (Adhesive-Back)

-40°F (-40°C) to 185°F (85°C) (Adjustable)



- Adhesive backing on part has a tab for easy removal.
- Releasable and reusable clips for easy wire bundle routing.
- Quick and easy installation—simply peel off backing and press into place.
- Multiple sizes for bundles from .19" (4,7 mm) to 1.50" (38,1 mm) in diameter.
- Static Loads pertain to parts fastened to a flat, clean, and dry surface.
- Three sizes in Super Adhesive Black.



WCLP Series:

- Gather and route wires.
- Adjust to diameter needed to bundle.
- Push mount design allows for fast installation.

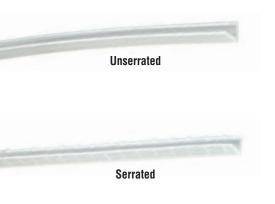
WCLA Series:

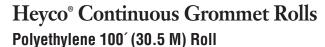
- · Lock securely and easily. Re-open for routing changes.
- Ratcheting clip holds bundle securely in place.
- Good for high vibration applications. Once closed the clip will not open until tab is released.





- Grommet Strips protect against damage from sharp panel edges.
- Ideal for tight radii or irregular panel holes and cut-outs.

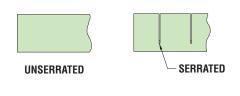






TU	FIT P	ANEL	ICE	PART	NO.	DESCRIPTION	A		PART DIME		(,
Mini			mum	Natural	Black		Overall	-	_	hickness		, ı Width
in.	mm.	in.	mm.				in.	mm.	in.	mm.	in.	mm.
Uns	serrat	ed										
.037	0,9	.071	1,8	12391	12391B	PGS-071-100′	.172	4.4	.031	0.0	.109	0.0
.072	1,8	.105	2,7	12392	12392B	PGS-105-100 ′	.172	4,4	.031	0,8	.109	2,8
.106	2,7	.164	4,2	12393	12393B	PGS-164-100´	.188	4,8	.047	1,2	.156	4,0
Uns	serrat	ed, w	ith Ad	lhesive								
.037	0.9	.071	1.8	12395	12395B	PGSG-071-1-100′	.160	4,1	.025	0,6	.060	1,5
.037	0,9	.07 1	1,0	12396	12396B	PGSG-071-2-100′	.172	4,4	.031	0,8	.109	2,8
.072	1,8	.105	2,7	12397	12397B	PGSG-105-100 ′	.172	4,4	.031	0,8	.109	2,8
.106	2,7	.164	4,2	12398	12398B	PGSG-164-100 ′	.188	4,8	.047	1,2	.156	4,0
Ser	rated											
.026	0,7	.036	0,9	12399	12399B	SPGS-036-100 ′	.125	3,2	.031	0,8	.031	0,8
.037	0,9	.071	1,8	12400	12400B	SPGS-071-100 ′	.172	4,4	.031	0.8	.109	2,8
.072	1,8	.105	2,7	12401	12401B	SPGS-105-100′	.172	7,7	.001	0,0	.103	2,0
.106	2,7	.164	4,2	12402	12402B	SPGS-164-100 ′	.188	4,8	.047	1,2	.156	4,0
Ser	rated	, with	Adhe	sive								
.037	0.9	.071	1,8	12405	12405B	SPGSG-071-1-100′	.160	4,1	.025	0,6	.060	1,5
.007	0,3	.07 1	1,0	12406	12406B	SPGSG-071-2-100′	.172	4,4	.031	0,8	.109	2,8
.072	1,8	.105	2,7	12407	12407B	SPGSG-105-1-100 ′	.172	4,4	.031	0,8	.109	2,8

Nylon 100' (30.5 M) Roll



NO ADHESIVE	_ ADHESIVE
A C B	A C B

TH	FIT P	ANEL SS RAN	IGE	PART NO.		DESCRIPTION	A		PART DIME		C	
Mini	mum		mum	Natural	Black			Height		hickness		n Width
in.	mm.	in.	mm.				in.	mm.	in.	mm.	in.	mm.
Uns	serrat	ed										
.026	0,7	.036	0,9	12411	12411B	NGS-036-100´	.13	3,2	.03	0,8	.03	0,8
.037	0,9	.071	1,8	12412	12412B	NGS-071-100´	.17	4,4	.03	0,8	.11	2,8
Uns	serrat	ed, w	ith Ad	lhesive								
.037	0,9	.071	1,8	12416	12416B	NGSG-071-100´	47	4.4	00	0.0	4.4	0.0
.072	1,8	.105	2,7	12417	12417B	NGSG-105-100´	.17	4,4	.03	0,8	.11	2,8
.106	2,7	.164	4,2	12418	12418B	NGSG-164-100´	.19	4,8	.05	1,2	.16	4,0
Ser	rated											
.026	0,7	.036	0,9	12419	12419B	SNGS-036-100 '	.13	3,2	.03	0,8	.01	0,8
.037	0,9	.071	1,8	12420	12420B	SNGS-071-100 '	47	4.4	00	0.0	44	0.0
.072	1,8	.105	2,7	12421	12421B	SNGS-105-100 '	.17	4,4	.03	0,8	.11	2,8
.106	2,7	.164	4,2	12422	12422B	SNGS-164-100 '	.19	4,8	.05	1,2	.16	4,0
Ser	rated	, with	Adhe	sive								
.037	0,9	.071	1,8	12426	12426B	SNGSG-071-100 '	47	4.4	00	0.0	44	0.0
.072	1,8	.105	2,7	12427	12427B	SNGSG-105-100′	.17	4,4	.03	0,8	.11	2,8

Standard color natural. Black available by special order only.



Material Polyethylene or Nylon

Flammability Rating 94

Temperature Range -40°F (-40°C) to 149°F (65°C) (Polyethylene) -40°F (-40°C) to 185°F (85°C) (Nylon)

Heyco® Grommet Channel

TPE "DS" Channel - Unserrated, MDS* Filled

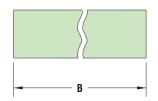






^{*}Cyanoacrylate adhesive, also known as "super glue", features rapid setup time.

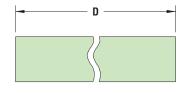


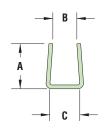


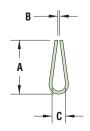
Polystyrene Channel - 4' (122 cm) Lengths

	PANEL KNESS	PART NO. White	DESCRIPTION	Overal	A I Height		P B Width	PART DIMENSIONS C Bottom Width Lengt				STYLE
in.	mm.			in.	mm.	in.	mm.	in.	mm.	in.	cm.	
.050	1,3	12443	PCH-015X050-48"	.44	11,1	.02	0,4	.05	1,3			1
.141	3,6	12444	PCH-020X141-48"	.56	14,3	.02	0,5	.14	3,6	48	122	2
.250	6,4	12445	PCH-200X250-48"	.38	9,5	.20	5,1	.25	6,4			1

Standard color white.



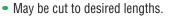






- This flexible Grommet Channel is ideal for protecting panel edges from being damaged.
- · For use as wear strips, non-abrasive edging, noise-reducing conveyor strips, framing, or to protect from sharp edges.
- Good durability; MDS glue filling adheres to rubber, most plastics, wood and metal.
- Features built-in lubricant for reduced friction and longer part life.





 Available by special order only, consult Heyco.

Material PA66/6 MDS Filled Nylon or High Impact Polystyrene Flammability Rating 94HB

Temperature Range

-40°F (-40°C) to 149°F (65°C) (DS Series) -4°F (-20°C) to 122°F (50°C) (PCH Series)







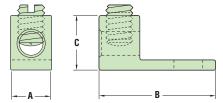
- Compact design—lightweight yet strong.
- Electro-tin plated for low contact resistance and corrosion protection when used with copper conductors.
- Require no special installation tools.
- UL and CSA certified for use with copper and aluminum conductors.
- Ports are marked with catalog description and conductor range.
- DFARS Compliant

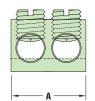


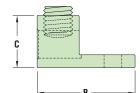
- 100% conductivity for highest efficiency.
- Completely reuseable.
- Requires no special installation tools.
- UL listed and CSA certified for use with copper conductors.
- Marked with catalog description and conductor range.
- DFARS Compliant

Heyco® Aluminum Solderless Connectors

WIRE RANGE (AWG)	PART NO.	DESCRIPTION	A Width		Len		ENSIONS C Hei	;	Bolt Size	
			in.	mm.	in.	mm.	in.	mm.	in.	mm.
Singl	e Conduct	or								
4-14	1863	A35	.50	12,7	1.06	26,9	.50	12,7		
2-14	1864	A90	.50	12,7	1.16	29,5	.56	14,2	1/4	6,4
1/0-14	1884	A125	.63	15,9	1.47	37,3	.78	19,8		
Two (Conductors	S								
2-14	1864-2	A90-2	.91	23,0	1.16	29,5	.56	14,2	1//	6.4
1/0-14	1884-2	A125-2	1.12	28,4	1.47	37,3	.78	19,8	1/4	6,4



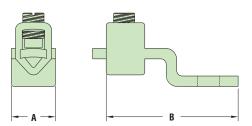




Heyco® Copper Lug Connector

Copper Single Hole Offset Lugs

WIRE	PART	DESCRIPTION	CURRENT	HEIGH	HEIGHT WITH				PART DIMENSIONS			
RANGE (AWG)	NO.		RATING AMPS	MAX.	WIRE	A Tang Width		Len	gth	Bolt	Size	
				in.	mm.	in.	mm.	in.	mm.	in.	mm.	
6-14	1851	CB 35	50	3/4	19,1	3/8	9,5	1-3/16	30,2	3/16	4,8	





Materials Certifications

Flammability Rating

6061-T6 aluminum alloy; electrolytic copper

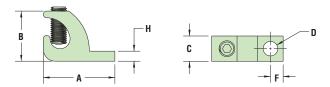
Listed under Underwriters' Laboratories File E80121

Certified by the Canadian Standards Association File 242954 & 246619 94V-0



Heyco[®] Copper and Aluminum Lay-In Connectors

Wire Range AWG	PART NO.	DESCRIPTION	CONSTRUCTION	A P	ART [B	OIMEN C	ISION D	S (in. F) H
	\$6525	LC 14-4 1-Pole Cu Tinned	Tinned Copper with Stainless Steel Set Screw	1.07	.75	.38	22	.19	15
4-14	\$6526	LC 14-4 1-Pole Cu	Copper with Stainless Steel Set Screw	1.07	./3	.00	.22	.19	.10
	S6527	LC 14-4 1-Pole Al	Aluminum with Steel Set Screw						



LCC and LCA Series

Material

Tinned copper or copper with stainless steel set screw; or High Strength, High Conductive Aluminum Alloy 6061T6 with steel set screw

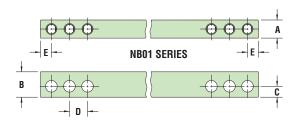
Certifications

(IL) Listed under Underwriters' Laboratories File E467246

Heyco® Aluminum Neutral Bars

WIRE RANGE AWG	CIRCUITS No.	НО	UNTING DLE(S) Pos(s).	in.	PART NO.	DESCRIPTION	UL/CSA	P/ Width A	ART DIM Height B	ENSIOI C	NS (in.) Pitch D) E
	2	1	2	1.00	\$6535	NB 14-4 2-Pole						
	3	2	1 & 5	1.63	S6536	NB 14-4 3-Pole						
4-14 Cu	5	2	1 & 7	2.25	S6537	NB 14-4 5-Pole						
or	C	1	4	2.25	S6538	ND 14 4 C Dolo	CU9AL	.312	.437	.187	.312	.187
4-12 AI	6	2	1 & 8	2.56	\$6539	NB 14-4 6-Pole						
	10	2	1 & 12	3.81	S6540	NB 14-4 10-Pole						
	12	2	1 & 14	4.44	S6541	NB 14-4 12-Pole						

Other wire ranges, bar sizes, materials and configurations are available, consult Heyco





- Copper construction parts available in plated and unplated versions.
- Copper construction parts UL/CSA approved for direct burial and suitable for both indoor and out door use.
- Least expensive aluminum option suitable for indoor use only.
- Recommended wire range AWG 4 thru AWG 14.
- DFARS Compliant



- Neutral bar for ground or power; **not** for power distribution.
- Rated at 85 Amps for Copper wire and 70 Amps for Aluminum wire.
- Wire range: AWG 4-14 CU (copper wire). 4-12 Al (aluminum wire) Dual Rated, Solid & Stranded, rigid or semi rigid stranding.
- Set screws are slotted, headless, zinc plated steel and will hold the smaller wires when the appropriate torque is fully applied.
- Use #10 mounting screw.
- DFARS Compliant

Materials

High strength tempered aluminum Alloy 6061, tin plated to resist oxidation and galvanic corrosion and with conductivity of approximately 43% IACS. Zinc plated steel screws with trivalent (Cr+3) chromate conversion top layer.

