






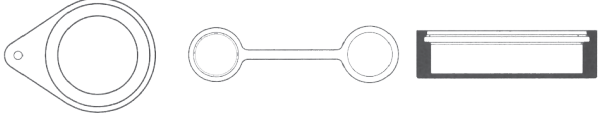

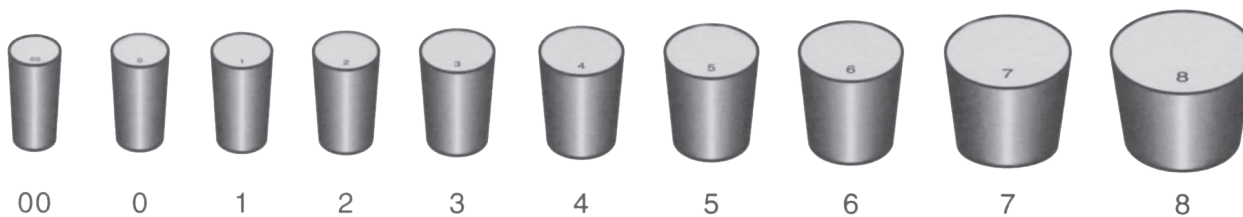


# CAPS & PLUGS

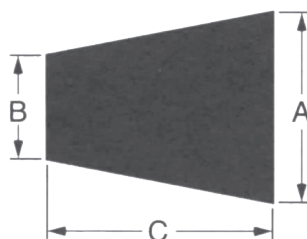
## 12

<b>Laboratory Stoppers</b>		<b>Pg. 50</b>
<b>Tips &amp; Caps</b>		<b>Pg. 51</b>
<b>Vinyl/Polyethylene Tips &amp; Caps</b>		<b>Pg. 53</b>
<b>Vinyl Caps &amp; Plugs</b>		<b>Pg. 54</b>
<b>Tapered Caps &amp; Plugs</b>		<b>Pg. 55</b>
<b>Nylon Locking Hole Plugs</b>		<b>Pg. 56</b>
<b>Miscellaneous Rubber Tips &amp; Caps</b>		<b>Pg. 57</b>
<b>Miscellaneous Rubber Caps</b>		<b>Pg. 59</b>
<b>Load-Bearing Furniture Glides</b>		<b>Pg. 60</b>

ILLUSTRATIONS BELOW NOT TO SCALE



NOTE: Also available with 5mm hole.



Part #	Size	A Top (mm)	B Bottom (mm)	C Length (mm)
12-LS000	000	12	9	18
12-LS00	00	15	10	25
12-LS0	0	17	13	25
12-LS1	1	19	14	25
12-LS2	2	20	16	25
12-LS3	3	24	18	25
12-LS4	4	26	20	25
12-LS5	5	27	23	25
12-LS6	6	32	26	25
12-LS7	7	37	30	25
12-LS8	8	41	33	25
12-LS85	8 ½	43	36	25
12-LS9	9	45	37	25
12-LS95	9 ½	46	38	25
12-LS10	10	50	42	25
12-LS105	10 ½	53	45	25
12-LS11	11	56	48	25
12-LS12	12	64	54	25
12-LS13	13	68	58	25
12-LS135	13 ½	75	62	35
12-LS14	14	90	75	39
12-LS15	15	103	83	39

**Material:** Mixture of natural rubber and SBR (also available in silicone)

**Color:** Black

**Free Sulphur:** ½% (maximum)

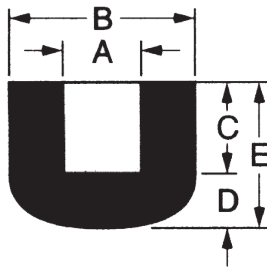
**Duro:** 40 ±5

**Known Impurities:** None

ILLUSTRATIONS BELOW NOT TO SCALE

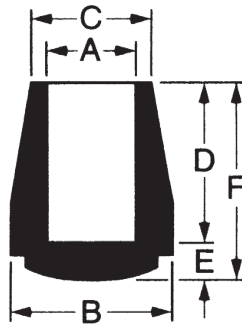
### A VARIETY OF USES...

