

**WORLDWIDE SUPPLIER OF CAPS, GRIPS, PLUGS & HIGH TEMPERATURE MASKING SUPPLIES**





Harman Corporation has been a supplier of dip molded products for over 30 years. Our product line has virtually no limitations in its use and is used for protective and decorative use industry wide. Our markets encompass the automotive, lawn and garden, exercise, toy, home appliance and numerous other industries around the world. Harman Corporation has operated with providing the customer with all the conveniences. Our inventory consists of millions of parts in over a thousand different sizes. Many times rush orders can ship within the same day the order is received. If you are interested in testing our product on your application, free samples are readily available for same day shipment. Call us today to find out how we can make a difference for you. **For free samples or pricing call (248) 651-4477 or fax (248) 651-4495.**

<b>ANTI ROLL CAPS</b>	Pg.17	<b>PULL PLUGS</b>	Pg.11
<b>CUSTOM GRIPS</b>	Pg.6, 18	<b>PULL TABS</b>	Pg.7
<b>CUSTOM MOLDING</b>	Pg.18	<b>RECTANGULAR CAPS</b>	Pg.3
<b>CUSTOM SECONDARY OPERATIONS</b>	Pg.18	<b>ROUND CAPS</b>	Pg.2
<b>GRAB TABS</b>	Pg.8	<b>SILICONE CAPS</b>	Pg.10
<b>GRIPS</b>	Pg.5	<b>SILICONE PLUGS</b>	Pg.11
<b>HANGER CAPS</b>	Pg.17	<b>SQUARE CAPS</b>	Pg.3
<b>HP PLUGS</b>	Pg.15	<b>TAPES</b>	Pg. 13
<b>MASKING SUPPLIES</b>	Pg.13	<b>TAPERED CAPS &amp; PLUGS</b>	Pg.16
<b>EPDM PLUGS</b>	Pg.11	<b>VENTED PULL TABS</b>	Pg.7
<b>PRINTING</b>	Pg.18	<b>WASHER PLUGS</b>	Pg.11

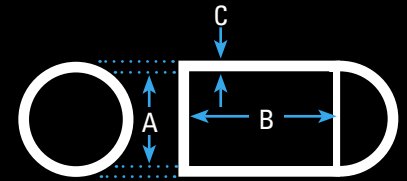
## ROUND CAPS

Applications Include:

- Dust and Moisture Seals
- Shipping Caps
- Masks during painting, plating, coating and shot blasting
- Insulators
- Covers for bolts and seals
- Pipe Caps
- Cable End Seals
- Thread Protectors

### Materials available:

Standard  
 High-Temperature  
 Non-Staining for Copper Tubing  
 Anti-Static  
 Textured  
 FDA Approved  
 UL-Qualifiable



**ROUND CAPS**



## ROUND CAPS

A DIAMETER	B LENGTH	A DIAMETER	B LENGTH
I N C H E S		M I L L I M E T E R	
.062	.750	1.58	19.05
.070	1.000	1.78	25.41
.080	1.000	2.03	25.41
.093	1.000	2.36	25.41
.110	1.000	2.79	25.41
.125	1.500	3.18	38.11
.140	1.500	3.56	38.11
.148	1.500	3.76	38.11
.156	1.500	3.96	38.11
.172	1.500	4.37	38.11
.180	2.000	4.57	50.81
.187	2.000	4.75	50.81
.207	2.000	5.26	50.81
.221	2.000	5.62	50.81
.228	2.000	5.79	50.81
.234	2.000	5.95	50.81
.240	2.000	6.10	50.81
.250	2.000	6.35	50.81
.281	2.000	7.14	50.81
.300	2.000	7.62	50.81
.312	2.000	7.93	50.81
.343	2.000	8.71	50.81
.360	2.000	9.15	50.81
.375	2.000	9.53	50.81
.390	2.000	9.91	50.81
.405	2.000	10.29	50.81
.422	2.000	10.72	50.81
.437	2.000	11.10	50.81
.470	2.000	11.94	50.81
.485	2.000	12.32	50.81
.500	2.000	12.70	50.81
.531	2.000	13.49	50.81
.544	2.000	13.82	50.81
.562	2.000	14.28	50.81
.600	2.000	15.24	50.81
.610	2.000	15.50	50.81
.615	2.000	15.63	50.81
.625	2.000	15.88	50.81
.670	2.000	17.02	50.81
.687	2.000	17.45	50.81
.720	2.000	18.29	50.81
.735	2.000	18.67	50.81
.750	2.000	19.05	50.81