Certifications

SL UL Recognized Class ZMVV2.E80121 and (SR CSA Certified File 8919)





- Highest performance rated axial diode on the market for a single diode box application.
- · Low insertion force connection of PV ribbons for quick and easy assembly with no soldering.
- Low profile single panel design to accommodate a two ribbon panel.
- Cable strain relief incorporated in box.
- Practical internal volume and venting for good thermal dissipation and low interior temperatures.
- RoHS and REACH compliant ecofriendly solderless internal connections.
- Sizeable opening for conductor ribbons.
- Ambient temperature range of -40°F (-40°C) to 221°F (105°C) (UL).

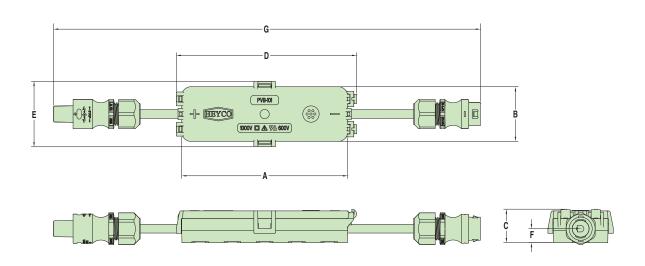
Heyco® PVB 101 Single Diode Solar Junction Box

For Single Diode, Double Ribbon Photovoltaic Panels

PART	NO.	DESCRIPTION						P/	RT DIN	MENSIO	NS						
				Α		В		C		D		E		F		ì*	
				Box Box Width in. mm. in. mm.							Max O.A. Max O.A.			Centerline		O.A. Length	
			Lei			dth Height		Length		Width		of Leads		inc. Leads			
			in.			mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.	
S611	15	5 PVB 101 5.38 136,6		136,6	1.77	45,0	1.09	27,6	5.84	148,3	2.14	54,3	.50	12,7	78.00	1981,2	

*Junction boxes supplied with positive and negative cables in 3 ft. length-contact Heyco for different lengths.







Material Certifications Flammability Rating Temperature Range IP Rating

Polycarbonate housing with UV stability

Recognized under Underwriters' Laboratories File E325860

VO, 5VA

-40°F (-40°C) to 221°F (105°C)

IP 65

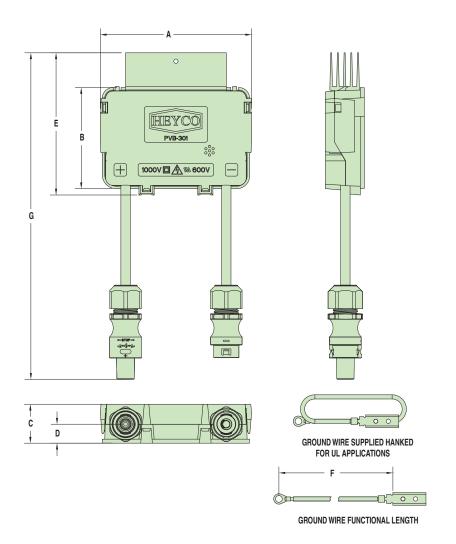


Heyco® PVB 301 Multi-Diode Solar Junction Box

For Larger, Multiple Diode, Four Ribbon Photovoltaic Panels Robust Design for Temperature Sensitive Applications

PART NO.	DESCRIPTION			P/	ART DIMENSIO	NS		
		Α	В	C	D Centerline	E	F	G*
		Box	Box			Max O.A.	Ground	O.A. Length
		Width	Length	Height	of Leads	Length	Lead Length	inc. Leads
		in. mm.	in. mm.	in. mm.	in. mm.	in. mm.	in. mm.	in. mm.
S6135	PVB 301 4.50 114,3		3.01 76,5	1.16 29,5	.57 14,4	4.24 107,7	36.0 914,4	40.0 1016,0

^{*}Junction boxes supplied with positive and negative cables in 3 ft. length-contact Heyco for different lengths.





- Robust built-in heat sink guards against heat buildup and allows the use of higher current TO-220 bypass diodes. Excellent for temperature sensitive applications.
- Low insertion force connection of PV Ribbons for quick and easy assembly with no soldering.
- Practical internal volume and venting for good thermal dissipation and low interior temperatures.
- Maximum Voltage Rating: 600VDC UL/1000VDC IEC
- RoHS and REACH compliant ecofriendly solderless internal connections.
- Sizeable opening for conductor ribbons.
- Ground wire (included) required for UL applications.
- U.S. Patent No. 8113853B2.



Material Certifications

Flammability Rating

Temperature Range

Polycarbonate housing with UV stability

Recognized under Underwriters' Laboratories File E325860

(A) Certification Number R72111836

VO. 5VA

-40°F (-40°C) to 221°F (105°C)

IP Rating IP 65



- Low profile design minimizes use of potting material while permitting ample access for electrical connections.
- · Low cost two piece construction for potted applications.
- Durably constructed of high temperature polycarbonate with 5VA and UL f1 ratings to withstand outdoor exposure with excellent cold impact capabilities.
- · Lid securely snaps on without use of tools-speeds panel fabrication.
- Designed for USE-2 and 1000V PV wire.
- Housing only-for custom connection needs, please consult Heyco.
- · For special applications, please contact Heyco.

Heyco® PVB 001 Diodeless Solar Junction Boxes

For Use in Applications Which Require a Diodeless Junction Box

PART NO.	DESCRIPTION		PAF	RT DIMENSIONS		WIRE TYPE
			A	l l	3	
		Hole D	iameter	Maximum Ca	ble Diameter	
		in.	mm.	in.	mm.	
S6194	PVB 001 Set (4,7 mm)	.19	4,7	.18	4,7	12 AWG USE-2
S6190	PVB 001 Set (5,1 mm)	.22	5,6	.20	5,1	10 AWG USE-2
\$6192	PVB 001 Set (7,6 mm)	.31	7,9	.30	7,6	10 AWG PV-Wire



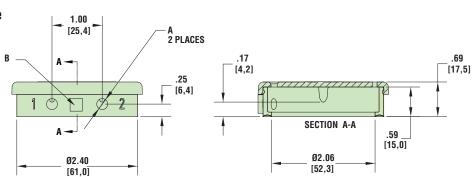
PN S6199



Optional mounting plate for use with flexible panel applications for added secureness



Junction Box attaches to plate clips on opposite side of panel





Material Polycarbonate housing with UV stability

Flammability Rating VO, 5VA

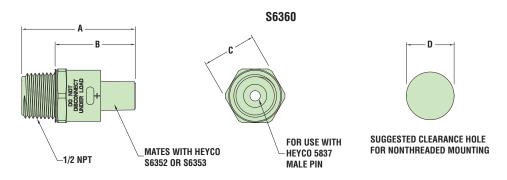
Temperature Range -40°F (-40°C) to 221°F (105°C)

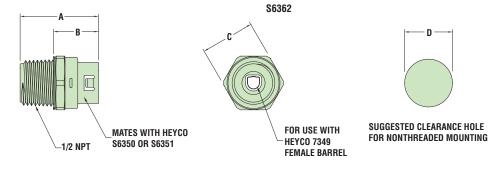
Heyco® CPV Solar Bulkhead Connectors

With Integral Sealing Ring for Creating a Liquid Tight Seal Through a Panel

PART NO.	DESCRIPTION		PART DIMENSIONS									
Black		Max O.A	A \. Length	_	B Mounted Length		C ing Flats	Clearar	D ice Hole			
		in.	mm.	in.	mm.	in.	mm.	in.	mm.			
\$6360	CPV-P-BH	2.08	52,8	1.47	37,3	.98	24.9	.875	22,2			
S6362	CPV-N-BH	1.44	36,5	.83	21,0	.30	24,3	.073	22,2			

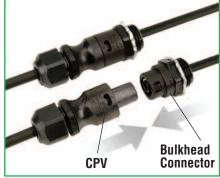








- Bulkhead connectors mate with Heyco CPV Solar Connectors creating a liquid tight seal through the panel.
- · Provided with an assembled metal locknut.
- Integral sealing ring ensures a superior seal at the mounting hole location, every time.
- Crimp to stranded wire 14 to 10 gauge for internal connections.
- 1/2" NPT thread for installation into 1/2" knock-out hole.
- Polycarbonate construction for good chemical and impact resistance.
- · Disconnection (PN S6390) and crimping tools (PN S6392 for 10 & 12 AWG wire) available, See page 2-37.
- Maximum Voltage Rating: 600VDC UL/1000VDC IEC
- RoHS and REACH compliant.
- U.S. Patent No. 8398419B2.



Material Polycarbonate Certifications

Recognized under the Component Program of Underwriters' Laboratories

File E344722. Flammability Rating

Temperature Range -40°F (-40°C) to 221°F (105°C)

IP Rating IP 65 & IP 67





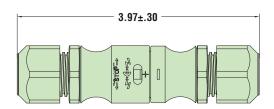
- Large cable diameter range covers a wide range of USE-2 and 1000V PV cables.
- CPV Solar Connectors mate with Heyco Bulkhead Connectors (page 2-36) creating a liquid tight seal through the panel.
- Acme threads on cap to prevent skipping and speed install.
- Connectors meet all UL cold impact requirements of -35°C test.
- Connectors meet all NEC requirements for solar installations.
- Polycarbonate construction for good chemical and impact resistance.
- Rated Current: 22A (2,5 mm²), 30A (4 mm²-6 mm²).
- Rated Voltage, 1kV DC.
- Overvoltage category III.
- Pollution degree, 3.
- Crimped terminal connections.
- Non-rewireable conductor connections.
- Reference to DIN V VDE V0126-3:2006.
- RoHS and REACH compliant.
- U.S. Patent No. 8398419B2.

Heyco® CPV Solar Connectors

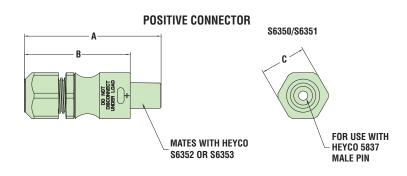
For Photovoltaic Wire Interconnections

	C	ABLE DI	A. RANGI	E	PART NO.	DESCRIPTION			PART DIMENSIONS					
								A	В		C			
	Min	Dia	Max	Dia	Black		Max O.A	. Length	Body L	ength	Wrench	ing Flats		
	in.	mm.	in.	mm.			in.	mm.	in.	mm.	in.	mm.		
	.26	6,6	.32	8,0	\$6350	CPV-P-80	2.80	71.1	2.17	55.1	.94	23,9		
	.17	4,3	.23	5,8	\$6351*	CPV-P-58	2.00	/ 1,1	2.17	33,1	.54	20,5		
ı	.26	6,6	.32	8,0	S6352	CPV-N-80	2.16	54.9	1.78	45.2	.94	23,9		
	.17	4,3	.23	5,8	\$6353*	CPV-N-58	2.10	54,5	1.70	40,2	.34	20,9		

^{*}For TUV certification, the minimum cable diameter will be .208 in (5,3 mm).

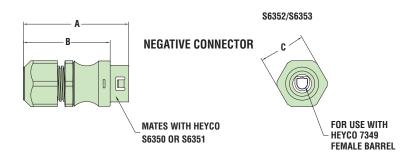


ASSEMBLED VIEW









Material Polycarbonate Certifications

Recognized under the Component Program of Underwriters' Laboratories File E344722.

Flammability Rating

Temperature Range -40°F (-40°C) to 185°F (85°C) IP Rating IP 65 & IP 67



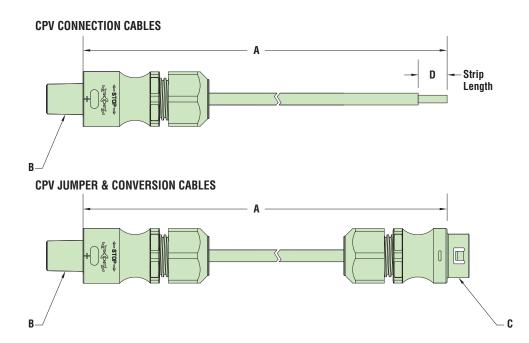


With Custom Termination Capability

ТҮРЕ	CABLE		PART NO.	TERMI	NATIONS		LENGTH *		
	Gauge AWG	Туре		В	C	D in.	A ft.		
CPV-P Connection Cable	10	USE-2	\$6310-6.0	CPV-P		1/2			
or v r connection capic		PV 1000	\$6311-6.0	01 7 1	none*		6.0		
CPV-N Connection Cable	10	USE-2	\$6314-6.0	CPV-N	110110	1/2	0.0		
or viv connection ouble	10	PV 1000	\$6315-6.0	01 7 14					
CPV-P/CPV-N Jumper Cable	10	USE-2	\$6318-6.0	CPV-P	CPV-N	n/a	6.0		
or viror vivoumper oabic	10	PV 1000	\$6319-6.0	01 V 1	OI V IV	11/α	0.0		
		USE-2	\$6322-6.0	CPV-P	MC-4-NEG				
CPV/MC4 Conversion Cable	10	00L-Z	\$6323-6.0	CPV-N	MC-4-POS	n/a	6.0		
OI V/IVIO4 CONVENSION CADIE	10	PV 1000	\$6326-6.0	CPV-P	MC-4-NEG	11/4	0.0		
		FV 1000	\$6327-6.0	CPV-N	MC-4-POS				
*Other lengths qualishing Consult House for suptem lengths, and line (Speeds Tourning), and other configurations									

^{*}Other lengths available. Consult Heyco for custom lengths, applied Ring/Spade Terminals and other configurations.