- Protect threaded surfaces during assembly and shipping
- Ends of tension rods for window and shower curtains
- Caps for small table and chair legs
- Reusable paint and plating masks in metal finishing department
- Provide dust, dirt, and moisture protection on tubing
- Bumper on door stops
- Better slip resistance than plastic



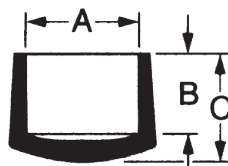
#### Rubber Tips/Caps - Rubber

Part #	A Inside Diameter	B Outside Diameter	C Inside Height	D End Thickness	E Total Height
12-200	5/32	23/64	7/16	1/8	9/16
12-201	7/32	1/2	1/4	7/64	23/64
12-202	1/4	17/32	11/32	1/4	19/32



#### Rubber Tips/Caps - Rubber

Part #	A Inside Diameter	B Outside Diameter	C Neck Diameter	D Inside Height	E End Thickness	F Total Height
12-203	7/32	15/32	3/8	11/16	7/32	29/32
12-204	19/64	15/32	3/8	11/16	7/32	29/32
12-205	13/32	9/16	15/32	11/16	7/32	29/32



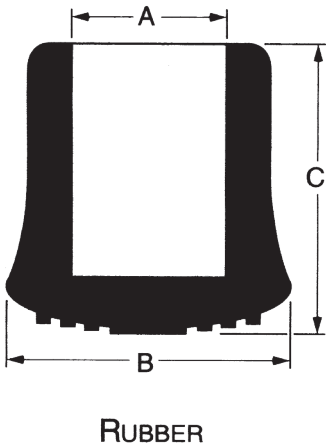
VINYL  
POLYETHYLENE

#### Heavy-Duty Caps

Part #	Material	A Inside Diameter	B Inside Height	C Total Thickness
12-60	Polyethylene	3/8	3/8	1/2
12-61	Vinyl	3/8	3/8	1/2
12-62	Polyethylene	7/16	7/16	17/16
12-63	Vinyl	7/16	7/16	17/16
12-64	Polyethylene	1/2	7/16	9/16
12-65	Vinyl	1/2	7/16	9/16
12-66	Polyethylene	5/8	1/2	5/8
12-67	Vinyl	5/8	1/2	5/8
12-68	Polyethylene	3/4	17/32	11/16
12-69	Vinyl	3/4	17/32	11/16

A heavy-duty plastic cap made in either durable semi-flexible polyethylene or soft flexible vinyl. This cap has varied applications as protective closure on tube or rod. The long-wearing, non-marking qualities have given this cap wide acceptance. Non-skid characteristics of vinyl make caps of this material excellent for use on lightweight items such as tray tables, toy furniture, etc. Available in black.

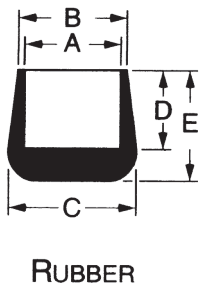
ILLUSTRATIONS BELOW NOT TO SCALE



### Crutch Tips - Standard Series - Rubber

Black Part #	White Part #	Grey Part #	I.D.	O.D. @ Base	Overall Length	Trade Size
12-15B	12-15W	12-15G	3/8	3/4	1 1/4	15
12-16B	12-16W	12-16G	1/2	13/16	1 1/4	16
12-17B	12-17W	12-17G	5/8	1 1/8	1 1/2	17
12-18B	12-18W	12-18G	3/4	1 5/16	1 1/2	18
12-19B	12-19W	12-19G	7/8	1 3/8	1 1/2	19
12-20B	12-20W	12-20G	1	1 9/16	1 1/2	20
12-21B	12-21W	12-21G	1 1/8	1 5/8	1 3/4	21
12-22B	12-22W	12-22G	1 1/4	1 3/4	1 7/16	22

### Furniture Leg Tips - Black Rubber

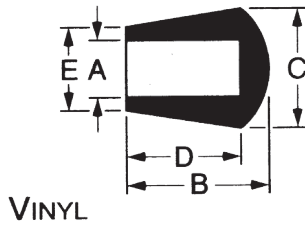


Part #	A	B	C	D	E	Trade Size	Standard Package
12-50	3/32	1/4	1/4	9/32	3/8	1/8" Rod	50
12-51	5/32	1/4	11/32	3/8	1/2	3/16" Rod	50
12-52	7/32	3/8	7/16	7/16	5/8	1/4" Rod	50
12-53	1/4	3/8	7/16	7/16	5/8	9/32" Rod	50
12-54	5/16	1/2	9/16	15/32	21/32	5/16" Rod	50
12-55	3/8	1/2	9/16	15/32	21/32	3/8" Rod	50
12-56	31/64	5/8	11/16	9/16	25/32	1/2" Rod	50
12-57	5/8	3/4	7/8	5/8	7/8	5/8" Rod	50
12-58	3/4	7/8	1	5/8	7/8	3/4" Rod	50

