

BUSHINGS AND GROMMETS



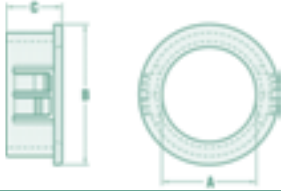


Snap Bushings



These nylon bushings convert raw-edged holes to smooth, neat, insulated ones. Special locking “fingers” allow the bushings to snap into holes with fingertip pressure. Mechanically protect, insulate, and isolate telecommunications and electrical cables, tubing, hose, rope and utility lines.

SB312-3, SB375-4 and SB437-4 are also available as brass-coloured parts for lamp and lighting applications.



Part No.	Mounting Hole Diameter	A Inside Diameter	B Head Diameter	C Overall Height	Max. Chassis Thickness	Minimum Order Quantity
SB250-040*	.250	.125	.312	.312	.040	1,000
SB250-2*	.250	.125	.312	.312	.062	1,000
SB312-3*	.312	.187	.375	.312	.062	1,000
SB375-3	.375	.187	.468	.406	.125	1,000
SB375-4	.375	.250	.468	.406	.125	1,000
SB375-281*	.375	.281	.468	.406	.172	1,000
SB437-4	.437	.270	.531	.406	.125	1,000
SB437-5	.437	.312	.531	.406	.125	1,000
SB437-243	.437	.243 ^{+0.015,-.000}	.531	.406	.125	1,000
SB500-4	.500	.250	.578	.406	.125	1,000
SB500-5	.500	.312	.578	.406	.125	1,000
SB500-6	.500	.391	.578	.406	.125	1,000
SB562-5	.562	.312	.656	.406	.125	1,000
SB562-6	.562	.391	.656	.406	.125	1,000
SB562-7	.562	.437	.656	.406	.125	1,000
SB625-4	.625	.250	.718	.406	.125	1,000
SB625-7	.625	.437	.718	.406	.125	1,000
SB625-8	.625	.500	.718	.406	.125	1,000
SB625-500*	.625	.500 ^{+0.015,-.000}	.703	.531	.280	1,000
SB687-8	.687	.500	.781	.406	.125	1,000
SB687-9	.687	.562	.781	.406	.125	1,000
SB750-6	.750	.391	.843	.406	.125	1,000
SB750-8	.750	.500	.843	.406	.125	1,000
SB750-9	.750	.562	.843	.406	.125	1,000
SB750-10	.750	.609	.843	.406	.125	1,000

Standard colour: Black. White and other colours available at premium charge if quantities are sufficient.

Continued

*Depicts single chassis design.



Snap Bushings CONTINUED

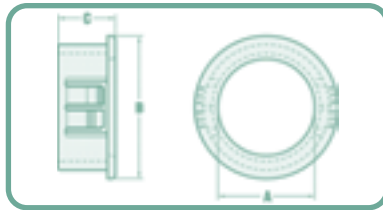
Part No.	Mounting Hole Diameter	A Inside Diameter	B Head Diameter	C Overall Height	Max. Chassis Thickness	Minimum Order Quantity
SB750-625*	.750	.625 ^{+.015} _{-.000}	.828	.531	.250	1,000
SB812-9	.812	.562	.890	.406	.125	1,000
SB812-10	.812	.625	.890	.406	.125	1,000
SB875-6	.875	.375	.953	.453	.125	1,000
SB875-7	.875	.437	.953	.453	.125	1,000
SB875-8	.875	.500	.953	.453	.125	1,000
SB875-9	.875	.562	.953	.453	.125	1,000
SB875-10	.875	.625	.953	.453	.125	1,000
SB875-11	.875	.687	.953	.453	.125	1,000
SB1000-12	1.000	.766	1.125	.453	.125	500
SB1093-13	1.093-1.125	.812	1.218	.453	.125	500
SB1093-14	1.093-1.125	.875	1.218	.453	.125	500
SB1093-15	1.093-1.125	.937	1.218	.453	.125	500
SB1187-15	1.187	.937	1.312	.453	.125	500
SB1250-15	1.250	.937	1.359	.453	.125	500
SB1250-16	1.250	1.000	1.310	.453	.125	500
SB1375-14	1.375	.875	1.468	.453	.125	500
SB1375-16	1.375	1.000	1.468	.453	.125	500
SB1500-17	1.500	1.062	1.609	.453	.125	500
SB1500-18	1.500	1.125	1.609	.453	.125	500
SB1500-21	1.500	1.312	1.609	.453	.125	500
SB1750-22	1.750	1.375	1.875	.453	.125	300
SB2000-26	2.000	1.640	2.125	.453	.125	300
SB2000-28	2.000	1.750	2.125	.453	.125	300
SB2093-29	2.093	1.813	2.350	.720	.250	300
SB2.25-29	2.250	1.860	2.480	.720	.250	100
SB2.5-31	2.500	1.970	2.660	.720	.250	100
SB3.0-39	3.000	2.470	3.160	.720	.250	100
SB3375-45	3.375	2.812	3.660	.720	.250	100
SB3.5-47	3.500	2.940	3.660	.720	.250	100
SB4.0-55	4.000	3.480	4.170	.720	.250	100
SB5.0-75	5.000	4.375	5.219	.740	.250	150
SB6.0-86	6.000	5.375	6.219	.740	.250	130