A DIAMETER	B LENGTH	A DIAMETER	B LENGTH
I N C H E S		M I L L I M E T E R S	
.812	2.000	20.63	50.81
.843	2.000	21.42	50.81
.855	2.000	21.72	50.81
.875	2.000	22.23	50.81
.905	2.000	22.99	50.81
.922	2.000	23.42	50.81
.937	2.000	23.81	50.81
.980	2.000	24.90	50.81
1.000	2.000	25.41	50.81
1.040	2.000	26.42	50.81
1.062	2.000	26.98	50.81
1.125	2.000	28.58	50.81
1.187	2.000	30.16	50.81
1.250	2.000	31.76	50.81
1.312	2.000	33.33	50.81
1.375	2.000	34.93	50.81
1.437	2.000	36.51	50.81
1.500	2.000	38.11	50.81
1.625	1.500	41.29	38.11
1.670	2.000	42.43	50.81
1.687	1.500	42.86	38.11
1.750	2.000	44.46	50.81
1.875	2.000	47.64	50.81
2.000	2.000	50.81	50.81
2.125	2.000	53.99	50.81
2.250	2.000	57.16	50.81
2.375	2.000	60.34	50.81
2.500	2.000	63.52	50.81
2.625	1.500	66.69	38.11
2.750	2.000	69.87	50.81
2.875	2.000	73.04	50.81
3.000	2.000	76.22	50.81
3.125	2.000	79.40	50.81
3.250	2.000	82.57	50.81
3.375	2.000	85.75	50.81
3.500	2.000	88.92	50.81
3.625	2.000	92.10	50.81
4.000	2.000	101.63	50.81
4.250	2.000	107.98	50.81
4.375	2.000	111.15	50.81
4.437	2.000	112.73	50.81
4.750	2.000	120.68	50.81
5.500	2.000	139.74	50.81

Wall thickness "C" is measured approximately 1/4" from the opened end, increasing slightly toward the closed end. Nominal wall is .050 ± .010".

\*The Lengths listed above are maximum lengths. Minimum length is 1/4". Lengths can be adjusted in 1/16" increments up to the maximum. Length is measured from the inside along the side wall, not to the center. Length tolerance is ± 1/16".

For additional tools sizes available for caps see sizes on page 10.

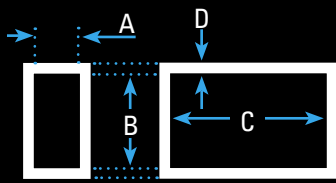
To place order, phone (248)651-4477 or visit us at [www.harmancorp.com](http://www.harmancorp.com)

## RECTANGULAR & SQUARE CAPS & GRIPS

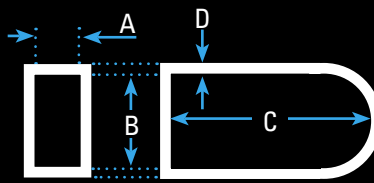
Applications include:

- Ball Valve Handle Covers
- Wheel Adjustment Lever Covers for Lawn Mowers
- Masks during painting, plating, coating and shot blasting
- Grips for Tools & Lever Handles