1-800-829-7231 phone

336-272-5619 fax

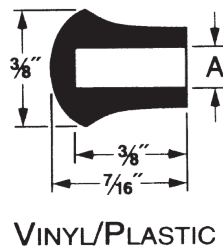
ILLUSTRATIONS BELOW NOT TO SCALE



### Molded Vinyl Tips - Straight Sides

Part #	A	B	C	D	E	Wire Size
12-100	1/4	7/16	13/32	5/16	5/16	3
12-101	1/4	5/8	1/2	1/2	3/8	3
12-102	5/16	5/8	1/2	1/2	3/8	0

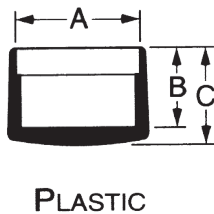
This straight-sided style is extremely smart on modern wrought iron furniture and accessories. Available in various colors. Polyethylene available on special order.



### Molded Tips - Bell

Part #	A	Material	Wire Size
12-103	.125	Polyethylene	11
12-104	.125	Vinyl	11
12-105	.156	Polyethylene	9
12-106	.156	Vinyl	9
12-107	.187	Polyethylene	6
12-108	.187	Vinyl	6

Plastic bell tips are made of durable, flexible vinyl or unbreakable, semi-flexible polyethylene. Non-marking, non-staining on most surfaces. Used for protective and decorative ends.



### Polyethylene Caps

Part #	A	B	C
12-109	3/8	7/16	7/32
12-110	1/2	15/32	9/16
12-111	5/8	1/2	19/32
12-112	3/4	17/32	5/8
12-113	7/8	9/16	21/32
12-114	1	5/8	23/32

This straight-sided style is extremely smart on modern wrought iron furniture and accessories. Available in various colors. Polyethylene available on special order.

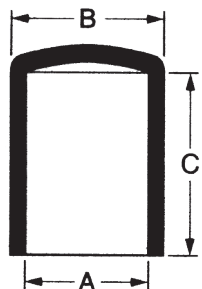


### Dipped Vinyl Tips

Part #	To Fit	A	B
12-116	1/8	.110	13/32
12-117	1/8	.110	17/32
12-118	.135	.121	13/32
12-119	.135	.121	17/32
12-120	5/32	.140	13/32
12-121	5/32	.140	17/32
12-122	3/16	.170	13/32
12-123	3/16	.170	19/32
12-124	1/4	.220	7/16
12-125	5/16	.280	15/32
12-126	3/8	.344	17/32
12-127	1/2	.433	17/32

Dipped tips are used as end caps, thread protection, metal finishing masking, crease fitting protection, color coding, etc.

ILLUSTRATIONS BELOW NOT TO SCALE

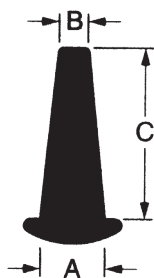


VINYL

### Vinyl Caps

Part #	A	B	C	Color	Shipping Wt. Approx. (lbs)	Pieces per Carton
12-700	.062	.122	5/8	Black	2	5,000
12-701	.080	.140	5/8	Brown	2	5,000
12-702	.093	.153	3/4	Red	3	5,000
12-703	.109	.179	1	Orange	4	5,000
12-704	.125	.195	1	Yellow	5	5,000
12-705	.140	.210	1	Green	7	5,000
12-706	.156	.236	1	Blue	7	5,000
12-707	.172	.252	1	Gray	8	5,000
12-708	.187	.267	1	Black	10	5,000
12-709	.203	.293	1	Brown	11	5,000
12-710	.218	.308	1	Red	13	5,000
12-711	.234	.324	1	Orange	13	5,000
12-712	.250	.350	1	Yellow	13	5,000
12-713	.281	.381	1	Green	15	5,000
12-714	.312	.412	1	Blue	17	5,000
12-715	.343	.443	1	Gray	11	2,500
12-716	.375	.485	1	Black	14	2,500
12-717	.406	.516	1	Brown	14	2,500
12-718	.437	.547	1	Red	15	2,500
12-719	.500	.610	1	Orange	15	2,500
12-720	.531	.646	1	Yellow	16	2,500
12-721	.562	.682	1	Green	18	2,500
12-722	.625	.745	1	Blue	20	2,500
12-723	.687	.807	1	Gray	10	1,000
12-724	.750	.880	1	Black	11	1,000
12-725	.812	.942	1	Brown	11	1,000
12-726	.875	1.005	1	Orange	12	1,000
12-727	.937	1.067	1	Yellow	13	1,000
12-728	1.000	1.030	1	Green	14	1,000

