



**NO O-RING
REQUIRED!**



Heyco® -Tite Liquid Tight Break-Thru™ Cordgrips

Multi-Hole, NPT Hubs with Skinned-over Gland and Integral Sealing Ring
IP 68 Rated - Sequenced by Conductor Size
The Ultimate in Liquid Tight Strain Relief Protection

- Heyco® **Break-Thru™ Skinned-Over glands** offer the flexibility to use fewer of the available holes while still providing a liquid tight seal around the conductors. Consult Heyco® for additional Skinned-over gland number, size, and hub configurations.
- Heyco® **Multi-hole glands** provide the widest range of conductor through-hole size and number configurations, many of which are agency approved. See the tabular charts for specific approvals for specific parts. These approvals are not "global" or implied approvals; they are both real and part specific.
- Integral Sealing Ring ensures a superior seal at the clearance or threaded mounting hole location, every time.
- Approved for **NEMA 4, 4X, 6 and 6P** applications.
- IP 68 rated.
- Cordgrips are made of nylon construction with TPE sealing glands that resist salt water, weak acids, gasoline, alcohol, oil, grease, and common solvents.
- For body part dimensions see page 3-1, 3-3, and 3-4.
- Multi-hole glands are only to be used with Heyco Liquid Tight Cordgrips and are not sold separately.
- Consult Heyco for Cordgrips molded in other colors.

GLAND CONFIGURATION Conductors			PART NO. Black	DESCRIPTION	UL or cULus	PART DIMENSIONS									
Type *	Size mm.	No.				A Clearance Hole Dia. in. mm.	B Max. O.A. Length in. mm.	C Thread Length in. mm.	D Wrenching Nut Thickness in. mm.		E Flat Size in. mm.				

Break-Thru aka "Solar Mastheads"

n/a	4,8	4	M3200GCQ-SM	SMCG LL 1/2	n/a	.87	22,2	1.68	42,7	.44	11,2	.25	6,4	1.06	27,0
		5	M3234GBR-SM	SMCG 3/4	cULus	1.04	26,4	2.00	50,8	.62	15,7	.25	6,4	1.30	33,0
		9	M8437GBK-SM	SMCG 1	cULus	1.33	33,8	2.41	61,2	.76	19,3	.30	7,6	1.73	43,9
USE-2	5,5	13	M4524GBM-SM	SMCG 1-1/4	cULus	1.68	42,7	2.69	68,3	.78	19,8	.30	7,6	2.05	52,1
		21	M3317GBQ-SM	SMCG 1-1/2	cULus	1.92	48,8	2.81	71,3	.76	19,3	.36	9,1	2.48	63,0
		31	M3321GBY-SM	SMCG 2	cULus	2.40	60,8	2.93	74,3	.79	20,1	.42	10,7	2.75	69,9
USE-2	5,6	3	M3200GAH-SM	SMCG LL 1/2	UL	.87	22,2	1.68	42,7	.44	11,2	.25	6,4	1.06	27,0
PV 1000 or USE-2 **	7,7	3	M3234GBS-SM	SMCG 3/4	UL	1.04	26,4	2.00	50,8	.62	15,7	.25	6,4	1.30	33,0
		5	M8437GBT-SM	SMCG 1	UL	1.33	33,8	2.41	61,2	.76	19,3	.30	7,6	1.73	43,9
		9	M4524GBW-SM	SMCG 1-1/4	cULus	1.68	42,7	2.69	68,3	.78	19,8	.30	7,6	2.05	52,1
		11	M3317GBZ-SM	SMCG 1-1/2	cULus	1.92	48,8	2.81	71,3	.76	19,3	.36	9,1	2.48	63,0
PV 1000	8,9	19	M3321GBX-SM	SMCG 2	UL	2.40	60,8	2.93	74,3	.79	20,1	.42	10,7	2.75	69,9
		7	M4524GCJ-SM	SMCG 1-1/4	UL/CS	1.68	42,7	2.69	68,3	.78	19,8	.30	7,6	2.05	52,1
		9	M3317GCK-SM	SMCG 1-1/2	cULus	1.92	48,8	2.81	71,3	.76	19,3	.36	9,1	2.48	63,0
		12	M3321GCM-SM	SMCG 2	UL/CS	2.40	60,8	2.93	74,3	.79	20,1	.42	10,7	2.75	69,9

Break-Thru Combo*** and custom parts

combo	0,8	2	M3231GCF-SM	SMCG 1/2	n/a	.87	22,2	1.70	43,2	.61	15,5	.21	5,3	.98	24,9
	6,0	1													
combo	0,8	5	M3231GCP-SM	SMCG 1/2	n/a	.87	22,2	1.70	43,2	.61	15,5	.21	5,3	.98	24,9
	6,0	1													
combo	3,3	6	M8437GCC-SM	SMCG 1	n/a	1.33	33,8	2.41	61,2	.76	19,3	.30	7,6	1.73	43,9
	8,3	3													
custom	4,8	4	M3200GCQ-SM	SMCG LL 1/2	n/a	.87	22,2	1.68	42,7	.44	11,2	.25	6,4	1.06	27,0

Standard color black.

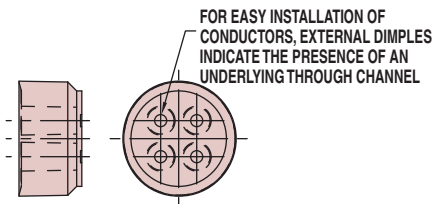
* AWG 10 and 12 for both USE-2 and PV 1000

** 8 AWG USE-2 Wire.

*** Combo parts for mixed conductor sizes and numbers. Consult Heyco for your particular Combo.

Metal Locknuts INCLUDED.

Don't see the Break-Thru configuration you need? Consult Heyco for your particular Conductor Size/Number and Hub configuration; or for additional Gland/Hub permutations not shown. Our Axcell Rapid Response Team is ready to meet your design requirements.



Break-Thru™ Skinned-over Gland (typical)

Material	Nylon 6/6 with TPE Sealing Gland
Certifications	UL Listed under Underwriters' Laboratories File E51579 cULus Recognized under the Component Program of Underwriters' Laboratories File E51579 to both Canadian and U.S. requirements CS Certified by the Canadian Standards Association File 93876
Flammability Rating	94V-2 Standard
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