Standard colour: Black. White and other colours available at premium charge if quantities are sufficient.

*Depicts single chassis design.



Snap Bushings for Thicker Panels



Has the same application as the snap bushings but can accommodate a thicker panel.

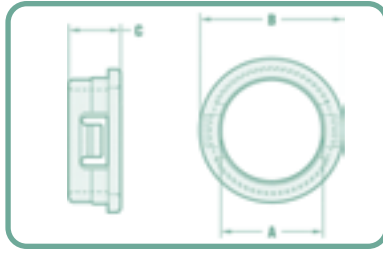
Locking fingers snap into holes with fingertip pressure. Withstands a push-back force of 35 pounds.

Part No.	Mounting Hole Diameter	A Inside Diameter	B Head Diameter	C Overall Height	Max. Chassis Thickness	Minimum Order Quantity
SBT500-6	.500	.391	.578	.562	.250	1,000
SBT875-11	.875	.687	.953	.562	.250	1,000
SBT1000-12	1.000	.766	1.125	.562	.250	1,000
SBT1093-15	1.093 -1.125	.937	1.218	.562	.250	1,000
SBT1187-15	1.187	.937	1.312	.562	.250	1,000
SBT1250-16	1.250	1.000	1.310	.562	.250	500
SBT1375-16	1.375	1.000	1.500	.562	.250	500
SBT1500-21	1.500	1.312	1.620	.562	.250	500
SBT1750-22	1.750	1.375	1.875	.562	.250	500
SBT2000-26	2.000	1.625	2.125	.562	.250	500

Standard colour: **Black.** White and other colours available at premium charge if quantities are sufficient.



Shorty Bushings



All the same features as the standard snap bushings but can accommodate a smaller chassis thickness.

Locking fingers securely snap into holes with fingertip pressure.

Ask about our Labkit 2 containing an assortment of shorty and snap bushings for R & D purposes.

Part No.	Mounting Hole Diameter	A Inside Diameter	B Head Diameter	C Overall Height	Max. Chassis Thickness	Minimum Order Quantity
B187-125	.187	.125	.250	.234	.062	1,000
B218-125	.218	.125	.281	.234	.062	1,000
B281-218	.281	.218	.343	.234	.062	1,000
B312-250	.312	.250	.375	.234	.062	1,000
B343-218	.343	.218	.406	.250	.062	1,000
B375-250	.375	.250	.437	.250	.062	1,000
B406-281	.406	.281	.468	.250	.062	1,000
B437-312	.437	.312	.500	.250	.062	1,000
B468-343	.468	.343	.530	.250	.062	1,000
B500-375	.500	.375	.562	.250	.062	1,000
B531-406	.531	.406	.593	.250	.062	1,000
B593-468	.593	.468	.656	.250	.062	1,000
B625-500	.625	.500	.703	.250	.062	1,000
B750-625	.750	.625	.828	.250	.062	1,000
B781-625	.781	.625	.859	.250	.062	1,000
B875-750	.875	.750	.937	.250	.062	1,000
B1000-875*	1.000 +.010 -.000	.879	1.060	.250	.062	1,000

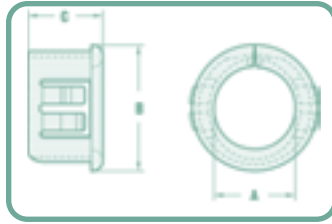
Standard colour: **Black.**

White and other colours available at premium charge if quantities are sufficient.