### Vinyl Plugs



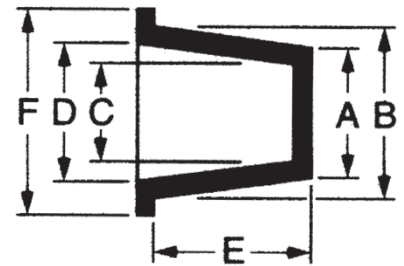
VINYL

Part #	A	B	C	Color	Shipping Wt. Approx. (lbs)	Pieces per Carton
12-800	.150	.070	.625	Red	2	5,000
12-801	.200	.100	.500	Blue	3	5,000
12-802	.250	.140	.750	Green	7	5,000
12-803	.300	.140	1.000	Brown	8	5,000
12-804	.312	.160	.750	Orange	9	5,000
12-805	.312	.187	1.000	Gray	13	5,000
12-806	.343	.187	.750	Red	10	5,000

- High Temperature—temperatures up to 300°F (150°C)
- Non-Shredding—soft vinyl will not crack when stretched

ILLUSTRATIONS BELOW NOT TO SCALE

- Longwood tapered caps and plugs are designed to provide superior protection against contaminants
- Cost effective protection for tubing, threads, and other machined parts.
- Use as shipping and storage protectors, paint masks, and dust and moisture barriers.



PLASTIC

**Specifications:**

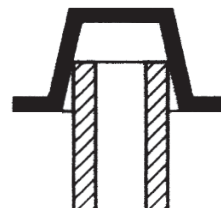
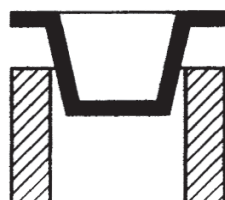
- Standard color: red
- Standard material: Low density polyethylene
- Conforms to MIL-C-5501/7

**Tapered Caps and Plugs**

Part #	A	B	C	D	E	F	Common Application	
							as cap	as plug
12-600	.144	.179	.058	.123	13/32	5/16		
12-601	.139	.204	.083	.148	3/8	3/8		
12-602	.170	.236	.114	.180	3/8	3/8		
12-603	.189	.256	.130	.200	3/8	3/8		
12-604	.206	.270	.150	.214	3/8	7/16		
12-605	.233	.298	.177	.242	3/8	15/32		5/16 st. thrd.
12-606	.294	.361	.238	.305	3/8	17/32	15/64 st. thrd.	3/8 st. thrd.
12-607	.324	.391	.268	.335	3/8	9/16		1/8 N.P.T.
12-608	.356	.424	.300	.368	3/8	19/32		7/16 st. thrd.
12-609	.418	.484	.358	.424	3/8	19/32	1/8 N.P.T	1/4 N.P.T. / 1/2 st. thrd.
12-610	.472	.544	.412	.488	1/2	23/32	1/2 st. thrd.	9/16 st. thrd.
12-611	.526	.607	.470	.551	1/2	3/4	1/4 N.P.T	5/8 st. thrd.
12-612	.546	.626	.490	.570	1/2	25/32	9/16 st. thrd.	3/8 N.P.T.
12-613	.585	.674	.522	.608	17/32	7/8	5/8 st. thrd.	
12-614	.632	.723	.576	.667	1/2	7/8		3/4 st. thrd.
12-615	.686	.784	.630	.728	5/8	15/16		1/2 N.P.T
12-616	.750	.846	.690	.786	5/8	1 1/32		7/8 st. thrd.
12-617	.865	.973	.805	.913	3/4	1 1/8		3/4 N.P.T.
12-618	.964	1.088	.904	1.028	3/4	1 1/4	3/4 N.P.T	
12-619	1.095	1.215	1.035	1.155	3/4	1 1/2		1 N.P.T.
12-620	1.175	1.282	1.115	1.222	3/4	1 7/16		

When **plugging**, "B" Dim. must be at least .020" larger than hole to be plugged.

When **capping**, "C" Dim. must be at least 1% smaller than diameter to be capped (min. .020").