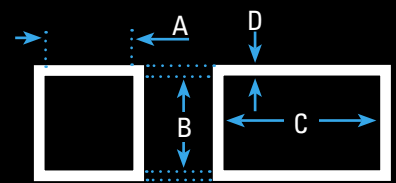




**RECTANGULAR CAPS/GRIPS**  
with **FLAT END (F)**



**RECTANGULAR CAPS/GRIPS**  
with **ROUND END (R)**



**SQUARE CAPS/GRIPS**

**RECTANGULAR CAPS & GRIPS**

A INSIDE THICKNESS	B INSIDE WIDTH	C MAXIMUM LENGTH*	A INSIDE THICKNESS	B INSIDE WIDTH	C MAXIMUM LENGTH*
I N C H E S			M I L L I M E T E R S		
.062	.310	1 (R)	1.58	7.88	25.41
.062	.365	3 (R)	1.58	9.27	76.22
.062	.430	3 (R)	1.58	10.92	76.22
.062	.470	3 (R)	1.58	11.94	76.22
.062	.495	3 (R&F)	1.58	12.58	76.22
.062	.620	3 (R)	1.58	15.75	76.22
.062	.700	3 (R)	1.58	17.78	76.22
.062	.740	3 (R)	1.58	18.80	76.22
.062	.865	3 (R)	1.58	21.98	76.22
.062	1.170	3 (R&F)	1.58	29.73	76.22
.062	1.200	3 (R)	1.58	30.49	76.22
.062	1.250	3 (R)	1.58	31.76	76.22
.062	1.290	3 (F)	1.58	32.77	76.22
.080	.373	3 (F)	2.03	9.48	76.22
.080	.720	3 (R)	2.03	18.29	76.22
.080	.865	3 (R)	2.03	21.98	76.22
.090	.440	3 (R)	2.29	11.18	76.22
.090	.495	3 (F)	2.29	12.58	76.22
.090	.800	3 (F)	2.29	20.33	76.22
.090	.970	3 (R&F)	2.29	24.64	76.22
.090	1.490	3 (F)	2.29	37.86	76.22
.100	1.125	3 (F)	2.54	28.58	76.22
.125	.240	3 (R)	3.18	6.10	76.22
.125	.365	3 (R)	3.18	9.27	76.22
.125	.427	3 (R)	3.18	10.85	76.22
.125	.468	3 (F)	3.18	11.89	76.22
.125	.490	4 (F)	3.18	12.45	101.63
.125	.550	4 (R)	3.18	13.97	101.63
.125	.615	4 (R)	3.18	15.63	101.63
.125	.740	4 (R&F)	3.18	18.80	101.63
.125	.865	4 (F)	3.18	21.98	101.63
.125	.990	4 (R&F)	3.18	25.15	101.63
.125	1.000	4 (F)	3.18	25.41	101.63
.125	1.240	4 (F)	3.18	31.50	101.63
.125	1.490	4 (F)	3.18	37.86	101.63
.125	3.000	2 (F)	3.18	76.22	50.81
.155	.740	4 (R)	3.94	18.80	101.63
.187	.365	4 (R)	4.75	9.27	101.63
.187	.430	4 (R)	4.75	10.92	101.63
.187	.490	4 (R)	4.75	12.45	101.63
.187	.615	4 (F)	4.75	15.63	101.63
.187	.687	4 (F)	4.75	17.45	101.63
.187	.740	4 (R)	4.75	18.80	101.63
.187	.865	4 (F)	4.75	21.98	101.63
.187	.990	4 (R&F)	4.75	25.15	101.63
.187	1.240	4 (R&F)	4.75	31.50	101.63
.187	1.312	3.5 (R)	4.75	33.33	88.92
.187	1.490	4 (F)	4.75	37.86	101.63
.187	1.937	3 (F)	4.75	49.21	76.22

A INSIDE THICKNESS	B INSIDE WIDTH	C MAXIMUM LENGTH*	A INSIDE THICKNESS	B INSIDE WIDTH	C MAXIMUM LENGTH*
I N C H E S			M I L L I M E T E R S		
.187	3.000	4 (F)	4.75	76.22	101.63
.250	.365	4 (R)	6.35	9.27	101.63
.250	.500	4 (R&F)	6.35	12.70	101.63
.250	.562	2 (F)	6.35	14.28	50.81
.250	.615	4 (R&F)	6.35	15.63	101.63
.250	.740	4 (R&F)	6.35	18.80	101.63
.250	.865	4 (R&F)	6.35	21.98	101.63
.250	.990	4 (R&F)	6.35	25.15	101.63
.250	1.110	4 (F)	6.35	28.20	101.63
.250	1.240	4 (R&F)	6.35	31.50	101.63
.250	1.312	4 (F)	6.35	33.33	101.63
.250	1.490	4 (F)	6.35	37.86	101.63
.250	1.740	4 (F)	6.35	44.21	101.63
.250	1.990	4 (R)	6.35	50.56	101.63
.250	2.115	4 (R)	6.35	53.73	101.63
.250	4.000	3 (F)	6.35	101.63	76.22
.312	.615	4 (R)	7.93	15.63	101.63
.312	.667	4 (F)	7.93	16.95	101.63
.312	.750	3 (R)	7.93	19.05	76.22
.312	.990	4 (F)	7.93	25.15	101.63
.312	1.240	4 (F)	7.93	31.50	101.63
.312	1.375	4 (F)	7.93	34.93	101.63
.312	1.490	4.5 (F)	7.93	37.86	114.33
.312	1.740	4 (F)	7.93	44.21	101.63
.375	.500	4 (R)	9.53	12.70	101.63
.375	.600	2 (F)	9.53	15.24	50.81
.375	.615	5 (R)	9.53	15.63	127.03
.375	.660	3 (R)	9.53	16.77	76.22
.375	.740	4 (R)	9.53	18.80	101.63
.375	.875	4 (R)	9.53	22.23	101.63
.375	.990	4(F)	9.53	25.15	101.63
.375	1.115	4 (F)	9.53	28.33	101.63
.375	1.240	4 (F)	9.53	31.50	101.63
.375	1.490	4 (F)	9.53	37.86	101.63
.375	1.600	4.5 (F)	9.53	40.65	114.33
.500	.615	4 (R&F)	12.70	15.63	101.63
.500	.740	4 (F)	12.70	18.80	101.63
.500	.812	4 (F)	12.70	20.63	101.63
.500	.990	4 (R)	12.70	25.15	101.63
.500	1.240	4 (R&F)	12.70	31.50	101.63
.500	1.375	4 (F)	12.70	34.93	101.63
.500	1.490	4 (F)	12.70	37.86	101.63
.500	2.000	3 (F)	12.70	50.81	76.22
.625	.865	4 (R)	15.88	21.98	101.63
.625	1.750	3 (F)	15.88	44.46	76.22
.750	.990	4 (F)	19.05	25.15	101.63
.812	1.625	3 (F)	20.63	41.29	76.22
1.000	2.000	4 (F)	25.41	50.81	101.63