- Precut and terminated CPV assemblies.
- Constructed from UV resistant 10AWG UL/TUV approved solar cable.
- Suitable for UL and IEC solar installations.
- Heyco Connectors are UL and TUV approved.
- Connectors meet UL cold impact test of -35°C.
- Connectors meet all NEC requirements for solar installations.
- Maximum cable assembly current rating - 30 amps.
- MC4 conversion cables and additional cable lengths available upon request.



Material Certifications

Flammability Rating

Polycarbonate

Recognized under the Component Program of Underwriters' Laboratories File E344722.



Certification Number R60033714.

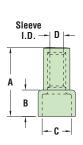
Temperature Range -40°F (-40°C) to 185°F (85°C) IP Rating

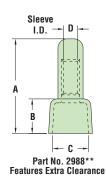
IP 65 & IP 67





- Quick, permanent and secure installation with recommended crimp tool.
- Five sizes for #10 AWG thru #22 AWG.
- UL rated at 600 volts except as noted.
- Closed-end nylon shell with plated copper internal sleeve.





Beyond Sleeve.

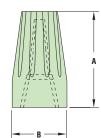


- Gray, Blue, Orange, Yellow, and Red colors for easy size and capacity identification.
- Square wire spring insert bites into and securely connects #10 AWG thru #22 AWG.
- · Fluted body for easy assembly.
- 81-G and 82-B UL rated 300 volts. 83-0 and 84-Y UL rated at 600 volts.



•											
WIRE Combinations (AWG)	PART NO.	DESCRIPTION	USE CRIMP TOOL		A		RT DIM B		C		D
				in.	mm.	in.	mm.	in.	mm.	in.	mm.
Crimp-On											
JOINS: 1#16 & 1#20 Thru 2-5#22	2986	1622N	0992 (YS-7)	.60	15,2	.23	5,9	.24	6,2	.09	2,4
JOINS: 1#14 & 1#18 Thru 2-7#22	2988**	1422DN	0992 (YS-7)	.79	20,1	.31	7,9	.32	8,1	.12	2.0
JOINS: 1#14 & 1#18 Thru 2-7#22	2990	1422N	0992 (YS-7)	.60	15,2	.23	5,9	.26	6,5	.12	3,0
JOINS:* 1#10 & 1#14 Thru 4#20	2992	1022N	0992 (YS-7)	.70	17,1	.32	8,0	.37	9,4	.16	4,0
JOINS:* 1#10&1#12 Thru 4#16	2994	1020N	n/a	.87	22,2	.40	10,2	.47	12,0	.20	5,1
Color Coded			Color								
JOINS #22 Thru #14 Min. 3#22 Max. 2#16	2937	81-G	Gray	.57	14,5	.33	8,4				
IOINS #22 Thru #1/									-		A

ooioi ooucu			00101				
JOINS #22 Thru #14 Min. 3#22 Max. 2#16	2937	81-G	Gray	.57	14,5	.33	8,4
JOINS #22 Thru #14 Min. 3#20 Max. 3#16	2940	82-B	Blue	.70	17,8	.39	9,9
JOINS #22 Thru #14 Min. 2#18 Max. 2#14	2949	83-0	Orange	.84	21,3	.45	11,4
JOINS #22 Thru #10 Min. 3#20 Max. 2#12	2952	84-Y	Yellow	.94	23,9	.54	13,7
JOINS #20 Thru #8 Min. 2#14 Max. 4#12	2955	86-R	Red	1.05	26,7	.64	16,3





Materials Certifications Crimp-On – Nylon 6/6 and brass

Color Coded - Polypropylene and steel

(I) Listed under Underwriters' Laboratories File E80121

(F) Certified by the Canadian Standards Association File 211101 (Color Coded only) Crimp-On - 94V-0 Color Coded - 94V-2

Flammability Rating Temperature Range -.4°F (-18°C) to 221°F (105°C)

2-39

^{*}Only suitable for stranded #10 AWG (6,0 mm) wire.

^{**}Extra clearance beyond sleeve.



3-1 Heyco-Flex* III Liquid Tight Tubing



3-1 Female Threaded Couplings



3-2 Heyco-Flex⁻ III Liquid Tight Fittings – Straight-Thru, NPT



3-2 Heyco-Flex" III Fitting -



Straight-Thru, Snap-In



3-2 Heyco-Flex III Liquid Tight Fittings – 90° Sweep, NPT



3-3 Nylon Corrugated Conduit/Tubing



3-4 Nylon Corrugated Conduit/Tubing Mounting Clips



3-4 Nylon Corrugated **Conduit/Tubing Unions**



3-5 Nylon Conduit Fittings -Straight-Thru, NPT, Metric



3-6 Nylon Conduit Fittings – 90° Sweep, NPT & Metric



3-7 Heyco-Flex I Liquid Tight Conduit



3-7 Heyco-Flex I Female Conduit Adapters



3-8 Heyco-Flex II Liquid Tight Flexible Nonmetallic **Electrical Tubing**



3-9 Heyco-Flex Liquid Tight Conduit Fittings – Straight-Thru, NPT



3-10 Heyco-Flex Liquid Tight Conduit Fittings – Straight-Thru, Snap-In



3-11 Heyco-Flex Liquid Tight Conduit Fittings – 90° Sweep,



3-12 Heyco-Flex Zinc Die-Cast Liquid Tight Conduit Fittings



3-13 Heyco-Flex Quick Twist Conduit Fittings – Straight-Thru, Snap-In & NPT



3-13 Heyco-Flex Quick Twist Finishing Collars



3-14 Heyco-Flex Quick Twist Conduit Fittings – 90° Sweep, Snap-In & NPT



3-14 Quick Twist Assembly Tool



3-15 Heyco-Flex VI Liquid Tight Conduit



3-16 Heyco-Flex VI Liquid Tight Conduit Fittings – Straight-Thru,



3-16 Heyco-Flex VI Liquid Tight Conduit Fittings – 90° Sweep, NPT



3-17 Metal Locknuts - NPT (NPS), PG & Metric



3-18 Nylon Locknuts – NPT (NPS), PG & Metric



3-19 Heyco-Flex Mounting **Brackets**



3-19 Sealing Washers



3-20 Foam Washers



3-20 Thermoplastic Rubber **O-Rings**



Solar Power Components LabKit - See back cover



- Corrugated tubing for trade sizes 3/8" through 1".
- Flame retardant, won't burn.
- Nontoxic and UV resistant.
- Rated for NEMA 4 and 4X applications when used with Heyco-Flex III Liquid Tight Fittings.
- Rated for NEMA Type 3R applications.
- Maximum flexibility, can be used in extremely tight quarters. Bend radius of Heyco-Flex III is equal to its outside diameter.
- No threading of the tubing required to install. This eliminates the possibility of cutting the tubing and creating leak paths.
- Easy, permanent assembly between the tubing and fittings: push the tubing over the fitting ferrule until the tubing clicks into place.
- · Lightweight and lower installed cost.
- Quick and easy installation.
- For use with Heyco-Flex III Fittings, See page 3-2.
- Resists corrosion, oil, and water.
- For use in both wet and dry applications.
- Suitable for use in high vibration or flexing applications (automotive equipment, fiber optics, computer and peripherals, lab equipment, robotics, etc.).
- Voltage Rating: 300V.
- Mounting brackets are available, see page 3-19.
- Order Part No. 8340, HF-28 Cutting Tool, for cutting Heyco-Flex Tubing cleanly and evenly. See page 3-8.
- For additional nylon conduit sizes, see page 3-3.



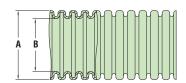
Heyco-Flex™ III Nylon 94V-0 Corrugated Liquid Tight Tubing

Flexible, Nonmetallic Liquid Tight Electrical Tubing

TRADE Size	PART NO. Black	DESCRIPTION		PART DIM A Outside Diameter		B ide neter	STANDARD Coil Length*
			in.	mm.	in.	mm.	ft/coil
3/8	8478	HF3 3/8 FR	.71	18,0	.51	13,1	
1/2	8479	HF3 1/2 FR	.85	21,6	.65	16,5	100
3/4	8480	HF3 3/4 FR	1.12	28,3	.87	22,0	100
1	8481	HF3 1 FR	1.35	34,3	1.10	28,0	

Standard color black. Consult Heyco for gray and other colors. *Consult Heyco for "cut to length" and slit tubing availability.





Material Certifications Flammability Rating Temperature Range Halogen Free Nylon 6

c Nus Certified to both Canadian and U.S. Requirements under File E121095 94V-0

-.4°F (-18°C) to 221°F (105°C)



Heyco® Female Threaded Couplings

For Heyco HF3C and other NPT Hub Components

 Both ends feature female NPT threads for joining various male NPT hub parts.

•	Facilitate the connection between
	Heyco-Flex III Fittings (HF3C – page
	3-2), Conduit (HF3 – above), and the
	various Heyco Liquid Tight Cordgrips
	(Section 3 in Heyco Catalog 117)
	typically used in solar installations.

TRADE SIZE	PART NO. Gray	DESCRIPTION
1/2	8665	FTC 1/2
3/4	8666	FTC 3/4
1	8667	FTC 1
1-1/4	8668	FTC 1-1/4
1-1/2	8669	FTC 1-1/2
2	8670	FTC 2

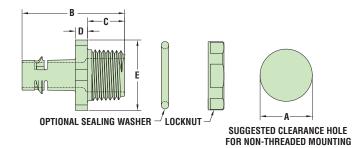
Material Schedule 80 PVC

Heyco-Flex™ III Liquid Tight Fittings

For Flexible, Nonmetallic Liquid Tight Tubing Straight-Thru, Snap-In and NPT Hubs

FITS TUBING TRADE SIZE	PART NO. Black	DESCRIPTION	THREAD SIZE	Clear Ho	A Clearance Hole		3 O.A. igth	RT DIMENSIO C Thread Length in. mm.		D		ching Flat	E Size
Snap-i	n Huh*			in.	111111.	in.	mm.	111.	111111.	III.	111111.	in.	mm.
1/2	1952	HF3C 1/2-S	N/A	.875	22,2	1.38	35,1	.39	9,9	.09	2,3	.97	24,6
NPT Hu	ibs												
3/8	9146	HF3C 3/8	3/8	.875	22.2	1.72	43.7	.63	16.0	.20	5.1	1.16	29.5
1/2	9147	HF3C 1/2	1/2	.075	22,2	1.72	43,1	.03	10,0	.20	5,1	1.10	29,5
3/4	9148	HF3C 3/4	3/4	1.109	28,2	1.84	46,7	.63	16,0	.20	5,1	1.36	34,5
1	9149	HF3C 1	1	1.375	34,9	1.99	50,6	.78	19,8	.20	5,1	1.62	41,1

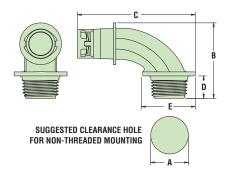
^{*}Part is not liquid tight or UL Recognized. "Thread Length" indicates length below flange.



90° Sweep, NPT Hubs

FITS TUBING TRADE SIZE	PART NO. Black	DESCRIPTION	THREAD SIZE	Clea	A Clearance Hole in. mm.		B Max O.A. Height in. mm.		ART DIMENSIO C Max O.A. Length in. mm.		NS D Thread Length in. mm.		E nge ia.
3/8	1955	HF3C 3/8-90R	3/8	.875	22.2	1.75	44.5	2.74	69.6	.52	13,2	1.23	31.2
1/2	1956	HF3C 1/2-90R	1/2				,-		, .		-,		,
3/4	1957	HF3C 3/4-90R	3/4	1.109	28,2	2.10	53,3	3.08	78,2	.52	13,2	1.50	38,1
1	1958	HF3C 1-90R	1	1.375	34,9	2.67	67,8	3.66	93,0	.69	17,5	1.80	45,7

Standard color black.