Wider flange is available for added protection for bearing surfaces

# NYLON LOCKING HOLE PLUGS

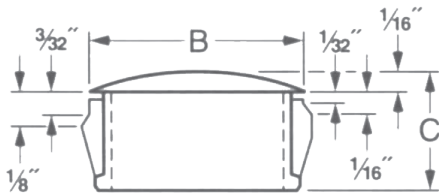


ILLUSTRATIONS BELOW NOT TO SCALE

Longwood nylon locking hole plugs are available in a large selection of sizes from  $\frac{3}{16}$ " to  $\frac{1}{8}$ ".

Longwood locking hole plugs are used to close excess chassis holes, wiring outlets, and production access holes. These hole plugs are molded of heat-stabilized nylon (UL94V2) and may be more suitable for critical or elevated temperature applications.

Longwood vent plugs are available in  $\frac{7}{8}$ " and 1" diameters. Call us at 1-800-829-7231 for color availability.



PLASTIC

Nylon Locking Hole Plugs				
Part #	Chassis Hole Dia.	Max Chassis Thickness	Head Dia. B	Thickness C
12-1000	.187	.062	.250	.234
12-1001	.250	.062	.312	.312
12-1002	.312	.062	.375	.312
12-1003	.375	.125	.468	.406
12-1004	.437	.125	.531	.406
12-1005	.500	.125	.578	.406
12-1006	.562	.125	.656	.406
12-1007	.625	.125	.718	.406
12-1008	.687	.125	.781	.406
12-1009	.750	.125	.922	.406
12-1010	.812	.125	.890	.406
12-1011	.875	.125	1.016	.453
12-1012	1.000	.125	1.203	.453
12-1013	1.093/.125	.125	1.218	.453
12-1014	1.187	.125	1.312	.453
12-1015	1.250	.125	1.375	.453
12-1016	1.375	.125	1.500	.453
12-1017	1.500	.125	1.672	.453
12-1018	1.750	.125	1.906	.453
12-1019	2.000	.125	2.140	.453
Locking Vent Plugs				
12-2000	.875	.125	1.016	.453
12-2001	1.000	.125	1.203	.453

For Longwood rubber grommets used for holes that are not plugged - see Section 11



ILLUSTRATIONS BELOW NOT TO SCALE

<p>12-300</p>	<p>12-301</p>		
<p>12-302</p>	<p>12-303</p>	<p>12-304</p>	<p>12-305</p>
<p>12-306</p>	<p>12-307</p>	<p>12-308</p>	<p>12-309</p>
<p>12-310</p>	<p>12-311</p>	<p>12-312</p>	<p>12-313</p>

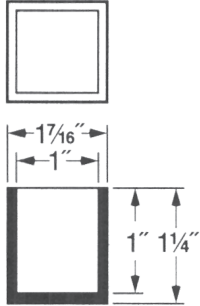
# MISCELLANEOUS RUBBER TIPS & CAPS



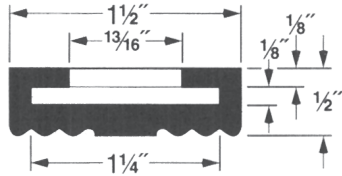
12 - MOLDED PRODUCTS

ILLUSTRATIONS BELOW NOT TO SCALE

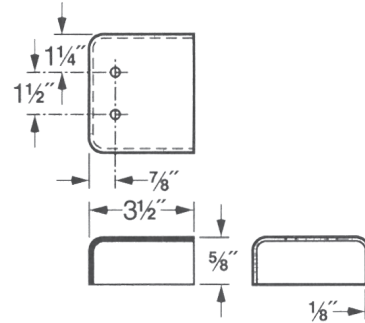
12-314



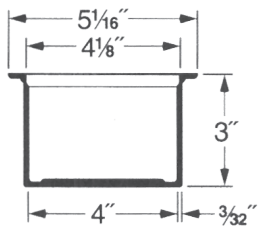
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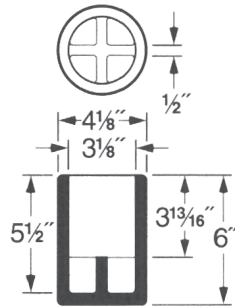
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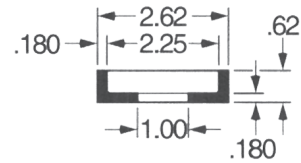
12-2280R  
Large