**SQUARE CAPS/GRIPS**

A INSIDE THICKNESS	B INSIDE WIDTH	C MAXIMUM LENGTH*
I N C H E S		
.250	.250	2.00
.500	.500	3.00
.625	.625	3.00
.750	.750	4.00
1.000	1.000	3.75
1.250	1.250	4.25
1.500	1.500	2.00
1.750	1.750	2.00
1.875	1.875	4.00
2.000	2.000	4.00
3.500	3.500	4.00
4.000	4.000	3.00
A INSIDE THICKNESS	B INSIDE WIDTH	C MAXIMUM LENGTH*
M I L L I M E T E R S		
6.35	6.35	50.81
12.70	12.70	76.22
15.88	15.88	76.22
19.05	19.05	101.63
25.41	25.41	95.27
31.76	31.76	107.98
38.11	38.11	50.81
44.46	44.46	50.81
47.64	47.64	101.63
50.81	50.81	101.63
88.92	88.92	101.63
101.63	101.63	76.22

Wall thickness "D" is measured approximately 1/4" from the opened end, increasing slightly toward the closed end.

Nominal wall is .050 ± .010".

\*The Lengths listed above are maximum lengths. Minimum length is 1/4". Lengths can be adjusted in 1/16" increments up to the maximum. Length is measured from the inside along the side wall, not to the center. Exception applies to the round end style cap which is measured to the center.

Length tolerance is ± 1/16".

### ROUND GRIPS

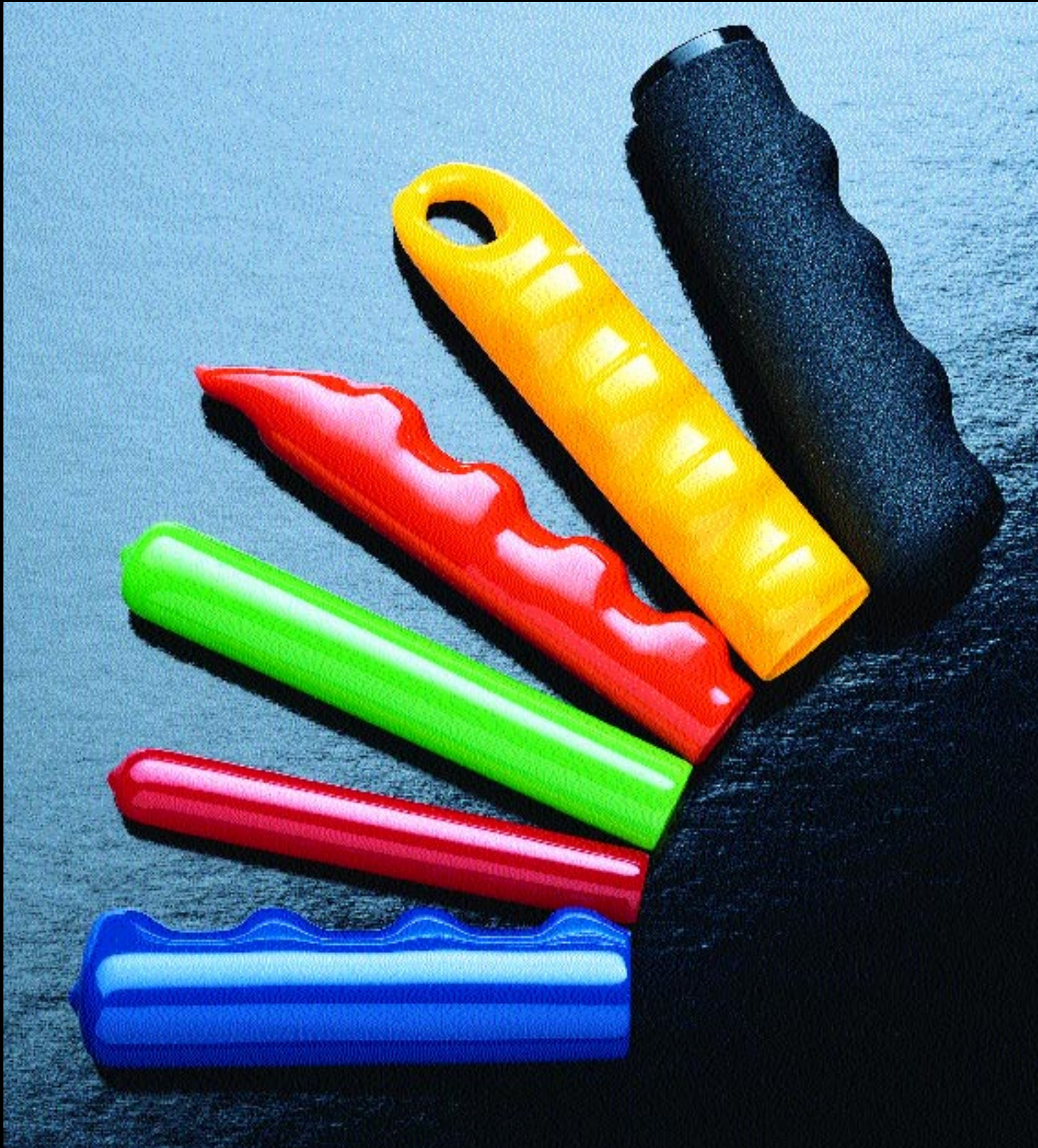
Available in many sizes and lengths. Round Grips are made from tough PVC and Foam materials which will provide better gripping power for your product. Choose from a wide range of colors or have your logo printed onto the grip.