*UL and CSA approval pending.



Open/Closed Bushings



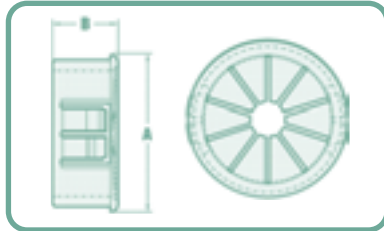
A black nylon bushing for side entry and encirclement of pre-assembled harnesses, capillary tubes or other units that have sections larger than the bushing's ID. Can also be assembled into holes that already contain cable or tubing. Fingertip pressure snaps the bushing into the mounting hole, forming a complete circle and insulation barrier against the raw edge of the chassis hole.

Part No.	Mounting Hole Diameter	A Inside Diameter	B Head Diameter	C Overall Height	Max. Chassis Thickness	Minimum Order Quantity
OCB375	.375	.265	.421	.390	.125	1,000
OCB437	.437	.312	.500	.406	.125	1,000
OCB500	.500	.312	.562	.406	.125	1,000
OCB562	.562	.390	.640	.406	.125	1,000
OCB625	.625	.453	.687	.406	.125	1,000
OCB750	.750	.546	.796	.406	.125	1,000
OCB875	.875	.671	.921	.406	.125	1,000
OCB1000	1.000	.812	1.047	.406	.125	500
OCB1093	1.093	.875	1.156	.406	.125	1,000
OCB1250	1.250	1.046	1.343	.406	.125	500
OCB1375	1.375	1.171	1.468	.406	.125	500
OCB1500	1.500	1.250	1.578	.421	.125	500

Standard colour: Black. White and other colours available at premium charge if quantities are sufficient.

Universal Bushings

UNIVERSAL



These nylon bushings absorb vibration, cushion and insulate cables, tubing, hoses or shafts. They feature flexible shutters which adjust to accommodate and support any shape. Easily locked into mounting hole with simple fingertip pressure.

The Shorty Universal Bushing is ideal for a thinner chassis thickness.

Part No.	Mounting Hole Diameter	Maximum Inside Diameter	A Head Diameter	B Overall Height	Max. Chassis Thickness	Minimum Order Quantity
UB500	.500	.312	.600	.385	.125	1,000
UB625	.625	.437	.718	.406	.125	1,000
UB750	.750	.500	.844	.390	.125	1,000
UB812	.812	.500	.890	.390	.125	1,000
UB875	.875	.562	.937	.453	.125	1,000
UB1000	1.000	.750	1.063	.453	.125	500
UB1093	1.093	.812	1.156	.453	.125	500
UB1375	1.375	1.000	1.490	.453	.125	500
UB1500	1.500	1.062	1.610	.450	.125	500

Standard colour: Black. White and other colours available at extra charge if quantities are sufficient.

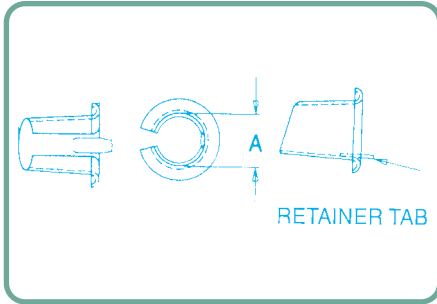
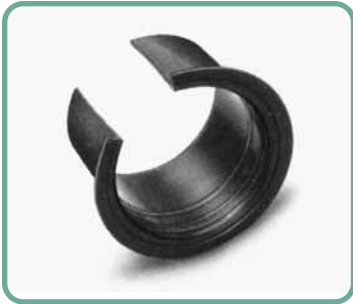
SHORTY UNIVERSAL

Part No.	Mounting Hole Diameter	Maximum Inside Diameter	A Head Diameter	B Overall Height	Max. Chassis Thickness	Minimum Order Quantity
SUB500	.500	.312	.600	.250	.062	1,000
SUB625	.625	.437	.729	.250	.062	1,000
SUB750	.750	.500	.859	.250	.062	1,000
SUB875	.875	.560	.937	.250	.062	1,000
SUB1000	1.000 +.01 -.00	.750	1.063	.453	.062	1,000

Standard colour: Black. White and other colours available at extra charge if quantities are sufficient.



