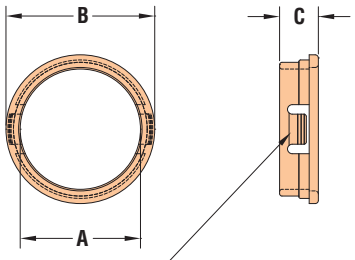
Heyco® Thin Panel Bushings

Multiple Locking Steps for Panels as Thin as .020˝ (0,5 mm)
Mounting Hole Diameter Range: .218˝ (5,5 mm) to .875˝ (22,2 mm)*

- **For use in panels as thin as .020˝ (0,5 mm).**
- Convert raw-edged holes to smooth, neat, insulated holes.
- Insulate and mechanically protect electrical and telecommunications cables, 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 .218˝ (5,5 mm) to .875˝ (22,2 mm) diameter holes.

PANEL DIMENSIONS: Thickness at Locking Finger Steps (in.)	PANEL DIMENSIONS: Thickness at Locking Finger Steps (mm.)	PANEL DIMENSIONS: Mounting Hole Diameter* (in.)	PANEL DIMENSIONS: Mounting Hole Diameter* (mm.)	PART NO. Black	PART NO. White	DESCRIPTION	PART DIMENSIONS: A Inside Diameter (in.)	PART DIMENSIONS: A Inside Diameter (mm.)	PART DIMENSIONS: B Head Diameter (in.)	PART DIMENSIONS: B Head Diameter (mm.)	PART DIMENSIONS: C Overall Height (in.)	PART DIMENSIONS: C Overall Height (mm.)
Three Steps to .048˝ (1,2 mm) Thick												
.020 .032 .048	0,5 0,8 1,2	.218	5,5	2859N	2860N	B 218-125N	.13	3,2	.28	7,1	.24	6,0
		.250	6,4	2003N	2004N	B 250-187N	.19	4,7	.31	7,9		
		.281	7,1	2853N	2854N	B 281-218N	.22	5,6	.34	8,7		
		.312	7,9	2810N	2811N	B 312-250N	.25	6,3	.38	9,5		
		.343	8,7	2856N	2857N	B 343-218N	.22	5,6	.41	10,3	.25	6,4
		.375	9,5	2803N	2804N	B 375-250N	.25	6,3	.44	11,1		
Five Steps to .064˝ (1,6 mm) Thick												
.020	0,5	.500	12,7	2820N	2821N	B 500-375N	.38	9,5	.56	14,3	.25	6,4
.032	0,8	.625	15,9	2827N	2828N	B 625-500N	.50	12,7	.70	17,9		
.040	1,0	.750	19,1	2836N	2837N	B 750-625N	.63	15,9	.83	21,1		
.064	1,6	.875	22,2	2850N	2851N	B 875-750N	.75	19,0	.95	24,0		

Standard colors black and white. Consult Heyco for other colors.
*Consult Heyco for other mounting hole diameters. Our Axcell Rapid Response Team is ready to meet your requirements.



MULTIPLE FINGER STEPS FOR TIGHT, FINISHED PANEL FIT.

Heyco® Thin Panel versus Shorty Bushings

Choose from Multiple Locking Steps, for the Fit and Finish Your Application Requires

Mounting Hole Diameter (in.)	Mounting Hole Diameter (mm.)	PANEL DIMENSIONS Maximum Thickness Locking Steps (inches/millimeters) .020 0,5	.032 0,8	.040 1,0	.048 1,2	.064 1,6	PART NO. Black	PART NO. White	DESCRIPTION
.218	5,5	x	x		x		2859N	2860N	B 218-125N
						x	2859	2860	B 218-125
.250	6,4	x	x		x		2003N	2004N	B 250-187N
.281	7,1	x	x		x		2853N	2854N	B 281-218N
						x	2853	2854	B 281-218
.312	7,9	x	x		x		2810N	2811N	B 312-250N
						x	2810	2811	B 312-250
.343	8,7	x	x		x		2856N	2857N	B 343-218N
						x	2856	2857	B 343-218
.375	9,5	x	x		x		2803N	2804N	B 375-250N
						x	2803	2804	B 375-250
.500	12,7	x	x	x	x	x	2820N	2821N	B 500-375N
						x	2820	2821	B 500-375
.625	12,7	x	x	x	x	x	2827N	2828N	B 625-500N
						x	2827	2828	B 625-500
.750	19,1	x	x	x	x	x	2836N	2837N	B 750-625N
						x	2836	2837	B 750-625
.875	22,2	x	x	x	x	x	2850N	2851N	B 875-750N
						x	2850	2851	B 875-750