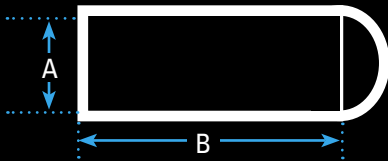
### FINGER GRABBERS & HANGER GRIPS

These grips provide slip resistant grooves which are ideal for: Bicycles, Broom and Shovel handles, Lawn and Garden Tools, and Lever Handles. This style is available in plain end or comes with a loop which allows your product to hang on hooks and display racks in stores.

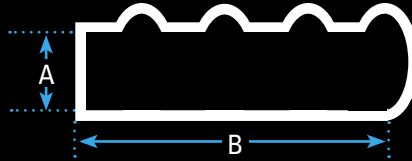
### **NEW!!** DOUBLE DIPPED GRIPS

This unique method of manufacturing combines a tough inner liner with a soft outer layer. This is the ultimate for hand grip comfort. This process is available in most of the listed sizes. Contact the factory for samples and a quote.

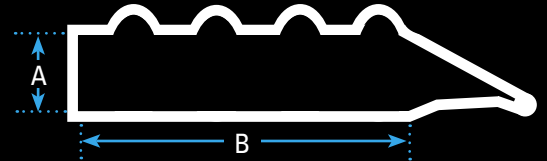




**ROUND GRIPS**



**FINGER GRABBER GRIPS**



**HANGER GRIPS**

**ROUND GRIPS**

A DIAMETER	B LENGTH*	A DIAMETER	B LENGTH*
I N C H E S		M I L L I M E T E R	
.187	6.000	4.75	152.44
.207	4.000	5.26	101.63
.250	6.000	6.35	152.44
.281	6.000	7.14	152.44
.312	8.000	7.93	203.25
.343	8.000	8.71	203.25
.375	14.000	9.53	355.69
.437	8.000	11.10	203.25
.500	12.000	12.70	304.88
.531	8.000	13.49	203.25
.562	8.000	14.28	203.25
.625	16.000	15.88	406.50
.687	4.000	17.45	101.63
.735	4.750	18.67	120.68
.750	24.000	19.05	609.76
.812	13.000	20.63	330.28
.843	4.500	21.42	114.33
.875	14.000	22.23	355.69
.905	3.500	22.99	88.93
.922	16.000	23.42	406.50
.937	26.000	23.81	660.57
.980	5.000	24.90	127.03