Material Nylon 6/6

Certifications certified to both Canadian and U.S. Requirements File E121095

Flammability Rating 94

Temperature Range -22°F (-30°C) to 221°F (105°C)

IP Rating IP 64



- For use with Heyco-Flex III Corrugated Tubing in trade sizes 3/8" through 1".
 See page 3-1.
- Nontoxic and UV resistant.
- Rated for NEMA 4 and 4X applications when used with Heyco-Flex III Tubing.
- Rated for NEMA Type 3R applications.
- Easy, permanent assembly between the tubing and fittings: push the tubing over the fitting ferrule until the tubing clicks into place.
- Lightweight and lower installed cost.
- Quick and easy installation.
- Suitable for use in high vibration or flexing applications (automotive equipment, fiber optics, computer and peripherals, lab equipment, robotics, etc.).
- Resist salt water, weak acids, gasoline, alcohol, oil, grease, and common solvents. This feature is not assessed by UL certification or testing.
- For use in both wet and dry applications.
- If using a tapped hole, Teflon® tape is needed on the threads of the connector, for all other applications an O-ring and Locknut are needed to attain liquid tight.
- Use of an O-ring may be required for a complete liquid tight system with a non-threaded mounting hole.
 See page 3-20.
- Locknuts included with Straight-Thru fittings.
- To order metal or nylon locknuts separately, see pages 3-17 & 3-18.
- Patented.





Heyco® Nylon Corrugated Conduit/Tubin **HPAS Series**

Highly Flexible Polyamide Nylon 6

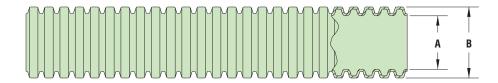
ıg -	- All	NEW	
		UCTS!	

Type HPAS

- Low fire hazard.
- Low smoke and toxicity.
- Halogen, sulphur, and phosphorus free.
- Highly flexible and high fatigue life.
- High impact strength and recovers if crushed.
- Lightweight and low installed cost.
- Use with Heyco Nylon Fittings. See pages 3-5 through 3-6.
- UV resistant.
- For use with all types of equipment, machinery, pumps, motors, and HVAC equipment.
- 10 mm thru 54 mm nominal sizes.
- · Highly resistant to abrasion, oil, and solvents.
- Voltage Rating: 300V.
- Suitable for use in outdoor locations.
- See Page 3-4 for mounting clips.

NOMINAL SIZE	PAR1 Bla	T NO. ack	DESCRIPTION			PAI A		ENSION E	S 3		
	94V-2	94V-0		Inside Bend Radius						Ro Len	
				in.	mm.	in.	mm.	in.	mm.	Ft.	M.
10 mm	F8400	F8421	HPAS 10MM 50M COIL	.59	15,0	.24	6,2	.39	10,0		
13 mm	F8402	F8422	HPAS 13MM 50M COIL	.79	20,0	.38	9,6	.51	13,0		
16 mm	F8404	F8424	HPAS 16MM 50M COIL	1.18	30,0	.47	12,0	.62	15,8	164	50
21 mm	F8406	F8426	HPAS 21MM 50M COIL	1.57	40,0	.65	16,5	.84	21,2	104	30
28 mm	F8410	F8432	HPAS 28MM 50M COIL	2.17	55,0	.88	22,3	1.12	28,5		
34 mm	F8414	F8434	HPAS 34MM 50M COIL	2.56	65,0	1.11	28,2	1.36	34,5		
42 mm	F8416	F8436	HPAS 42MM 25M COIL	3.15	80,0	1.42	36,0	1.67	42,5	82	25
54 mm	F8418	F8438	HPAS 54MM 25M COIL	3.74	95,0	1.85	47,1	2.15	54,5	02	25

Standard color black.







Material Recognized under Underwriters' Laboratories File E121095 Certifications

Flammability Rating Temperature Range **IP** Rating

for both U.S. and Canadian requirements 94V-2 and 94V-0 Halogen Free -4°F (-20°C) to 221°F (105°C)

IP 66 with HPASC Fittings Per EN60529

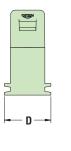
Nylon 6 (PA6)

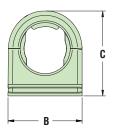
Heyco[®] Nylon Corrugated Conduit/Tubing Mounting Clips

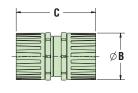
With Integral Closure

FITS CONDUIT SIZE	PART NO. Black	DESCRIPTION	Mou	A Mounting Hole Dia.		ART DIN B dth	Max	IS C c O.A ight	D Max.O.A. Thickness		
			in.	mm.	in.	mm.	in.	mm.	in.	mm.	
13 mm	F8902	HCL 13	.197	5,0	.89	22,7	1.04	26,4			
16 mm	F8904	HCL 16	.205	5,2	1.04	26,4	1.17	29,8			
21 mm	F8906	HCL 21	.244	6,2	1.25	31,8	1.44	36,5	.79	20.0	
28 mm	F8908	HCL 28	.244	6,2	1.61	40,8	1.75	44,5	.19	20,0	
34 mm	F8910	HCL 34	.244	6,2	1.89	48,0	2.03	51,5			
42 mm	F8912	HCL 42	.244	6,2	2.25	57,2	2.37	60,2			

Standard color black.

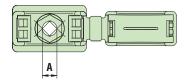








Mounting Clips



Tubing Unions

JU

- For mounting Heyco Nylon Corrugated Conduit or Tubing securely into place, vertically or horizontally.
 See page 3-3.
- Low profile design for space savings and pleasing appearance.
- Only fingertip pressure is required to snap conduit or tubing into bracket.
- Can be easily opened for temporary access/removal and closed again to secure conduit.
- Suitable for use with both fine and/or coarse pitch conduit/tubing.
- Suitable for use by original equipment manufacturers.
- Resist salt water, weak acids, gasoline, alcohol, oil, grease, and common solvents. (This feature is not assessed by UL certification or testing.)
- Recommended distance between brackets at intervals not greater than 3 feet (914 mm) as required by Article 351-27 of 1996 NEC.
- Use one standard #10 (4-5M) screw for attaching bracket to panel or chassis (screw not included).

Heyco® Nylon Corrugated Conduit/Tubing Unions

-	-	_			_			
FITS Conduit	PART NO.	DESCRIPTION	ı	١	PART DIM	IENSIONS B	C	;
SIZE	Black		Во	re	Max. D	iameter	Len	gth
			in.	mm.	in.	mm.	in.	mm.
16 mm	F8944	HPAS 16 - HPAS 16	.43	11,0	1.14	29,0	2.32	59,0
21 mm	F8946	HPAS 21 - HPAS 21	.57	14,5	1.26	32,0	2.80	71,0
28 mm	F8948	HPAS 28 - HPAS 28	.77	19,5	1.73	44,0	3.19	81,0
34 mm	F8950	HPAS 34 - HPAS 34	1.04	26,5	2.01	51,0	3.43	87,0

Standard color black.

One piece fast fit coupler to join corrugated conduit



Quick Specs

Material Nylon 6/6

Flammability Rating 94V-2 and Low Fire Hazard Including Low Smoke,

Low Toxicity as well as Halogen, Sulphur, and Phosphorus Free

Temperature Range -58°F (-50°C) to 275°F (135°C)

a PennEngineering® Company





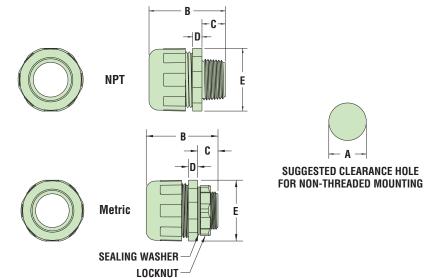
Heyco® Nylon Conduit Fittings - Straight-Thru

For Flexible, Corrugated Nylon Conduit/Tubing

FITS			DESCRIPTION	THREAD							EALING N			
CONDUIT	DII.	V-0		SIZE		A	B 6 A			C		D		E
SIZE	Black	Black				ce Hole	Max O.A	•		Length		g Nut Thk.		ning Flat
					in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.
NPT Hu	bs													
10 mm	H8501	H8501F	HPASC 1/4 NPT-10mm	1/4 NPT	.540	13,7	1.58	40,0	.47	11,9	.19	4,8	.97	24,6
13 mm	H8503	H8503F	HPASC 3/8 NPT-13mm	3/8 NPT	.680	17,3	1.77	45,0	.50	12,7	.19	4,8	1.15	29,2
16 mm	H8504	H8504F	HPASC 3/8 NPT-16mm	3/8 NPT	.680	17,3	1.87	47,5	.52	13,2	.19	4,8	1.34	34,0
10 111111	H8506	H8506F	HPASC 1/2 NPT-16mm	1/2 NPT	.875	22,2	1.99	50,5	.64	16,3	.19	4,0	1.34	34,0
21 mm	H8510	H8510F	HPASC 1/2 NPT-21mm	1/2 NPT	.875	22,2	1.99	50,5	.63	16,0	.19	4,8	1.49	37,9
28 mm	H8516	H8516F	HPASC 3/4 NPT-28mm	3/4 NPT	1.109	28,1	2.07	52,5	.63	16,0	.19	4,8	1.80	45,7
34 mm	H8520	H8520F	HPASC 1 NPT-34mm	1 NPT	1.375	34,9	2.34	59,5	.76	19,3	.19	4,8	1.95	49,5
40	H8522	H8522F	HPASC 1-1/4 NPT-42mm	1-1/4 NPT	1.734	44,0	2.44	62,0	70	00.4			0.54	0.4.5
42 mm	H8524	H8524F	HPASC 1-1/2 NPT-42mm	1-1/2 NPT	1.984	50,4	2.41	61,7	.79	20,1	.22	5,5	2.54	64,5
54 mm	H8528	H8528F	HPASC 2 NPT-54mm	2 NPT	2.469	62,7	2.44	62,0	.80	20,3	.22	5,5	2.74	69,6
Metric I	Hubs													
10 mm	H8570	H8570F	HPASC M12-10mm	M12	.473	12,0	1.58	40,0	.45	11,4	.19	4,8	.98	24,9
13 mm	H8572	H8572F	HPASC M16-13mm	M16	.630	16,0	1.77	45,0	.49	12,5	.19	4,8	1.16	29,5
40	H8574	H8574F	HPASC M16-16mm	M16	.630	16,0	1.87	47,5	.49	12,5	.19	4.8	1.35	34,3
16 mm	H8576	H8576F	HPASC M20-16mm	M20	.787	20,0	1.99	50,5	.61	15,5	.19	4,0	1.33	34,3
21 mm	H8580	H8580F	HPASC M20-21mm	M20	.787	20,0	1.99	50,5	.61	15,5	.19	4,8	1.50	38,0
28 mm	H8586	H8586F	HPASC M25-28mm	M25	.984	25,0	2.07	52,5	.62	15,8	.19	4,8	1.81	46,0
34 mm	H8590	H8590F	HPASC M32-34mm	M32	1.260	32,0	2.34	59,5	.76	19,3	.19	4,8	1.97	50,0
	H8592	H8592F	HPASC M40-42mm	M40	1.575	40,0	2.44	62,0	.78	19,8				
42 mm	H8594	H8594F	HPASC M50-42mm	M50	1.969	50,0	2.26	57,5	.63	16,0	.22	5,5	2.56	65,0
54 mm	H8598	H8598F	HPASC M63-54mm	M63	2.480	63,0	2.28	58,0	.63	16,0	.22	5,5	2.76	70,0

Standard color black.

- No disassembly required. Instead the installer simply pushes the conduit or tubing into the fitting, then tightens the domed sealing nut.
- · Silicone sealing gland ensures liquidtight seal.
- No threading of the conduit or tubing is required to install. This eliminates the possibility of cutting the conduit and creating leak paths.
- Multiple sizes available for use with Heyco-Flex Conduit and Tubing. See page 3-3.





Material Nylon 6/6 with Silicone Rubber Glands

Certifications Recognized under the Component Program of Underwriters' Laboratories

File E121095 to both U.S. and Canadian requirements

Flammability Rating 94V-2, 94V-0

-22°F (-30°C) to 221°F (105°C) Temperature Range

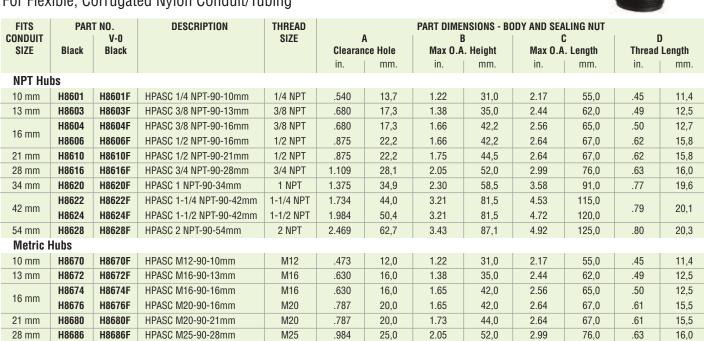
IP Rating



a PennEngineering® Company

Heyco® Nylon Conduit Fittings - 90° Sweep Fittings

For Flexible, Corrugated Nylon Conduit/Tubing



1.260

1.575

1.969

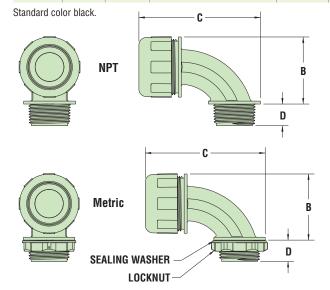
2.480

M32

M40

M50

M63





32,0

40,0

50,0

63,0

2.31

3.20

3.20

3.42

58,7

81,3

81,3

86,9

3.58

4.53

4.72

4.92

SUGGESTED CLEARANCE HOLE FOR NON-THREADED MOUNTING

 No disassembly required. Instead the installer simply pushes the conduit or tubing into the fitting, then tightens the domed sealing nut.