Armour (Anti-Short) Bushings



Used at entrance to flexible metallic conduit or armoured cable. Insulates and protects electrical wires from being cut by rough conduit ends. Chamfered lead-in allows for fast installation. Also used in holes through which ropes and steel cables pass, to prevent chafing, cutting or scraping, where bushing space is very limited. Suitable for installation at temperatures as low as -40°F.

Part No.	Will Fit These Armoured Cables	Fits Cable ID	A Inside Dia.
AB0	14/2, 14/3, 12/2, 12/3	.29 -.33	.37
AB1	14/4, 6/1, 4/1,	.33 -.42	.44
AB2	12/4, 10/2, 10/3, 2/1	.43 -.57	.57
AB3	10/4, 8/2, 8/3, 1/1	.58 -.72	.73

Minimum order 1000.
Standard colour: Red.

BUSHING ASSORTMENT LABKIT



Our labkits are perfect for product design departments, experimental labs and for all prototype work.

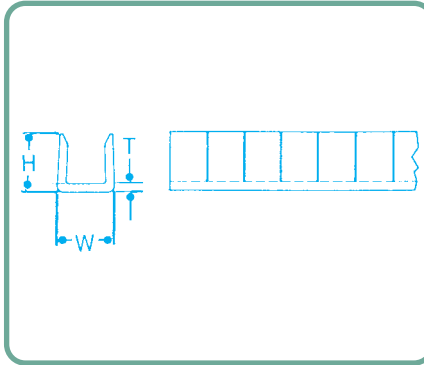
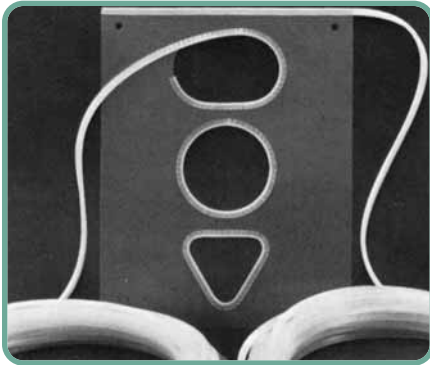
LABKIT 2 is an assortment of bushings with approximately the following quantities and part numbers. (Content may vary.)

25 each	SB250-2, B312-250, SB375-4, OCB375, SB437-5
20 each	SBT500-6, UBT500
15 each	OCB500, UB625
10 each	OCUB625, B875-750, SUB875
8 each	OCUB750, UB875
4 each	SBT1093-15, SB1000-12, SB1375-16
2 each	SB1750-22



Grommeting

EXTRUDED SERRATED POLYETHYLENE



Use grommeting to protect tubes, wires and cables from becoming frayed or cut by sharp panel edges. Makes bushings for all sizes and shapes of panel cutouts in sheet metal, glass, wood panels or other sheet-form materials. No tools required—just cut to size and insert. Depending on the panel thickness, grommeting may grip tightly by itself, or it may need a touch of epoxy to keep it in place.

Part No.	Max. Chassis Thickness	H	W	T
GRPE 40	.040	.190	.125	.040
GRPE 52	.052	.190	.125	.040
GRPE 62	.062	.200	.170	.045
GRPE 85	.085	.200	.170	.045
GRPE 100	.100	.220	.210	.045
GRPE 125	.125	.220	.205	.050
GRPE 187	.187	.270	.275	.050
GRPE 250	.250	.280	.370	.050

Minimum order 1 roll. Sold in rolls of 100 ft. only.
Standard colour: Natural.

CONTINUOUS SERRATED NYLON

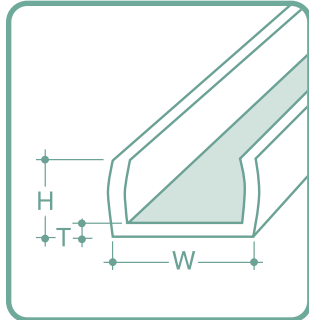
Part No.	Max. Chassis Thickness	H	W	T
GR 40	.040	.190	.125	.040
GR 52	.052	.190	.125	.040
GR 62	.062	.200	.170	.045
GR 85	.085	.200	.170	.045
GR 100	.100	.220	.210	.045
GR 125	.125	.220	.205	.050
GR 187	.187	.270	.272	.050
GR 250	.250	.280	.370	.050

Minimum order 1 roll. Sold in rolls of 100 ft. only.
Standard colour: Black or natural white. Specify colour when ordering.