Quick Specs

Material	Nylon 6/6
Certifications	Recognized under the Component Program of Underwriters' Laboratories, File E15331 Certified by Canadian Standards Association, File 8919
Flammability Rating	94V-2
Temperature Range	-.4°F (-18°C) to 221°F (105°C)

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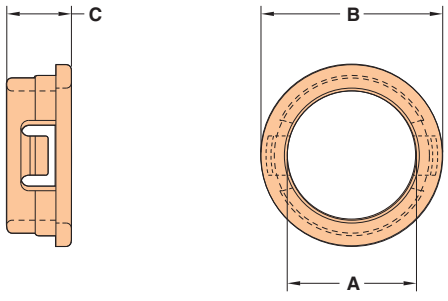
Heyco® Shorty Bushings

Single Locking Step for Panel Thickness up to .062˝ (1,6 mm)
Mounting Hole Diameter Range: .187˝ (4,7 mm) to 1.093˝ (27,8 mm)

MOUNTING HOLE DIAMETER		PART NO.		DESCRIPTION	PART DIMENSIONS					
					A Inside Diameter		B Head Diameter		C Overall Height	
in.	mm.	Black	White		in.	mm.	in.	mm.	in.	mm.
.187	4,7	**2800**	**2801**	B 187-125	.13	3,2	.25	6,4		
.218	5,5	**2859**	**2860**	B 218-125	.13	3,2	.28	7,1		
.281	7,1	**2853**	**2854**	B 281-218	.22	5,5	.34	8,7	.24	6,0
.307	7,8	**2808**	**2809**	B 307-244	.24	6,2	.38	9,7		
.312	7,9	**2810**	**2811**	B 312-250	.25	6,3	.38	9,7		
.343	8,7	**2856**	**2857**	B 343-218	.22	5,5	.41	10,3		
.375	9,5	**2803**	**2804**	B 375-250	.25	6,3	.44	11,1		
.390	9,9	**2815**	**2816**	B 390-265	.27	6,7	.43	10,9		
.406	10,3	**2806**	**2807**	B 406-281	.28	7,1	.47	11,9		
.437	11,1	**2813**	**2814**	B 437-312	.31	7,9	.50	12,7		
.468	11,9	**2817**	**2818**	B 468-343	.34	8,6	.53	13,5		
.500	12,7	**2820**	**2821**	B 500-375	.38	9,5	.56	14,3	.25	6,4
.512	13,0	**2822**	**2823**	B 512-375						
.531	13,5	**2824**	**2825**	B 531-406	.41	10,3	.59	15,1		
.593	15,1	**2833**	**2834**	B 593-468	.47	11,9	.66	16,7		
.625	15,9	**2827**	**2828**	B 625-500	.50	12,7	.70	17,9		
.687	17,4	**2832**	**2835**	B 687-562	.57	14,4	.76	19,3		
.750	19,1	**2836**	**2837**	B 750-625	.63	15,9	.83	21,0		
.781	19,8	**2844**	**2845**	B 781-625	.63	15,9	.86	21,8		
.875	22,2	**2850**	**2851**	B 875-750	.75	19,0	.94	23,9		
1.000	25,4	**2847**	**2848**	B 1000-875	.88	22,3	1.06	27,0		
1.093	27,8	**2838**	**2839**	B 1093-969	.97	24,6	1.16	29,4	.26	6,5

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

- **For use in panels .062˝ (1,6 mm) and thinner.**
- Lower overall height protrudes less through thin mounting panels; thus Shorty Bushings occupy less "real estate" inside your application.
- Insulating feed-thru bushings for limited internal clearance (minimum .125˝ (3,2 mm) applications.
- Insulate and isolate electric or telecommunications cables as well as low RPM shafts and push-pull rods.
- Locking fingers hold securely after only fingertip pressure snap-in installation.
- Locking fingers in fractional increments up to the maximum panel thickness.
- Available in multiple sizes for use in mounting holes from .187˝ (4,7 mm) to 1.093˝ (27,8 mm).



SINGLE PANEL DESIGN (PANEL MAY BE THINNER)

Material	Nylon 6/6
Certifications	Recognized under the Component Program of Underwriters' Laboratories, File E15331
	Certified by Canadian Standards Association, File 8919
Flammability Rating	94V-2
Temperature Range	-.4°F (-18°C) to 221°F (105°C)

Quick Specs