

Bushings, Nipples, Locknuts and Plugs

Provides smooth, rounded insulation surface for easy wire pulling!

Knockout Bushings

- Quickly snaps into outlet box, switch box or other enclosure left vacant by wiring modifications or maintenance changes
- High-impact polycarbonate, one-piece construction
- Easily installed by hand
- UL Listed 105° C

Application

- To provide smooth, rounded knockout openings in metal boxes or enclosures

Features

- One-piece construction designed to snap in place
- High-impact strength, self extinguishing, non-dripping (per UL 94) polycarbonate construction

Standard Material

Polycarbonate rated for 105° C (221° F) application

Standard Finish

As molded

Range

.875" through 2.469" nominal diameter knockout opening (½" through 2" trade size knockouts)

Wall thickness of box or enclosure

.095" max. up to 1" trade size

.140" max. 1¼" through 2" trade size

Listings/Compliances

UL (UL File No. E-3803)

CSA (LR-589,LR-4484)

UL 514B

CSA C22.2 No. 18

NFPA 70-1999 (ANSI)



3210 Series



CAT. NO.	FOR USE IN KO SIZE*	DIMENSION (IN.)	
		B	
3210	.875	.360	
3211	1.109	.360	
3212	1.375	.360	
3213	1.734	.400	
3214	1.984	.520	
3215	2.469	.520	

* Per UL and NEMA standards. Refer to Knockout Plugs table on next page.

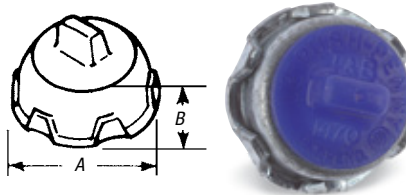
Oxygen index >28° UL 94V-1

UL File No. E-3803 CSA File No. 589

Makes a workman-like seal against grit, plaster and mischief!

Capped Bushings

- Removable with pliers
- ½" through 1¼" sizes in steel
- 1½" and 2" sizes in malleable iron



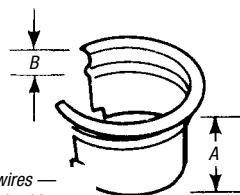
CAT. NO.	SIZE	DIMENSIONS (IN.)	
		A	B
1460	½"	1⅜"	13/32"
1461	¾"	1¼"	7/16"
1462	1"	1⅞"	½"
1463	1¼"	1⅞"	9/16"
1464	1½"	2⅝"	19/32"
1465	2"	2⅝"	¾"

UL File No. E-23018 CSA File No. 2884

Snaps into a regular bushing to make a UL Listed insulated bushing!

INSULINER® Sleeves

- Converts ordinary bushing to code-approved insulated bushing without disturbing wiring
- For use with standard rigid conduit, EMT (thinwall conduit) or any standard bushed outlet
- Especially suited for use with flexible metallic conduit
- High-dielectric nylon material, rated 105° C



Slip over wires —
insert into bushing —
snaps into place



CAT. NO.	SIZE	DIMENSIONS (IN.)	
		A	B
422	½"	5/8"	.025
423	¾"	1⅞"	.025
424	1"	7/8"	.025
425	1¼"	1"	.030
426	1½"	1"	.030
427	2"	1⅞"	.030
428	2½"	1¼"	.040
429	3"	1½"	.040
430	3½"	1⅝"	.055
431	4"	2⅝"	.055
433	5"	2½"	.070
434	6"	2½"	.070

Oxygen index >28° UL File No. E-23018 CSA File No. 589