Grommeting CONTINUED

EXTRUDED UNSERRATED POLYETHYLENE



Part No.	Max. Chassis Thickness	H	W	T
GRUPE 40	.040	.190	.125	.040
GRUPE 52	.052	.190	.125	.040
GRUPE 62	.062	.200	.170	.045
GRUPE 85	.085	.200	.170	.045
GRUPE 100	.100	.220	.210	.045
GRUPE 125	.125	.220	.205	.050
GRUPE 187	.187	.270	.275	.050
GRUPE 250	.250	.280	.370	.050

Minimum order 1 roll. Sold in rolls of 100 ft. only.

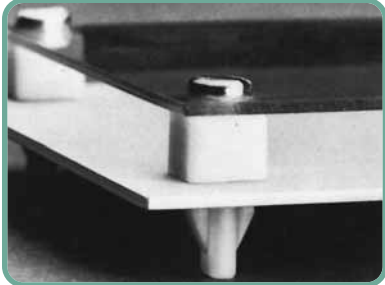
Standard colour: Natural.

*Browse our index to get an idea of the range of products we carry.
And see our line card on page 218.*



Grommets

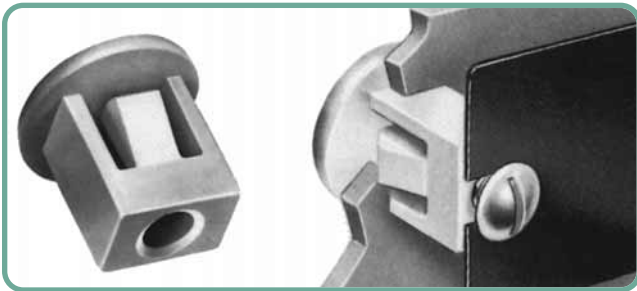
ENCLOZ[®] SCREW



Front mounted grommets provide added thread engagement and increased bearing area. Non-conductive parts fully encapsulate metal screws, providing electrical insulation and protecting against temperature/moisture transfer and exposed screw points.

Accommodates variations in hole size and panel thicknesses. Panel thickness ranges from .020 to .140 and accepts a #8 or #10 screw.

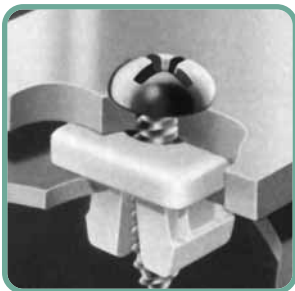
ENCLOZ[®] REVERSE



Ideal when components are fastened from the opposite side of the panel. Snap-in grommet covers the screw point with an attractive, decorative head.

Accepts a #8 screw.

PLASTI-GROMMETS[™]

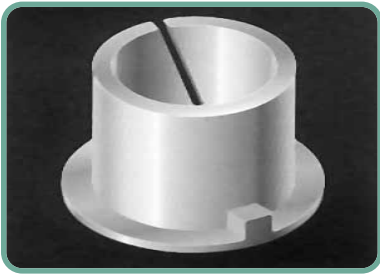


One-piece, non-corrosive nylon, self-retaining blind screw receptacle spreads load over wide area for strength and high load bearing capacity. Front snap-in. Insulate at fastening points, protect against electrolytic action, eliminate cross threading.

Choose from different panel hole sizes, panel thickness ranges, screw sizes, head sizes or prong lengths.



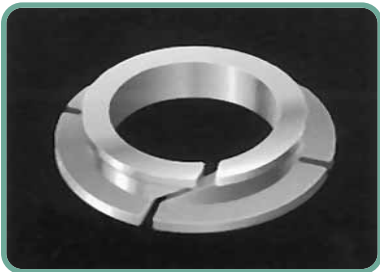
Bearing Bushings



With positioning key



Without positioning key



Snap-in bearing

These bearing bushings offer easy, fast assembly. The axial slot helps maintain proper fit and compensates for temperature or humidity changes. Bearings perform effectively from -40°F to $+200^{\circ}\text{F}$.

Bearing load ratings up to 8000 PSI and speed ratings up to 2000 feet per minute ensure durability.

Bearings are suitable for a wide range of applications such as vending machines, printers and home appliances.

They are available as a flanged bearing with or without a positioning key or as a snap-in bearing.