A DIAMETER	B LENGTH*	A DIAMETER	B LENGTH*
I N C H E S		M I L L I M E T E R	
1.000	26.000	25.41	660.57
1.062	26.000	26.98	660.57
1.125	12.000	28.58	304.88
1.250	26.000	31.76	660.57
1.375	26.000	34.93	660.57
1.500	26.000	38.11	660.57
1.750	26.000	44.46	660.57
1.875	3.000	47.64	76.22
2.000	8.000	50.81	203.25
2.125	5.000	53.99	127.03
2.250	5.000	57.16	127.03
2.375	5.000	60.34	127.03
2.500	6.000	63.52	152.44
2.750	3.000	69.87	76.22
3.000	6.000	76.22	152.44
3.250	3.500	82.57	88.93
3.375	3.000	85.75	76.22
3.500	3.000	88.92	76.22
3.625	3.500	92.10	88.93
4.000	3.500	101.63	88.93
4.750	4.000	120.68	101.62

**FINGER GRABBER GRIPS**

A DIAMETER	B LENGTH**	A DIAMETER	B LENGTH**
I N C H E S		M I L L I M E T E R	
.750	4.500	19.05	114.33
.875	4.500	22.23	114.33
1.000	4.500	25.41	114.33
1.187	4.500	30.16	114.33
1.250	4.500	31.76	114.33

**HANGER GRIPS**

A DIAMETER	B LENGTH**	A DIAMETER	B LENGTH**
I N C H E S		M I L L I M E T E R	
.625	4.500	15.88	114.33
.750	4.500	19.05	114.33
.875	4.500	22.23	114.33
1.000	4.500	25.41	114.33
1.250	4.500	31.76	114.33

\*\*Length can be adjusted in 1/16" increments beginning at 4.500". For sizes not listed please contact a Harman Salesperson.

\*Length can be adjusted in 1/16" increments beginning at 1/4". For sizes not listed please contact a Harman Salesperson.



- Printed Grips Now Available
- Length Capabilities to 26 Inches
- Custom Material Formulations Available
- Custom Grip Design and Tooling Available
- Color Matching Available

To place order, phone (248)651-4477 or visit us at [www.harmancorp.com](http://www.harmancorp.com)

## PULL TABS

Similar to our Caps, Pull Tabs have a tab to grab hold of, making removal easy. This is an excellent time-saver when removal is involved. Pull Tabs are ideal for:

- Thread protectors
- Shipping caps
- Paint masks
- Dust caps

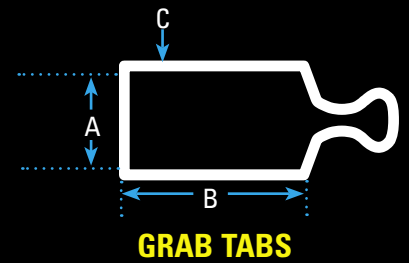
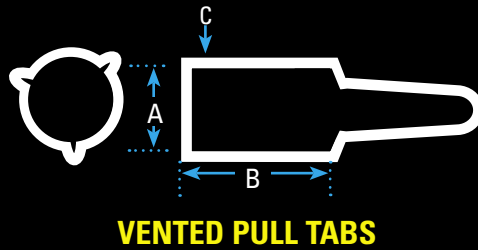
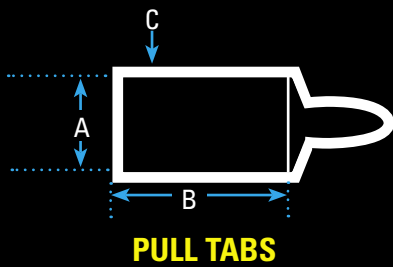
## VENTED PULL TABS

Our vented Pull Tabs feature a slotted design that will not deform or triangulate tubing. Air vents found along the entire length of the cap allow air to escape during sterilization, thus preventing the cap from popping off tubing. They provide excellent dust protection in medical applications where integrity of tubing is critical.

Manufactured from FDA Approved Material. Shipped in double poly-bags.







**PULL TABS**

A DIAMETER	B LENGTH*	A DIAMETER	B LENGTH*
I N C H E S		M I L L I M E T E R	
.187	.750	4.75	19.05
.207	1.500	5.26	38.11
.240	1.500	6.10	38.11
.250	1.500	6.35	38.11
.300	1.500	7.62	38.11
.312	1.500	7.93	38.11
.360	1.500	9.15	38.11
.375	1.500	9.53	38.11
.437	1.500	11.10	38.11
.490	1.500	12.45	38.11
.521	1.500	13.24	38.11
.552	1.500	14.02	38.11
.600	1.500	15.24	38.11
.615	1.500	15.63	38.11
.677	1.500	17.20	38.11
.740	1.500	18.80	38.11
.843	1.500	21.42	38.11
.990	1.500	25.15	38.11
1.250	3.500	31.76	88.92