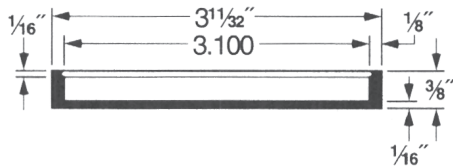
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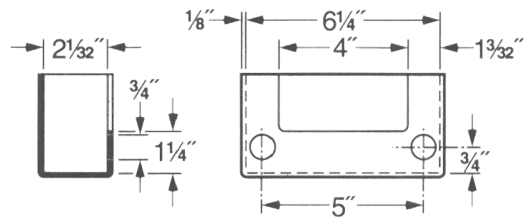
12-2834R



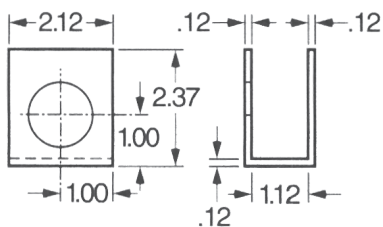
12-407R



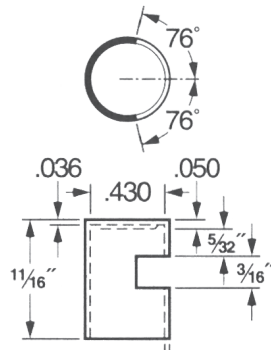
12-143R