91,0

115,0

120,0

125,0

.77

.76

.63

.63

19,6

19,3

16,0

16.0

- · Silicone sealing gland ensures liquidtight seal.
- No threading of the conduit or tubing is required to install. This eliminates the possibility of cutting the conduit and creating leak paths.
- Multiple sizes available for use with Heyco-Flex Conduit and Tubing. See page 3-3.

Material Nylon 6/6 with Silicone Rubber Glands

Certifications Recognized under the Component Program of Underwriters' Laboratories

File E121095 to both U.S. and Canadian requirements

Flammability Rating 94V-2, 94V-0

Temperature Range -22°F (-30°C) to 221°F (105°C)

IP Rating

34 mm

42 mm

54 mm

H8690

H8692

H8694

H8698

H8690F

H8692F

H8694F

H8698F

HPASC M32-90-34mm

HPASC M40-90-42mm

HPASC M50-90-42mm

HPASC M63-90-54mm





- Smooth inside for easier wire pulling; no hazardous sharp edges or burrs; will not damage conductors.
- Lightweight and lower installed cost.
- Integral rigid and flexible PVC construction.
- Use with nylon Heyco-Flex Connectors; Straight, Snap-in, or Sweep. See pages 3-9 to 3-11.
- Also use with NPT Quick Twist Fittings. See pages 3-13 and 3-14.
- May also be used with Heyco's Metallic Fittings for Liquid Tight Conduit. See page 3-12.
- Resists corrosion, abrasion, oil. water, acid, metal shavings. and rough environments.
- Resists abuse, pull, and crushing.
- Approved for direct burial.
- Sunlight resistant.
- Suitable for indoor/outdoor use:
 - HVAC Equipment
 - Machine Tools
 - Marine Equipment
 - Motors and Controls
 - Printing Equipment
 - Pumps
 - Refrigeration Equipment
- Temperature ratings: 80°C (176°F) DRY 70°C (158°F) OIL Resistance 60°C (140°F) WET locations
- Passes submersion test of 70 psi.
- Voltage rating: 600V.
- Mounting brackets are available, see page 3-19.
- Order Part No. 8340, HF-28 Cutting Tool, for cutting Heyco-Flex conduit and tubing cleanly and evenly. See page 3-8.

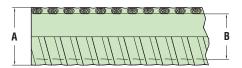
Heyco-Flex™ I Liquid Tight Conduit

Flexible, Nonmetallic Liquid Tight Electrical Conduit

TRADE SIZE	PAR1 Gray	NO. Black	DESCRIPTION	Out	PART DIN A side neter	Ins	B ide neter	STANDARD COIL LENGTH*		
				in.	mm.	in.	mm.	ft/coil		
3/8	8430	8430B	HF1 3/8	.70	17,8	.49	12,5			
1/2	8431	8328	HF1 1/2	.83	21,1	.63	16,1			
3/4	8432	8432B	HF1 3/4	1.04	26,4	.83	21,1	100		
1	8433	8433B	HF1 1	1.30	33,1	1.05	26,8			
1-1/4	8434	8434B	HF1 1-1/4	1.65	41,8	1.40	35,4			
1-1/2	8435	8435B	HF1 1-1/2	1.88	1.88 47,8		40,3	FO		
2	8436	8436B	HF1 2	2.36	59,9	2.03	51,6	50		

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

^{*}Consult Heyco for Cut to Length Availability.



Material Certifications

(IL) Listed under Underwriters' Laboratories File E121096 © Certified by Canadian Standards Association File 233010

Flammability Rating Temperature Range

-.4°F (-18°C) to 167°F (75°C)

Heyco-Flex[™] I Female Conduit Adapters

PVC

For Heyco Liquid Tight Cordgrips and other NPT Hub Components

TRADE SIZE	PART NO. Gray	DESCRIPTION
1/2	8658	FCA 1/2
3/4	8659	FCA 3/4
1	8660	FCA 1
1-1/4	8661	FCA 1-1/4
1-1/2	8662	FCA 1-1/2
2	8663	FCA 2





- Cement onto HF1 Conduit and convert the rough cut end into an NPT threaded hub.
- Allow for the installation of Heyco Liquid Tight Cordgrips (Section 3 in Heyco Catalog 117) as well as other NPT hub parts, onto the end of Heyco-Flex I Conduit.
- Solar App: The solar installer can run PV conductors through a Heyco Solar Masthead/Heyco Flex I assembly, using a Female Conduit Adapter. from the roof to the field level inverter.

Material

Schedule 80 PVC

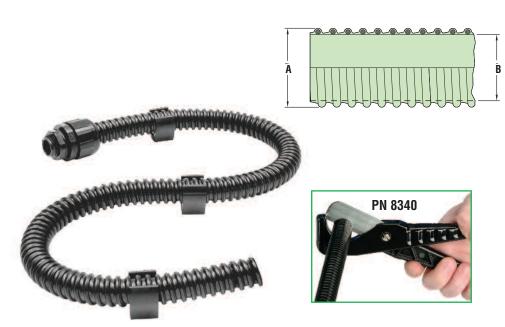
Heyco-Flex™ II Liquid Tight Tubing

Flexible, Nonmetallic Liquid Tight Electrical Tubing

TRADE Size	PART NO. Black	DESCRIPTION	Out	PART DII A Outside Diameter		A B COI			STANDARD COIL LENGTH ft/coil
			in.	mm.	in.	mm.			
1/4	8449	HF2 1/4	.57	14,4	.40	10,0			
3/8	8450	HF2 3/8	.70	17,8	.49	12,5			
1/2	8451	HF2 1/2	.83	21,1	.63	16,1	400		
3/4	8452	HF2 3/4	1.04	26,4	.83	21,1	100		
1	8453	HF2 1	1.30	33,1	1.05	26,8			
1-1/4	8454	HF2 1-1/4	1.65	41,8	1.40	35,4			
1-1/2	8455	HF2 1-1/2	1.88	47,8	1.59	40,3	50		
2	8456	HF2 2	2.36	59,9	2.03	51,6	50		

Standard color black.

Consult Heyco for Cut to Length Availability.





- Maximum flexibility; can be used in extremely tight quarters.
- Smooth inside for easier wire pulling.
- Lightweight and lower installed cost.
- Integral rigid and flexible PVC construction.
- Use with nylon Heyco-Flex Connectors: Straight, Snap-in, or Sweep. See pages 3-9 to 3-11.
- Also use with Quick Twist Fittings.
 See pages 3-13 and 3-14.
- 1/4" thru 2" trade sizes.
- · Resists corrosion, oil, and water.
- UV resistant.
- Suitable for use in high vibration or flexing applications:
 - Automotive Equipment
 - Computers and Peripherals
 - Fiber Optics
 - Lab Equipment
 - Lasers
 - Office Equipment
 - Processing Control and Monitoring Equipment
 - Robotics
 - White Goods
- Passes submersion test of 70 psi.
- Voltage Rating: 300V.
- Mounting brackets are available, see page 3-19.
- Order Part No. 8340, HF-28 Cutting Tool, for cutting Heyco-Flex tubing and conduit cleanly and evenly.

Material Certifications PVC

Recognized under the Component Program of Underwriters' Laboratories File E121095

Gertified by Canadian Standards Association File 233010

Flammability Rating Temperature Range

-.4°F (-18°C) to 158°F (70°C)





- No disassembly required. Instead, the installer simply pushes the conduit or tubing onto the ferrule, then tightens the domed sealing nut. This completed assembly can then be secured in the panel by the locknut or into an NPT threaded hole.
- Convex ferrule ensures liquid tight seal.
- No threading of the conduit or tubing is required to install. This eliminates the possibility of cutting the conduit and creating leak paths.
- Complete conduit/connector system is reusable. Conduit will not wind tight onto the connector during assembly and can be easily removed by pulling while turning in a clockwise direction.
- Multiple sizes for use with Heyco-Flex Conduit and Tubing. See pages 3-7 and 3-8.
- Suitable for indoor/outdoor use: for original equipment manufacturers or field installers.
- Use of a sealing washer may be required for wet locations. See page 3-19.
- All nylon construction resists salt water, weak acids, gasoline, alcohol, oil, grease, and common solvents. (This feature is not assessed by UL certification and testing.)
- If using a tapped hole. Teflon® tape is needed on the threads of the connector. for all other applications an O-ring and Locknut are needed to attain liquid tight.
- Black connectors up to 1" provided with nylon locknut, packed separately. O-ring sold separately, see page 3-20.
- Black connectors larger than 1" and all gray connectors provided with assembled O-ring and metal locknuts.
- See pages 3-17 and 3-18 for locknuts.

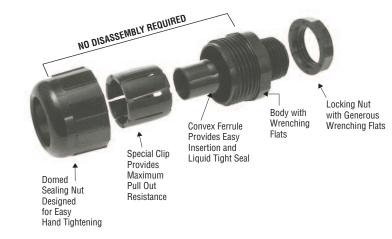
Heyco-Flex™ Liquid Tight Conduit Fittings

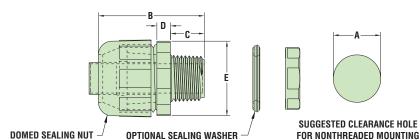
For Flexible, Nonmetallic Liquid Tight Heyco-Flex™ I Conduit and Heyco-Flex™ II Tubing Straight-Thru, NPT Hubs

FITS CONDUIT/ TUBING TRADE	PAR1	Gray	DESCRIPTION	SIZE BODY AND SEALING UNIT A B C D Clearance Max. O.A. Thread Wre				Wren	E ching					
SIZE		,			Ho in.	le mm.	Len in.	gth mm.	Len in.	gth mm.	Nut 1 in.		Flat S	Size ı mm.
1/4	8398	_	HFC 1/4-PG7*	PG7	.492	12.5		28.7	.45	11.4	.21	5.3	1.00	25.4
3/8	8400	8401	HFC 3/8		.875	,-		,						
1/2	8402	8403	HFC 1/2	1/2" NPT	**	22,2	1.96	49,8	.63	16,0	.25	6,3	1.33	33,7
3/4	8404	8405	HFC 3/4	3/4" NPT	1.109	28,1	2.04	52,8	.63	16,0	.25	6,3	1.56	39,6
1	8406	8407	HFC 1	1″NPT	1.375	34,9	2.25	57,2	.78	19,8	.25	6,3	1.81	46,0
1-1/4	8638	8639	HFC 1-1/4	1-1/4" NPT	1.734	44,0	2.07	52,6	.69	17,4	.25	6,3	2.15	54,6
1-1/2	8640	8641	HFC 1-1/2	1-1/2" NPT	1.984	50,4	2.28	57,9	.78	19,8	.28	7,0	2.40	61,0
2	8642	8643	HFC 2	2″NPT	2.469	62,7	2.26	66,0	.85	21,6	.31	7,9	2.98	75,6

Standard colors black and gray.

^{**}Fittings use same mounting hole size but attach two different conduit sizes.





Nylon 6/6

(UL) Listed under Underwriters' Laboratories File E28430

Certified by Canadian Standards Association File 84579 and 81067

Flammability Rating

Material

Certifications

Temperature Range -22°F (-30°C) to 221°F (105°C) IP Rating

IP 68 up to 70 psi (5 bar) water pressure

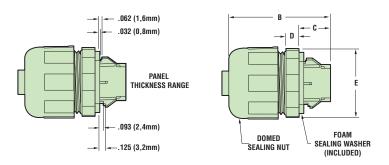
^{*}Standard color black. Recognized under UL file E121095. For PG 7 thread specification, see page 3-57 in Heyco Catalog 117.

