

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)

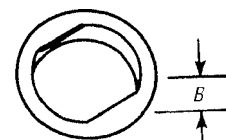
UL 514B

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**.

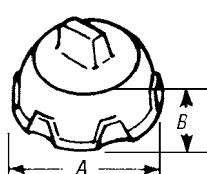
Oxygen index >28° UL 94V-1

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



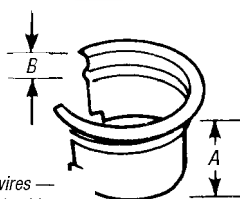
CAT. NO.	SIZE	DIMENSIONS (IN.)	
		A	B
1460	½"	1½/32	1³/32
1461	¾"	1¼	7/16
1462	1"	1¾/16	½
1463	1¼"	1²⁹/32	¾/16
1464	1½"	2⁵/32	1⁹/32
1465	2"	2²¹/32	5/8

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

Snap 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"	1¼/16	.025
424	1"	7/8	.025
425	1¼"	1	.030
426	1½"	1	.030
427	2"	1⅝	.030
428	2½"	1¼	.040
429	3"	1½	.040
430	3½"	1²⁵/32	.055
431	4"	2¹/32	.055
433	5"	2½	.070
434	6"	2½	.070

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

Bushings, Nipples, Locknuts and Plugs

Made from flame-retardant, non-dripping thermoplastic, UL rated 105° C!

Knockout Plugs



Application

- To plug unused knockout openings in a box or enclosure

Features

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

Standard Material

Thermoplastic 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. through 2" trade size

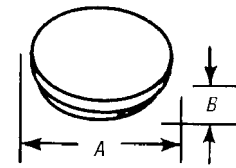
Listings/Compliances

UL (UL File No. E13938)

CSA (LR589)

UL 514B

NFPA 70



105° C rated by UL. Made from flame retardant, non-dripping thermoplastic.



CAT. NO.	SIZE	DIMENSION (IN.)	
		A	B
1451	½"	1.060	.400
1452	¾"	1.300	.400
1453	1"	1.590	.400
1454	1¼"	1.860	.450
1455	1½"	2.240	.570
1456	2"	2.740	.570

Wall thickness of electrical box .095 max.

Meets Coast Guard Regulation CB293.

UL File No. E-13938 CSA File No. 4484

Eliminates need for separate capped bushing or steel penny and bushing!

Push-Penny® Plugs

Application

- To plug open end of conduit or connector in order to prevent ingress of trash, dirt or moisture during construction and remodeling

Features

- Wide range of applications; can be used with rigid metal conduit, intermediate metal conduit, electrical metallic tubing, all connectors and all bushings
- Designed to stand up to normal handling and is functionally unaffected by moisture
- Economically seal out grout and plaster from any fitting or raceway conforming to CSA dimensional tolerances
- Just push into place
- Pressure holds plug fast against internal surface of fitting or raceway
- Made of flexible plastic

Standard Material

Polyethylene

Standard Finish

As molded

Listings/Compliances

CSA (LR2884, LR4484)

UL 514B

CSA C22.2 No. 18

NFPA 70

NEMA FB1



CAT. NO.	SIZE
1470	½"
1471	¾"
1472	1"
1473	1¼"
1474	1½"
1475	2"
1476*	2½"
1477*	3"
1478*	3½"
1479*	4"

*Not CSA Certified.

CSA File No. 2884

UL not applicable.

Made to fit any bushing!

Steel Pennies

- Used under a bushing to seal end of conduit during construction
- Completely salvageable



CAT. NO.	SIZE
815-TB	½"
816	¾"
817	1"
818	1¼"
819	1½"
820	2"

CAT. NO.	SIZE
821	2½"
822	3"
824	3½"
823	4"

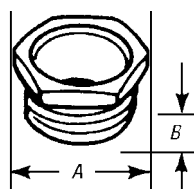
UL not applicable.

CSA File No. 2884

Bushings, Nipples, Locknuts and Plugs

Bush holes in metal boxes or enclosures!