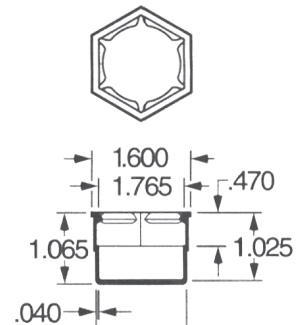
12-460R



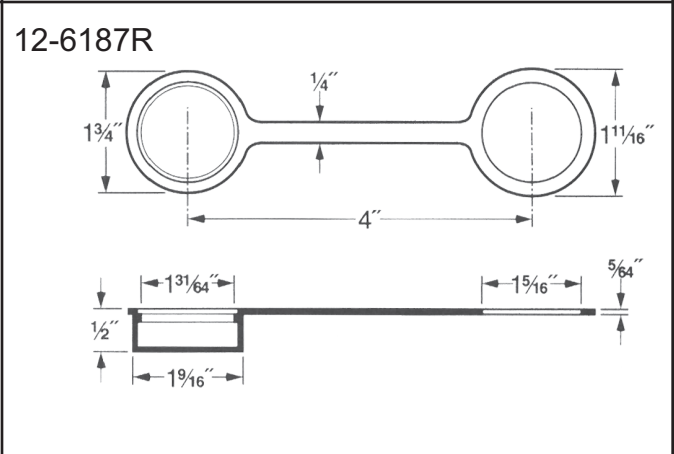
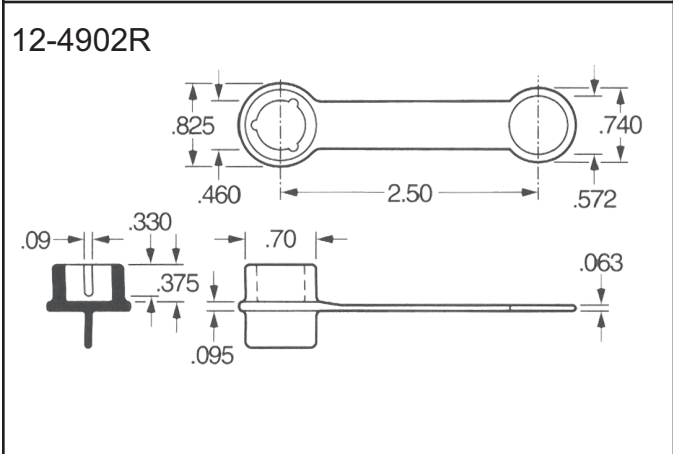
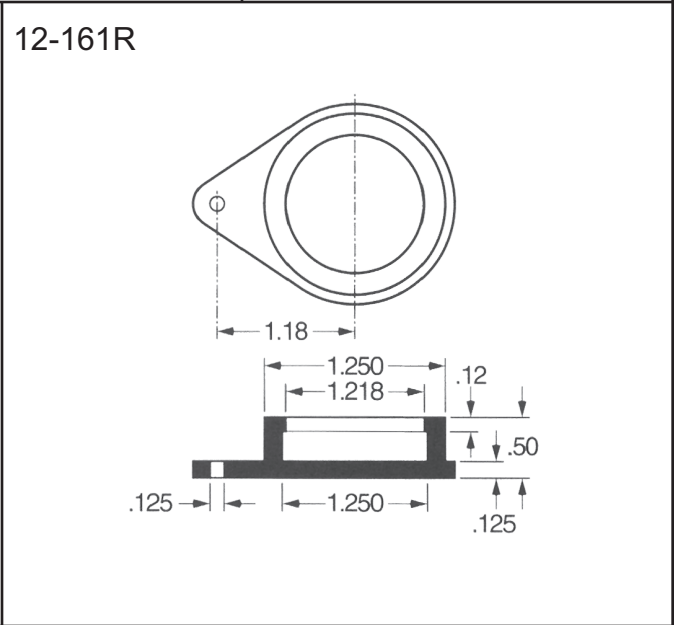
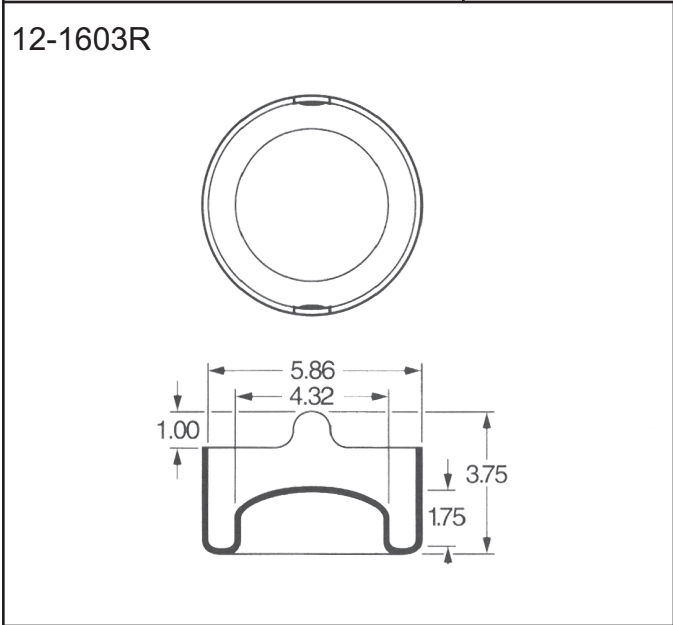
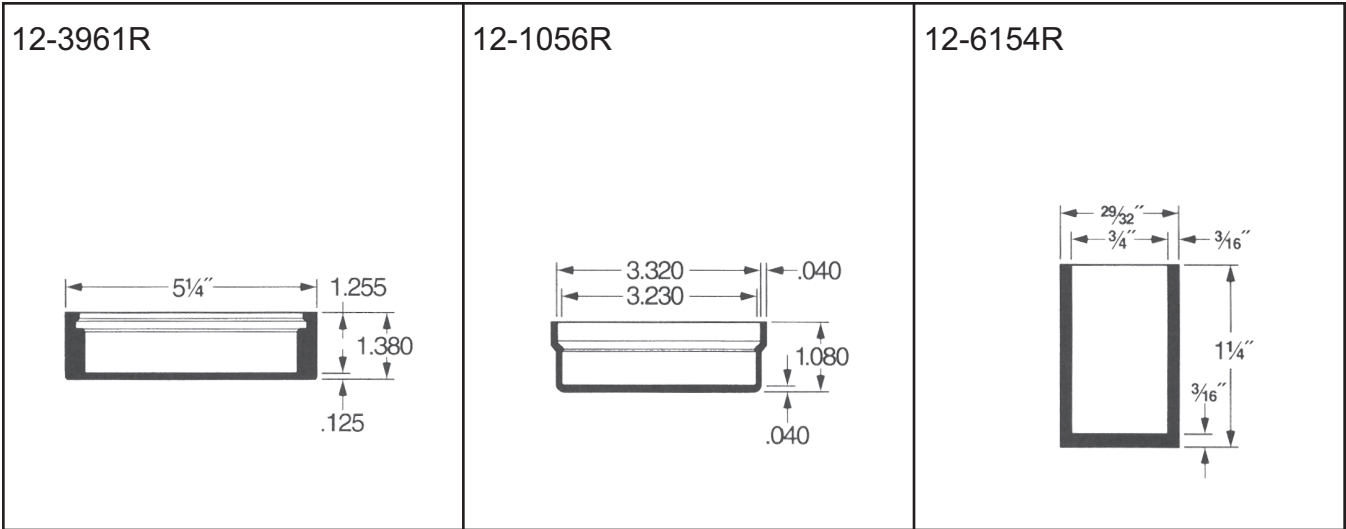
12-53R