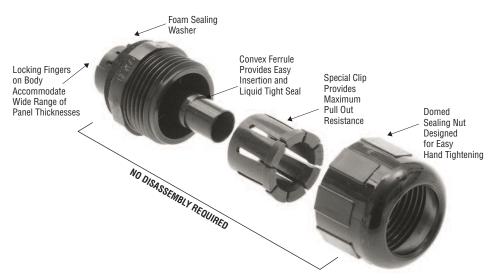
Heyco-Flex™ Liquid Tight Conduit Fittings

For Flexible, Nonmetallic Liquid Tight Heyco-Flex™ I Conduit and Heyco-Flex™ II Tubing Straight-Thru, Snap-In Hubs

FITS CONDU TUBIN TRAD SIZE	IIT/ IG Black E	DESCRIPTION	Mou	A Mounting Hole Dia. in. mm.		B Max O.A. Length in. mm.		RT DIMENSION C Body Length in. mm.		NS D Wre Nut Thk. in. mm.		Size
1/4	8382	HFC 1/4-S	.500	12.7	1.50	38.1	.45	11.3	.22	5.6	.88	22.2
3/8	8384	HFC 3/8-S	075	00.0	0.00	FO.0	00	15.0	0.5		1 00	00.7
1/2	8386	HFC 1/2-S	.875	22,2	2.00	50,8	.63	15,9	.25	6,3	1.33	33,7
3/4	8388	HFC 3/4-S	1.090	27,7	2.03	51,6	.63	15,9	.25	6,3	1.56	39,7
1	8390	HFC 1-S	1.375	34,9	2.25	57,1	.78	19,8	.25	6,3	1.81	46,0

Standard color black.





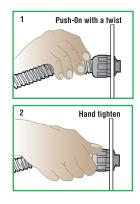
Material Certifications (U) Listed under Underwriters' Laboratories File E28430 Certified by Canadian Standards Association File 84579 and 81067 Flammability Rating Temperature Range -22°F (-30°C) to 221°F (105°C) **IP Rating**



- · Assembly friendly! The installer simply pushes the conduit or tubing onto the ferrule, then tightens the domed sealing nut. This completed assembly can then be snapped into the panel with fingertip pressure.
- Convex ferrule ensures liquid tight seal.
- No threading of the conduit or tubing required to install. This eliminates the possibility of cutting the conduit and creating leak paths.
- · Complete conduit/fitting system is reusable. Conduit will not wind tight onto the connector during assembly and can be easily removed by pulling while turning in a clockwise direction.
- Multiple sizes for use with Heyco-Flex Conduit and Tubing. See pages 3-7 and 3-8.

MOUNTING HOLE

- Suitable for indoor/outdoor use: for original equipment manufacturers or field installers.
- Resist salt water, weak acids. gasoline, alcohol, oil, grease, and common solvents. (This feature is not assessed by UL certification or testing.)
- Foam sealing washer included.





IP 68 up to 70 psi (5 bar) water pressure



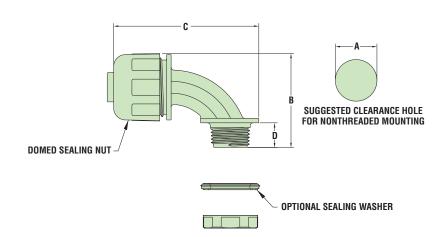
- Smooth internal surfaces for easier wire installation around corner angles.
- No disassembly required. Instead, the installer simply pushes the conduit or tubing onto the ferrule, then tightens the domed sealing nut. This completed assembly can then be secured in the panel by the locknut or into an NPT threaded hole.
- Convex ferrule ensures liquid tight seal.
- No threading of the conduit or tubing is required to install. This eliminates the possibility of cutting the conduit and creating leak paths.
- Complete conduit/connector system is reusable. Conduit will not wind tight onto the connector during assembly and can be easily removed by pulling while turning in a clockwise direction.
- Lower installed cost.
- Multiple sizes for use with Heyco-Flex Conduit and Tubing. See pages 3-7 and 3-8.
- Suitable for indoor/outdoor use; for original equipment manufacturers or field installers.
- Resist salt water, weak acids, gasoline, alcohol, oil, grease, and common solvents. (This feature is not assessed by UL certification and testing.)
- Use of a sealing washer may be required for wet locations. See pages 3-19.
- If using a tapped hole, Teflon® tape is needed on the threads of the connector, for all other applications an O-ring and Locknut are needed to attain liquid tight.
- Black connectors up to 1" provided with nylon locknut, packed separately.
 O-ring sold separately, see page 3-20.
- Black connectors larger than 1" and all gray connectors provided with assembled 0-ring and metal locknut.
- See pages 3-17 and 3-18 for locknuts.

Heyco-Flex™ Liquid Tight Conduit Fittings

For Flexible, Nonmetallic Liquid Tight Heyco-Flex™ I Conduit and Heyco-Flex™ II Tubing 90° Sweep, NPT Hubs

FITS	-	PAR	Г NO.	DESCRIPTION	THREAD SIZE	PART DIMENSIONS BODY AND SEALING UNIT											
TUBII TRAI SIZI	DE	Black	Gray			Clear Ho	A rance ole mm.	Max	B . O.A. ight mm.	Max.	C . O.A. ngth mm.	Th	D read ngth mm.				
3/8)	8423	8424	HFC 3/8-90R		.	1111111.	III.	1111111.	111.	111111.	111.	111111.				
				,	1/2 NPT	.875	22,2	1.98	50,3	2.91	73,9	.52	13,2				
1/2		8425	8426	HFC 1/2-90R													
3/4	1	8427	8428	HFC 3/4-90R	3/4 NPT	1.109	28,1	2.29	58,2	3.17	80,5	.52	13,2				
1		8412	8413	HFC 1-90R	1 NPT	1.375	34,9	2.83	71,9	3.96	100,6	.69	17,5				
1-1/	/4	8652	8653	HFC 1-1/4-90R	1-1/4 NPT	1.734	44,0	4.10	104,1	4.73	104,1	.76	19,3				
1-1/	/2	8654	8655	HFC 1-1/2-90R	1-1/2 NPT	1.984	50,4	4.75	120,7	5.20	132,1	.80	20,3				
2		8656	8657	HFC 2-90R	2 NPT	2.469	62,7	5.42	137,7	5.80	147,3	.86	21,8				

Standard colors black and gray.





Material Certifications Nylon 6/6

94V-2

(IL) Listed under Underwriters' Laboratories File E28430

Certified by Canadian Standards Association File 84579 and 81067

Flammability Rating
Temperature Range

-22°F (-30°C) to 221°F (105°C)

IP Rating

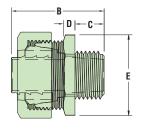
IP 68 up to 70 psi (5 bar) water pressure

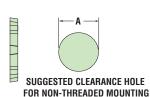


Heyco-Flex™ Zinc Die-Cast Liquid Tight Conduit Fittings

For use with Nonmetallic Heyco-Flex™ I Electrical Conduit **Straight-Thru**, **NPT Hubs**

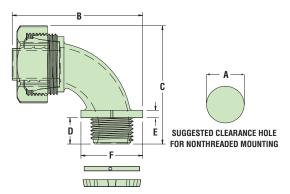
	FITS CONDUIT/ TUBING TRADE SIZE	PART NO.	DESCRIPTION	A Clear Ho in.	ance	Max.	BODY B Max. O.A. Length		ART DIMENSION AND SEALING C Thread Length in. mm.		D Wrend Thk.	ching	Size mm.
NEW!	3/8	9786	HFC-Z 3/8	.890	22,6	1.27	32,3	.49	12,3	.16	4,1	1.19	30,1
	1/2	9794	HFC-Z 1/2	.890	22,6	1.27	32,3	.49	12,3	.16	4,1	1.19	30,1
	3/4	9795	HFC-Z 3/4	1.109	28,1	1.37	34,8	.50	12,6	.19	4,7	1.50	38,1
	1	9793	HFC-Z 1	1.375	34,9	1.67	42,4	.58	14,7	.16	4,1	1.69	42,9
NEW!) 1-1/4	9787	HFC-Z 1-1/4	1.734	44,0	2.06	52,3	.61	15,5	.20	4,1	1.73	44,0
NEW!	1-1/2	9788	HFC-Z 1-1/2	1.984	50,4	2.09	53,0	.63	16,0	.21	5,2	2.20	55,9
NEW!	2	9789	HFC-Z 2	2.469	62,7	2.15	54,6	.63	16,0	.21	5,2	3.03	76,9





90° Sweep, NPT Hubs

	FITS CONDUIT/ TUBING TRADE SIZE	PART NO.	DESCRIPTION	Clear	A Clearance Hole in. mm.			Y AND Max	MENSIO SEALIN C . O.A. ight mm.	IG UNI	T D read ngth mm.	Nut in.	E Wrend Thk.	F ching Flat Size in. mm.		
NEW!	3/8	9790	HFC-Z 3/8-90	.890	22,6	2.53	76,9	2.11	53,6	.53	13,5	.16	4,1	1.19	30,1	
	1/2	9796	HFC-Z 1/2-90	.890	22,6	2.35	59,6	2.12	53,8	.52	13,2	.11	2,8	1.14	30,0	
NEW!	3/4	9797	HFC-Z 3/4-90	1.109	28,1	2.79	70,9	2.47	62,5	.55	14,0	.19	4,7	1.50	38,1	
NEW!	1	9791	HFC-Z 1-90	1.375	34,9	3.86	98,0	3.46	87,9	.58	14,7	.16	4,1	1.69	42,9	
NEW!	1-1/4	9792	HFC-Z 1-1/4-90	1.734	44,0	3.99	101,3	3.37	85,6	.67	9,4	.20	4,1	1.73	44,0	
NEW!	1-1/2	9798	HFC-Z 1-1/2-90	1.984	50,4	5.04	128,0	4.28	108,7	.61	15,5	.21	5,2	2.20	55,9	
NEW!	2	9799	HFC-Z 2-90	2.469	62,7	5.06	128,5	4.21	106,9	.71	18,0	.21	5,4	3.03	76,9	



Material Certifications Die cast zinc

Listed under UL File E103541



- Cost effective die-cast zinc construction provides durability and resists rough environments.
- Liquid Tight when used with Heyco-Flex™ I Liquid Tight Conduit. See Page 3-7.
- Provide smooth connection, no sharp edges to strip wire.
- Suitable for outside, inside, and industrial uses including transformer connections, air conditioning, and heating.
- Suitable for use in both wet and dry location.
- Fit the most common sizes of nonmetallic liquid tight conduit.
- If using a tapped hole, Teflon® tape is needed on the threads of the connector, for all other applications an O-ring and Locknut are needed to attain liquid tight.
- Supplied with locknut and plastic sealing ring.
- DFARS Compliant





a PennEngineering® Company



- One-piece solution with smooth internal surfaces provides for easier wire routing, protection, and installation.
- Easy, permanent assembly: the installer twists the tubing over the connector ferrule.
- Unique locking fingers accommodate various panel thicknesses.
- All nylon construction is resistant to salt water, weak acids, gasoline, alcohol, oil, grease, and common solvents. (This feature is not assessed by UL certification and testing.)
- Suitable for a wide array of electrical applications:
 - Commercial and Industrial HVAC Systems
 - Motorized Equipment
 - Enclosed Power Sources
 - Garage Door Openers
 - Major Appliances
- Finishing collars available to neaten rough cut tubing ends.
- Assembly Tool available for assembling Quick Twist Fittings into HF1 and HF2 Conduit and Tubing (see page 3-14)

Snap-In Hubs

- Snap-in Fittings are UL recognized for use with Heyco-Flex II Tubing.
- Suitable for dry location only.

NPT Hubs

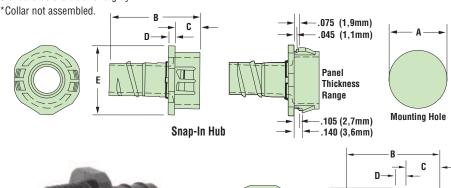
- NPT threaded fittings are UL approved for use with Heyco-Flex I & II Conduit and Tubing.
- If using a tapped hole, Teflon® tape is needed on the threads of the connector, for all other applications an O-ring and Locknut are needed to attain liquid tight.
- Locknuts not included. To order nylon or metal locknuts separately, see pages 3-17 and 3-18.
- See page 3-20 for O-Rings.

Heyco-Flex™ Quick Twist Conduit Fittings

For use with Heyco-Flex™ II Tubing Straight-Thru, Snap-In and NPT Hubs

FITS TUBING		PART NO).	DESCRIPTION	F	\	E		RT DIM	ENSIO	DNS D E				
TRADE SIZE	Black	Black w/ Finishing Collar*	Gray		Mour	Mounting Hole Dia.									t
					in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.	
Snap-I	n Hubs	- For use	with H	eyco-Flex™ II Tub	ing										
1/4	8515	-	8516	HFC 1/4-S-Twist	.540	13,7	1.33	33,8	.34	8,7	.09	2,3	.75	19,1	
3/8	8485	8485FC	8486	HFC 3/8-S-Twist	.875	22.2	1.38	35,0	.39	9,9	.09	2,3	1.00	25.4	
1/2	8490	8490FC	8491	HFC 1/2-S-Twist	.073	22,2	1.00	55,0	.00	3,3	.03	2,0	1.00	20,7	
3/4	8495	8495FC	8496	HFC 3/4-S-Twist	1.109	28,2	1.50	38,0	.39	9,9	.09	2,3	1.25	31,8	
NPT H	ubs - F	or use witl	h Heyc	o-Flex™ I and II C	onduit	and o	Tubing								
1/4	8517	-	8518	HFC 1/4-Twist	.540	13,7	1.56	39,6	.47	11,8	.20	5,1	.75	19,1	
3/8	8487	8487FC	8488	HFC 3/8-Twist	.875	22.2	1.72	43.7	.63	15,9	.20	5,1	1.18	30.0	
1/2	8493	8493FC	8494	HFC 1/2-Twist	.075	22,2	1.72	40,1	.03	13,9	.20	ا, ا	1.10	30,0	
3/4	8497	8497FC	8498	HFC 3/4-Twist	1.109	27,8	1.84	46,7	.63	15,9	.20	5,1	1.37	34,8	

Standard colors black and gray.