**VENTED PULL TABS**

PART NUMBER	FITS TUBE SIZE	
	DIAMETER	WALL THICKNESS
	I N C H E S	
VPT-1	3/16	1/16
VPT-25	1/4	1/16
VPT-3	3/8	1/16
VPT-4	3/8	3/32
VPT-5	1/2	3/32
VPT-6	1/2	1/8

PART NUMBER	FITS TUBE SIZE	
	DIAMETER	WALL THICKNESS
	M I L L I M E T E R S	
VPT-1	4.76	1.58
VPT-25	6.35	1.58
VPT-3	9.53	1.58
VPT-4	9.53	2.38
VPT-5	12.70	2.38
VPT-6	12.70	3.18

Wall thickness "C" is measured approximately 1/4" from the open end. Nominal wall is .045 ± .010

\*The lengths listed are maximum lengths. Minimum length is 1/4". Lengths can be adjusted in 1/16" increments up to the maximum. Length is measured from the inside wall, not to the center. Length tolerance is ± 1/16".

**NEW!!  
GRAB TABS**



**GRAB TABS**

New tab design provides more surface area to grab. The ergonomic finger tab is perfect for continuous removal and installation processes.

Available in standard and high-temperature formulations. Pull Tabs are ideal for:

- Thread protectors
- Shipping caps
- Paint masks
- Dust caps

**GRAB TABS**

A DIAMETER	B LENGTH*	A DIAMETER	B LENGTH*
I N C H E S		M I L L I M E T E R	
.215	2.000	5.46	50.81
.240	2.000	6.10	50.81
.250	2.000	6.35	50.81
.303	2.000	7.70	50.81
.313	2.000	7.95	50.81
.365	2.000	9.27	50.81
.386	2.000	9.81	50.81
.427	2.000	10.85	50.81
.490	2.000	12.45	50.81
.521	2.000	13.24	50.81
.530	2.000	13.47	50.81
.552	2.000	14.02	50.81
.615	2.000	15.63	50.81
.677	2.000	17.20	50.81
.735	2.000	18.67	50.81
.740	2.000	18.80	50.81
.797	2.000	20.25	50.81
.860	2.000	21.85	50.81
.937	2.000	23.81	50.81
.985	2.000	25.03	50.81
1.060	2.000	26.93	50.81
1.125	2.000	28.58	50.81
1.250	2.000	31.76	50.81

To place order, phone (248)651-4477 or visit us at [www.harmancorp.com](http://www.harmancorp.com)