CHASE® Nipples



- 3/8" and 1/2" sizes in steel
- 3/4" to 6" sizes in malleable iron
- 1/2" to 4" sizes in copper-free aluminum

CAT. NO.		SIZE	DIMENSIONS (IN.)	
STL. OR M.I.	ALUM.		A	B
841TB	—	3/8"	15/16	7/16
842TB	842ALTB†	1/2"	1 1/16	43/64
843TB	843ALTB	3/4"	1 3/8	19/32
844	844AL†	1"	1 11/16	3/4
845	845AL†	1 1/4"	2 1/32	25/32
846	846AL	1 1/2"	2 5/8	1 1/16
847	847AL	2"	2 15/16	3 1/32
848	848AL	2 1/2"	3 3/16	1 1/8
849	849AL	3"	4 3/8	1 1/4
850	850AL	3 1/2"	5 1/8	1 1/16
851	851AL	4"	5 5/8	1 1/8
853	—	5"	6 1/2	1 1/16
854	—	6"	7 7/8	1 3/8

† Not UL Listed

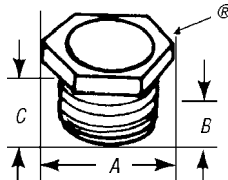
Available with DURA-PLATE® Finish.

UL File No. E-23018

CSA File No. 2884

Nylon insulator offers extra protection!

CHASE® Nipples — Nylon-Insulated



- 3/8" and 1/2" sizes in steel
- 3/4" to 6" sizes in malleable iron
- 1/2" to 6" sizes in copper-free aluminum
- Look for the unique T&B blue color ensuring the highest quality fitting available

CAT. NO.	SIZE	DIMENSIONS (IN.)		
		A	B	C
1942	1/2"	1 1/64	7/16	19/32
1943	3/4"	1 3/8	17/32	23/32
1944	1"	1 11/16	2 1/32	3/8
1945	1 1/4"	2 1/32	2 5/32	1 1/32
1946	1 1/2"	2 5/8	1 3/16	1 3/32
1947	2"	2 15/16	3 1/32	1 1/32
1948	2 1/2"	3 3/16	1 1/16	1 1/16
1949	3"	4 3/8	1 3/16	1 9/32
1950	3 1/2"	5 1/8	1 3/16	1 25/32
1951	4"	5 5/8	1 3/16	1 19/16
1953	5"	6 3/8	1 3/16	1 19/16
1954	6"	7 7/8	1 3/8	1 1/8

UL File No. E-23018

CSA File No. 2884

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Standard Material

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Standard Finish

As molded

Range

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Wall thickness of box or enclosure

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.140" max. 1¼" through 2" trade size

Listings/Compliances

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CSA (LR-589,LR-4484)

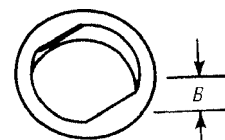
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* Per UL and NEMA standards. Refer to Knockout Plugs table on **next page**.

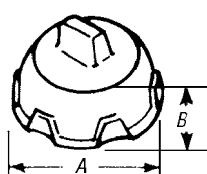
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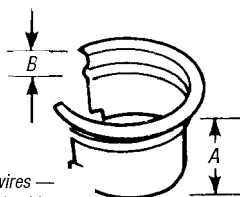
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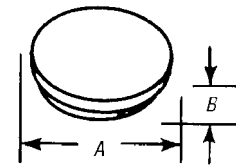
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- Just push into place
- Pressure holds plug fast against internal surface of fitting or raceway
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Standard Material

Polyethylene

Standard Finish

As molded

Listings/Compliances

CSA (LR2884, LR4484)

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NFPA 70

NEMA FB1



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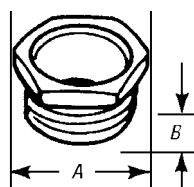
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844	844AL†	1"	1 11/16	3/4
845	845AL†	1 1/4"	2 1/32	25/32
846	846AL	1 1/2"	2 3/8	1 1/16
847	847AL	2"	2 15/16	3 1/32
848	848AL	2 1/2"	3 3/16	1 1/8
849	849AL	3"	4 3/8	1 1/4
850	850AL	3 1/2"	5 1/8	1 1/16
851	851AL	4"	5 7/8	1 1/8
853	—	5"	6 1/2	1 1/16
854	—	6"	7 3/8	1 3/8

† Not UL Listed

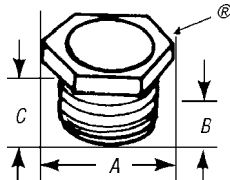
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1945	1 1/4"	2 1/32	2 3/32	1 1/32
1946	1 1/2"	2 3/8	1 3/16	1 3/32
1947	2"	2 15/16	3 1/32	1 11/32
1948	2 1/2"	3 3/16	1 1/16	1 1/16
1949	3"	4 3/8	1 3/16	1 9/32
1950	3 1/2"	5 1/8	1 3/16	1 25/32
1951	4"	5 7/8	1 3/16	1 19/16
1953	5"	6 3/8	1 3/16	1 19/16
1954	6"	7 3/8	1 3/8	1 1/8

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