For use with Heyco-Flex™ I and II Conduit



FITS CONDUIT/ Trade size	PART Black	NO. Gray	DESCRIPTION
3/8	8474	8482	HFC TWIST 3/8 COLLAR
1/2	8475	8483	HFC TWIST 1/2 COLLAR
3/4	8476	8484	HFC TWIST 3/4 COLLAR

Standard colors black and gray. Consult Heyco for other colors. (Not available in 1/4).

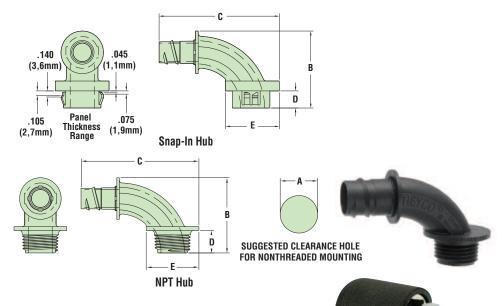
Material	Nylon 6/6
Certifications	Recognized under the Component Program of Underwriters' Laboratories File E121095 (Snap-in Hubs)
	(IL) UL Listed under Underwriters' Laboratories File E28430 (NPT Hubs)
Flammability Rating	94V-2
Temperature Range	-22°F (-30°C) to 221°F (105°C)

Heyco-Flex™ Quick Twist Conduit Fittings

For use with Heyco-Flex™ I and II Conduit and Tubing 90° Sweep, Snap-In and NPT Hubs

FITS	PART	NO.	DESCRIPTION				P/	ART DIM	ENSIO	NS			
TUBING				ļ ,	١		В	(;		D	E	•
TRADE	Black	Gray		Mou				Max O.A.		Hub		Flange	
SIZE				Hole	Dia.	Height		Len	gth	Length		Dia.	
									l				
				in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.
Snap-In	Hubs -	· For u	se with Heyco-Flex'	™ II Tubi	ing only	У							
3/8	8500	8501	HFC 3/8-S-90-Twist	075	00.0	4 75	44.0	0.75	00.0	00	0.0	4 00	04.0
1/2	8505	8506	HFC 1/2-S-90-Twist	.875	22,2	1.75	44,6	2.75	69,8	.39	9,9	1.23	31,2
3/4	8510	8511	HFC 3/4-S-90-Twist	1.109	28,2	1.97	50,0	3.08	78,3	.39	9,9	1.50	38,1
NPT Hul	os - For	r use v	ith Heyco-Flex™ I a	nd II Co	nduit a	and Tub	ing						
3/8	8502	8503	HFC 3/8-90-Twist	.875	22.2	1.75	44.6	2.75	69.8	.51	13.2	1.23	21.0
1/2	8507	8508	HFC 1/2-90-Twist	.073	22,2	1.73	44,0	2.73	09,0	.51	13,2	1.23	31,2
3/4	8512	8513	HFC 3/4-90-Twist	1.109	28,2	2.11	53,5	3.08	78,3	.53	13,5	1.50	38,1
			0 11.11										

Standard colors black and gray. Consult Heyco for other colors.



Heyco® Quick Twist Assembly Tool

For use with Hevco-Flex™ Quick Twist Fittings

PART NO.	THREAD Size	Hub Type
0055 0056	3/8 & 1/2 3/4	Snap-In
0057 0058	3/8 & 1/2 3/4	NPT

Material

Nylon 6/6

Recognized under the Component Program of Underwriters'
Laboratories File E121095 (Snap-in Hubs)

UL Listed under Underwriters' Laboratories File E28430 (NPT Hubs)

Flammability Rating
Temperature Range

94V-2
-22°F (-30°C) to 221°F (105°C)



- One-piece solution with smooth internal surfaces provides for easier wire routing, protection, and installation around corner angles.
- Easy, permanent assembly: the installer twists the tubing over the connector ferrule
- Unique locking fingers accommodate various panel thicknesses.
- All nylon construction is resistant to salt water, weak acids, gasoline, alcohol, oil, grease, and common solvents. (This feature is not assessed by UL certification and testing.)
- Suitable for a wide array of electrical applications:
 - Commercial and Industrial HVAC Systems
 - Motorized Equipment
 - Enclosed Power Sources
 - Garage Door Openers
 - Major Appliances
- Finishing collars available to neaten rough cut tubing ends (see page 3-13).
- Assembly Tool available for assembling Quick Twist Fittings into HF1 and HF2 Conduit and Tubing.

Snap-In Hubs

- Snap-in Fittings are UL recognized for use with Heyco-Flex II Tubing.
- Suitable for dry location only.

NPT Hubs

- NPT threaded fittings are UL approved for use with Heyco-Flex I & II Conduit and Tubing.
- If using a tapped hole, Teflon® tape is needed on the threads of the connector, for all other applications an O-ring and Locknut are needed to attain liquid tight.
- Locknuts not included. To order nylon or metal locknuts separately, see pages 3-17 and 3-18.
- See page 3-20 for O-Rings.





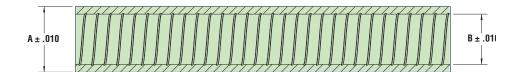
- Constructed of PVC jacketed, continuously interlocked hot dipped zinc galvanized steel core for exceptional crush and corrosion resistance.
- Used with standard liquid-tight fittings (page 3-16) for easy installation.
- IP 67 Rated when installed with approved connectors.
- Durable, sunlight resistant and flame retardant thermoplastic PVC jacket that resists heat, oil, and chemical breakdown.
- Approved for both exposed and concealed locations, direct burial and in concrete.
- Approved as an equipment grounding conductor if the total grounding path is 6 ft. or less and the circuit conductors are protected by over 20 amps for 3/8" and 1/2" and 60 amps or less for 3/4" through 1-1/4".
- Suitable for use in hazardous locations per NEC Articles 501 Class I Div. 2, Article 502 Class II Div. 1 & 2, Article 503 Class III Div. 1 & 2.
- Complies with UL Standard 360 File No. E18917; CSA C22.2 File No. 158897; and NEC Article 350.
- DFARS Compliant

Heyco-Flex™ VI Liquid Tight Conduit

Flexible, Metal Liquid Tight Electrical Conduit (LFMC)

TRADE SIZE	PART NO. Gray	DESCRIPTION	Out	PART DIN A sside neter	Dia	B side neter	STANDARD Coil Length
			in.	mm.	in.	mm.	ft/coil
3/8	8457	HF6 3/8 LFMC	.70	17,8	.49	12,5	
1/2	8458	HF6 1/2 LFMC	.83	21,1	.63	16,1	100
3/4	8459	HF6 3/4 LFMC	1.04	26,4	.83	21,1	100
1	8460	HF6 1 LFMC	1.30	33,1	1.04	26,4	

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





Material

Certifications

PVC jacket with zinc galvanized steel core

(IL) Listed under the Component Program of Underwriters' Laboratories File E469210

Certified by Canadian Standards Association File 260992

Temperature Range

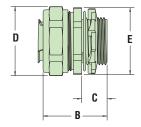
-4°F (-20°C) to 140°F (60°C)



Nickel-plated Brass Construction

Straight-Thru, NPT Hubs

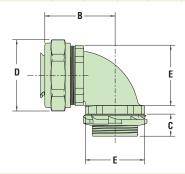
TRADE	PART	DESCRIPTION	_	PART DIMENSIONS								
SIZE	NO.		A Clearance Hole		B Max O.A. Length		C Thread Length		D Wrenching Nut Flat Size		E Wrenching Flat Size	
			in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.
3/8	4028	HF6C 3/8	.874	22,2	1.38	35,0	.55	14,0	1.02	26,0	.95	24,0
1/2	4029	HF6C 1/2	.874	22,2	1.42	36,0	.55	14,0	1.14	29,0	1.06	27,0
3/4	4030	HF6C 3/4	1.040	26,4	1.46	37,0	.55	14,0	1.38	35,0	1.30	33,0
1	4031	HF6C 1	1.327	33,7	1.58	40,0	.63	16,0	1.77	45,0	1.65	42,0

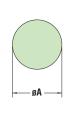




90° Sweep, NPT Hubs

TRADE	PART	DESCRIPTION				PAI	RT DIME	NSIONS				
SIZE	NO.		A Clearance Hole in. mm.		Max	Max O.A. Thr Length Ler		C ead igth mm.	Wrenching Nut Flat Size n. in. mm.		Wrenching Flat Size in. mm.	
3/8	4032	HF6C 3/8-90	.874	22,2	1.18	30,0	.55	14,0	1.02	26,0	.95	24,0
1/2	4033	HF6C 1/2-90	.874	22,2	1.38	32,0	.55	14,0	1.14	29,0	1.06	27,0
3/4	4034	HF6C 3/4-90	1.040	26,4	1.42	36,0	.55	14,0	1.38	35,0	1.30	33,0
1	4035	HF6C 1-90	1.327	33,7	1.93	49,0	.63	16,0	1.77	45,0	1.65	42,0





Material

Nickel Plated Brass with a PA6 clamping ring, galvanized steel ferrule and locknut and NBR rubber washer

Certifications



c(1) us Certified by Underwriters' Laboratories for Compliance with both Canadian and U.S. requirements under File E234207

Temperature Range -45°F (-45°C) to 221°F(105°C)



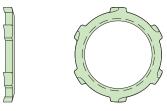
- Designed with an insulated throat to prevent wire damage during installation.
- Excellent corrosion resistance, strength, and durability.
- · Connector is ideal for use with standard liquid-tight conduit to allow easy installation. IP 66/67 rated when installed with approved conduit.
- Approved for both exposed and concealed locations.
- Suitable for harsh industrial, food and beverage, petro-chemical, waste water, salt water, and other corrosive applications.
- Suitable for use in hazardous locations per NEC Articles 501 Class I Div. 2, Article 502 Class II Div. 1 & 2, Article 503 Class III Div. 1 & 2.
- Complies with UL Standard 360 File No. E18917; CSA C22.2 File No. 158897; and NEC Article 350.
- DFARS Compliant



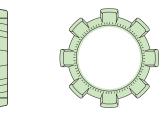




DFARS Compliant



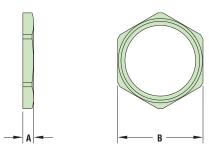
Stamped Steel Nut



Zinc Die-cast Nut



Nickel-Plated Brass



Heyco® Metal Locknuts

NPT Thread-Straight NPS Threads for use with NPT Threaded Fittings

THREAD TYPE	STAMPE	D STEEL	ZINC D	DIE-CAST
AND SIZE	PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
1/4 NPT	2238	LN 1/4*	-	-
3/8 NPT	2242	LN 3/8*	-	-
1/2 NPT	2250	LN 1/2	9800	LN 1/2 DC
3/4 NPT	2251	LN 3/4	9801	LN 3/4 DC
1 NPT	2252	LN 1	9802	LN 1 DC
1-1/4 NPT	9806	LN 1-1/4	9803	LN 1-1/4 DC
1-1/2 NPT	9807	LN 1-1/2	9804	LN 1-1/2 DC
2 NPT	9808	LN 2	9805	LN 2 DC
2-1/2 NPT	9809	LN 2-1/2	_	_
3 NPT	9810	LN 3	_	_

^{*}Wrenching flats are not crenellated

PG Thread-Nickel-Plated Brass

THREAD TYPE AND SIZE	PART NO.	DESCRIPTION	PART DIM A Thickness in. mm.		ENSIONS B Wrenchii in.	
PG 7	2257	Brass LN PG 7	.110	2,8	.591	15,0
PG 9	2258	Brass LN PG 9	.110	2,8	.709	18,0
PG 11	2259	Brass LN PG 11	.118	3,0	.827	21,0
PG 13.5	2260	Brass LN PG 13	.118	3,0	.906	23,0
PG 16	2261	Brass LN PG 16	.118	3,0	1.024	26,0
PG 21	2262	Brass LN PG 21	.138	3,5	1.261	32,0
PG 29	2263	Brass LN PG 29	.158	4,0	1.615	41,0
PG 36	2268	Brass LN PG 36	.197	5,0	2.009	51,0
PG 42	2269	Brass LN PG 42	.197	5,0	2.364	60,0