12-6344R



ILLUSTRATIONS BELOW NOT TO SCALE



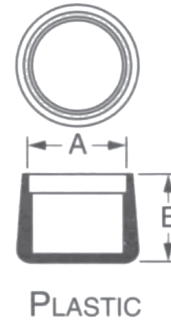
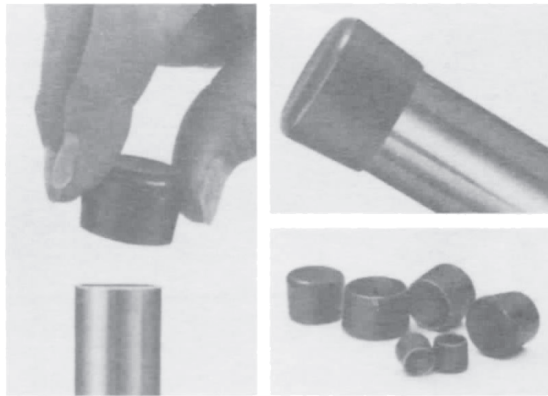
Longwood custom-molds products to your specifications!

# LOAD-BEARING FURNITURE GLIDES

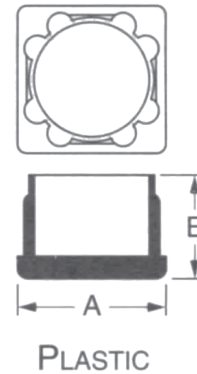
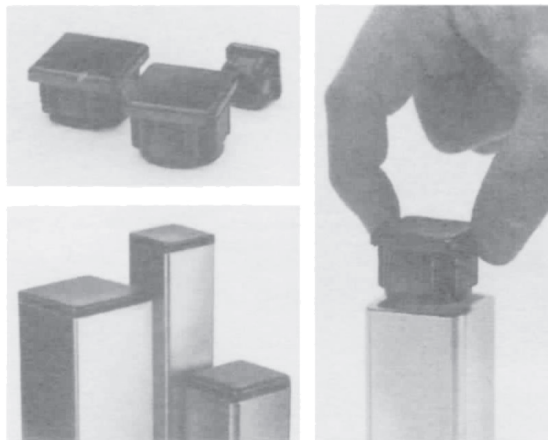


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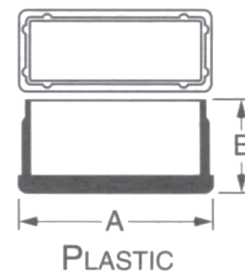
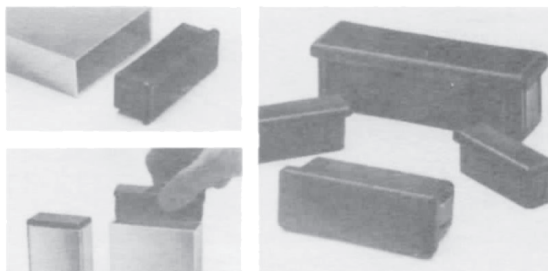
Longwood round caps make economical, attractive glides for everything from household and patio furniture to office chairs and tables; from utility carts to exercise equipment. As finishing caps for both rods and tubing, they cover any scratches, burrs, or distortions that may result from cutting operations. They also provide protection against injury from sharp rod and tubing edges.



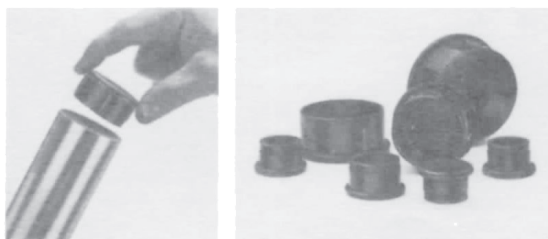
Longwood square plugs are available in 16 different sizes and gauge combinations to fit square tubings most frequently employed in furniture, fixture, and other equipment manufacture. As load-bearing glides or snug-fitting closures, they satisfy numerous functional requirements while enhancing product appearance.



Offered in a broad selection of width-to-length proportions, Longwood rectangular plugs are designed to fit many special tubing shapes found on stands for computer terminals and office machines, display fixtures, and similar metal furnishings and equipment. Durable construction assures exceptional performance in business and commercial applications.



Durable construction and excellent gliding characteristics recommend Longwood round plugs for use on a wide range of metal furniture, appliances, and similar items. Because they have a secure fit, a thick, impact and abrasion resistant base, and will not rust or corrode, Longwood plugs are ideal tubing closures for products subject to heavy-duty service or exposure to adverse environments.



Longwood offers a wide variety of caps and plugs to meet your needs - 1-800-829-7231