Metric Thread-Nickel-Plated Brass

THREAD TYPE AND SIZE	PART NO.	DESCRIPTION		PART DIMENSIONS A B				
AND OILL			Thick	-	Wrenchin			
			in.	mm.	in.	mm.		
M6 x 1	2243	Brass LN M6	.110	2,8	.354	9,0		
M8 x 1,25	2244	Brass LN M8	.110	2,8	.433	11,0		
M10 x 1,5	2245	Brass LN M10	.110	2,8	.512	13,0		
M12 x 1,5	2246	Brass LN M12	.118	3,0	.591	15,0		
M16 x 1,5	2247	Brass LN M16	.118	3,0	.748	19,0		
M20 x 1,5	2248	Brass LN M20	.138	3,5	.945	24,0		
M25 x 1,5	2249	Brass LN M25	.138	3,5	1.181	30,0		
M32 x 1,5	2253	Brass LN M32	.177	4,5	1.417	36,0		
M40 x 1,5	2254	Brass LN M40	.177	4,5	1.811	46,0		
M50 x 1,5	2255	Brass LN M50	.217	5,5	2.165	55,0		



Heyco® Nylon Locknuts

NPT Thread-Straight NPS Threads for use with NPT Threaded Fittings

THREAD TYPE	PAR	Г NO.	PART NO.		DESCRIPTION	PART DIMENSIONS				
AND SIZE	BU	LK	100 PACK			I	4	В		
	Black	Gray	Black	Gray		Thick	Thickness		Wrenching Flats	
						in.	mm.	in.	mm.	
1/4 NPT	M9142	M9143	3269	3270	NLN 1/4 NPT	.265	6,7	.748	19,0	
3/8 NPT	8461	8462	3271	3272	NLN 3/8 NPT	.265	6,7	1.058	26,9	
1/2 NPT	8463	8464	3273	3274	NLN 1/2 NPT	.265	6,7	1.058	26,9	
3/4 NPT	8465	8466	3275	3276	NLN 3/4 NPT	.265	6,7	1.295	32,9	
1 NPT	8467	8468	3277	3278	NLN 1 NPT	.265	6,7	1.605	40,8	
1-1/4 NPT	M9144	M9145	3279*	_	NLN 1-1/4 NPT	.281	7,1	1.968	50,0	
1-1/2 NPT	M9150	M9151	_	_	NLN 1-1/2 NPT	.320	8,1	2.735	69,5	
2 NPT	M9156	M9157	_	_	NLN 2 NPT	.375	9,5	2.835	72,0	



^{*}PN 3279 is a 50 Pack.

PG Thread

THREAD TYPE	PAR	T NO.	DESCRIPTION	PART DIMENSIONS					
AND SIZE	Black	Gray		<i>F</i> Thick	ness	Wrencl	3 ning Flats		
				in. mm.		in.	mm.		
PG 7	3165	3166	NLN PG 7	.218	5,5	.750	19,1		
PG 9	3167	3168	NLN PG 9	.218	5,5	.859	21,8		
PG 11	3169	3170	NLN PG 11	.218	5,5	.937	23,8		
PG 13.5	3171	3172	NLN PG 13.5	.250	6,4	1.062	27,0		
PG 16	3173	3174	NLN PG 16	.250	6,4	1.171	29,7		
PG 21	3175	3176	NLN PG 21	.281	7,1	1.406	35,7		
PG 29	3177	3178	NLN PG 29	.281	7,1	1.812	46,0		
PG 36	M9146	M9147	NLN PG 36	.281	7,1	2.244	56,9		
PG 42	M9152	M9153	NLN PG 42	.320	8,1	2.750	69,9		
PG 48	M9158	M9159	NLN PG 48	.375	9,5	2.835	72,0		

Standard colors black or gray.

Metric Thread

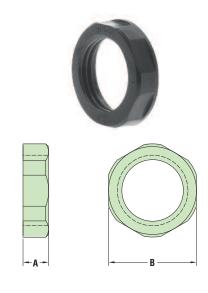
THREAD TYPE	PAI	RT NO.	DESCRIPTION	PART DIMENSIONS					
AND SIZE				Α		В			
	Black	Gray		Thick	iness	Wrenching Flats			
				in.	mm.	in.	mm.		
M12	M9130	M9131	NLN M12	.218	5,5	.750	19,1		
M16	M9132	M9133	NLN M16	.218	.218 5,5		22,1		
M20	M9134	M9135	NLN M20	.245	6,2	1.062	27,0		
M25	M9136	M9137	NLN M25	.281	7,1	1.378	35,0		
M32	M9138	M9139	NLN M32	.281	7,1	1.614	41,0		
M40	M9140	M9141	NLN M40	.281	7,1	1.968	50,0		
M50	M9148	M9149	NLN M50	.320 8,1		2.750	69,9		
M63	M9154	M9155	NLN M63	.375	9,5	2.850	72,4		

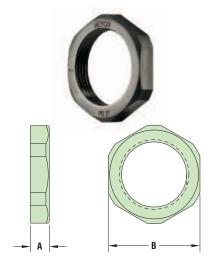
Standard colors black or gray.

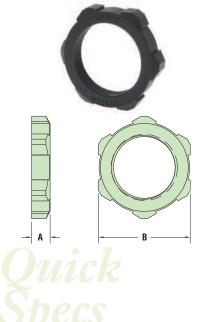
Material Nylon 6/6

Flammability Rating 94V-2 Standard-Consult Heyco for VO material

Temperature Range -22°F (-30°C) to 221°F (105°C)







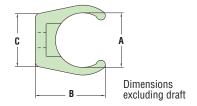


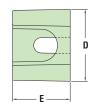
- · For mounting Heyco-Flex Conduit or Tubing securely into place, vertically or horizontally. See pages 3-1, 3-7, and 3-8.
- Only fingertip pressure is required to snap conduit or tubing into bracket.
- Low profile design for space savings and pleasing appearance.
- · Recommended distance between brackets at intervals not greater than 3 feet (1m) as required by Article 351-27 of 1996 NEC.
- Use one standard #10 (4-5M) screw for attaching bracket to panel (screw not included).
- Resist salt water, weak acids, gasoline, alcohol, oil, grease, and common solvents.

Heyco-Flex™ Mounting Brackets

FITS CONDUIT/	PART	NO.	O. DESCRIPTION		PART DIMENSIONS								
TUBING	Black	Gray		A Inside Dia. in. mm.		Ler	igth mm.	C Height in. mm.		Outside Dia. in. mm.		E Width in. mm.	
3/8 1/2 3/4 1	1025 1027 1029 1031	1026 1028 1030 1032	HFB 3/8 HFB 1/2 HFB 3/4 HFB 1	.66 .79 1.05 1.24	16,9 20,0 26,7 31,5	.91 1.07 1.27 1.52	23,2 27,3 32,2 38,6	.72 .71 .67 .84	18,2 18,0 17,0 21,3	.90 1.06 1.31 1.53	22,9 26,8 33,2 38,9	.75	19,1

Standard color black or gray.





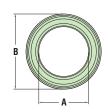


- For use with Heyco-Flex fittings.
- · Liquid tight, dust tight, and oil tight at enclosure.
- Suitable for wet locations requiring a separate gasket between the box and fitting.
- Also suitable for other panel sealing applications.
- Easy to install since washers seal off on the perimeter, not on the connector threads.
- Special double sealing ridges compensate for minor unevenness at enclosure.

Heyco[®] Sealing Washers

Will Fit These Electrical Fitting NPT Trade Sizes	PART NO. Black	DESCRIPTION	ESCRIPTION PART DIMENSIONS A B Inside Outside Diameter Diameter		C Thick			
			in.	mm.	in.	mm.	in.	mm.
1/4	3258	SW 1/4	.54	13,7	.80	20,2		
3/8	3259	SW 3/8	.67	17,0	1.01	25,5	.13	3,2
1/2	3260	SW 1/2	.85	21,6	1.24	31,5		
3/4	3261	SW 3/4	1.03	26,2	1.50	38,1	.14	3,4
1	3262	SW 1	1.28	32,5	1.77	45,0	.18	4,6
1-1/4	3264	SW 1-1/4	1.66	42,2	2.16	54,8	.16	4,1
1-1/2	3265	SW 1-1/2	1.86	47,2	2.44	62,0	.10	7,1
2	3257	SW 2	2.32	58,9	2.93	74,4	.18	4,6

Standard color black.







Material HFB - Nylon 6/6 SW - Thermoplastic Elastomer

Flammability Rating HFB - 94V-2 SW - 94V-0 Temperature Range -22°F (-30°C) to 221°F (105°C)



Heyco® Foam Washers

	Will Fit These	PART NO.	DESCRIPTION	PART DIMENSIONS A B			-	С	
	Electrical Fitting						B	1	
	NPT Trade Sizes	Black			e Dia.		le Dia.	Thick	
				in.	mm.	in.	mm.	in.	mm.
	.125´´(3,2 mm) Thickness								
	1/4	1970	HFW 500	.500	12,7	.820	20,8		
	-	1971	HFW 625	.625	15,9	.940	23,9		
		1972	HFW 750	.750	19,1	1.060	26,9		
	1/0	1973	HFW 875	075	00.0	1.185	20.1		
NEW!	> 1/2	1980	HFW 875 DD*	.875	22,2	1.100	30,1	.125	3,2
	-	1974	HFW 1000	1.000	25,4	1.390	35,3	.123	5,2
	3/4	1982	HFW 1125	1.125	28,6	1.515	38,5		
NEW!		1981	HFW 1125 DD*						
	-	1983	HFW 1250	1.250	31,8	1.875	47,6		
	1	1998	HFW 1375	1.375	34,9	2.000	50,8		
	.190´´(4,8 mm)	Thickness							
	1/4	1975	HFW 1/4	.480	12,2	.860	21,8		
	1/2	1977	HFW 1/2	.840	21,3	1.200	30,5	.190	16
	3/4	1978	HFW 3/4	1.050	26,7	1.500	38,1	.190	4,6
	1	1979	HFW 1	1.300	33,0	1.700	43,2		

[•] For use with Heyco-Flex fittings.

- · Provide additional degree of protection for a variety of fittings.
- Compensate for non-ideal mounting surfaces in application.

Heyco® Thermoplastic Rubber O-Rings

Will Fit These	PART NO.	DESCRIPTION	PART DIMENSIONS					
Electrical Fitting			A		В		C	
NPT Trade Sizes	Black		Inside Dia.		Outside Dia.		Thickness	
			in.	mm.	in.	mm.	in.	mm.
1/2	1995	ROR 1/2	.860	21,8	1.140	28,9		
3/4	1996	ROR 3/4	1.050	26,7	1.320	33,5	.140	3,5
1	1997	ROR 1	1.300	32,9	1.570	39,9		

Standard color black.

Consult Heyco for 1-1/4", 1-1/2" and 2" Electrical Trade and other sizes.

- For use with Heyco-Flex fittings mounted in non-threaded holes.
- · Liquid tight, dust tight and oil tight at enclosure.
- · Suitable for wet locations requiring a separate gasket between the fitting and enclosure.
- Resistant to petroleum oil, mineral oil and grease, diesel fuel, weak acids, alkali, and salt solutions.

Material Temperature Range

HFW **EPDM** -4°F (-20°C) to 140°F (60°C)

Buna-N (Nitrile Rubber NBR) -30°F (-34°C) to 212°F (100°C)



Standard color black.

^{*}Feature flats across ID: PN 1980 - .750" (19,1 mm), PN 1981 - .965" (24,5 mm)

Heyco[®] Solar Power Components LabKit #9 (Part No. 3000)

Use Heyco LabKits!

- Heyco LabKits are perfect for product design departments, experimental labs, and for all prototype work.
- The Heyco Solar Power Components LabKit #9 contains an assortment of our most popular Solar Panel Connectors, Cordgrips, Clips and other accessories.
- Heyco also offers LabKits for Liquid Tight Cordgrips,
 Strain Relief Bushings, Hole Plugs, HEYware, and Grommets.
- Parts in LabKits are available in various sizes and colors.
 Please consult Heyco for further information.





Heyco® SunScreenKit™

36 pieces of PART NO. **\$6437** SunScreen Clips bundled together with one 100 ´ Roll of SunScreen Wire Mesh

For Clip and Screen product details, see page 1-31

KIT NO.	CLIP QTY.	MESH			
		Width	Length		
		in.	ft.		
S6465	36	4			
S6467	36	6	100′		
S6469	36	8	Roll		



Please visit heycosolar.com for details on Heyco's Twenty Year Solar Products Warranty

www.HeycoSolar.com



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"Stay Connected with Heyco" Power Components

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