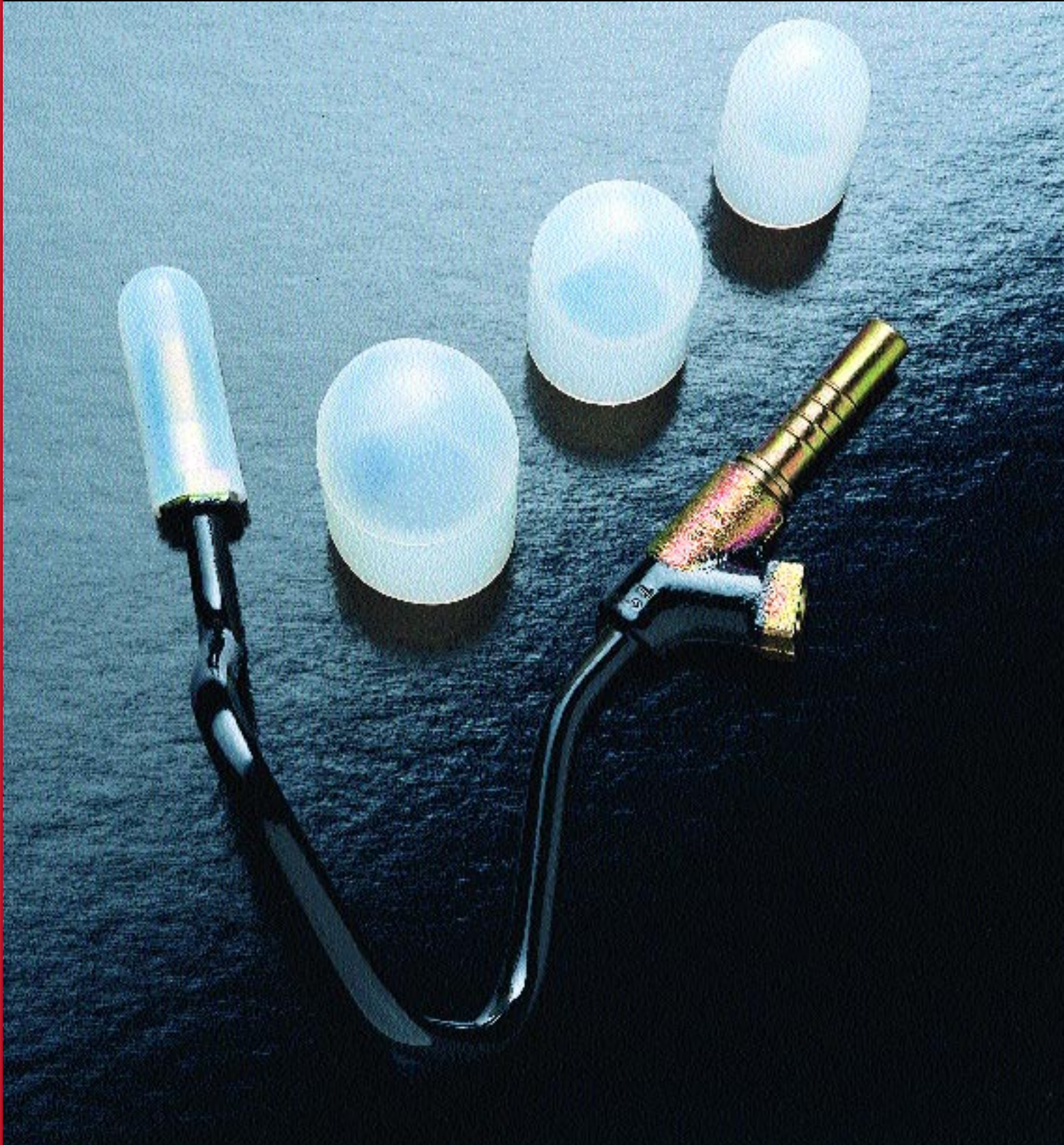
## SILICONE ROUND CAPS

This soft material allows caps to stretch to fit over unusual sizes. Material won't crack, harden or bleed. When used as a paint mask the paint will not stick to the caps; this allows them to be reusable. Also available in EPDM material.

High-Temperature Resistant up to 315°C / 600°F, Silicone Caps are the ultimate High-Temperature Mask.

Some uses include:

- Painting
- Powder Coating
- Anodizing
- E-Coat
- Electroplating



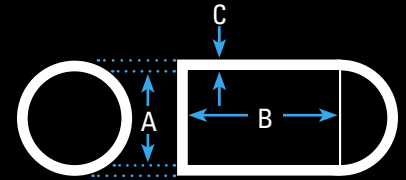


## HARMAN HIGH TEMPERATURE SILICONE PRODUCTS

Excellent for Painting, Anodizing, Plating, and Powder Coating in high heat conditions. REUSABLE. Paint will not adhere to this material.

**WITHSTANDS UP TO 600°F.**

Now available in colors. Call the factory for availability.



**SILICONE ROUND CAPS**

### HIGH TEMPERATURE SILICONE ROUND CAPS

PART NUMBER	I N C H E S			M I L L I M E T E R S			METRIC THREAD	QTY PER BAG	PART NUMBER	I N C H E S			M I L L I M E T E R S			METRIC THREAD	QTY PER BAG
	A	B	C	A	B	C				A	B	C	A	B	C		
.020-8 SC	.020	.500	.030	.51	12.70	.76		1,000	.375-24 SC	.375	1.500	.060	9.53	38.11	1.52	M10	1,000
.040-12 SC	.040	.750	.045	1.02	19.05	1.14		1,000	.406-16 SC	.406	1.000	.060	10.32	25.41	1.52		200
.062-12 SC	.062	.750	.045	1.58	19.05	1.14		1,000	.437-16 SC	.437	1.000	.060	11.10	25.41	1.52		200
.070-16 SC	.070	1.000	.045	1.78	25.41	1.14	M2	1,000	.456-24 SC	.456	1.500	.050	11.59	38.11	1.27	M12	200
.080-12 SC	.080	.750	.060	2.03	19.05	1.52		1,000	.468-16 SC	.468	1.000	.060	11.89	25.41	1.52		200
.093-12 SC	.093	.750	.050	2.36	19.05	1.27	M2.5	1,000	.480-24 SC	.480	1.500	.060	12.20	38.11	1.52	M13	200
.100-16 SC	.100	1.000	.050	2.54	25.41	1.27	M3	1,000	.500-24 SC	.500	1.500	.060	12.70	38.11	1.52		200
.109-8 SC	.109	.500	.060	2.77	12.70	1.52		1,000	.535-24 SC	.535	1.500	.050	13.59	38.11	1.27	M14	200
.109-12 SC	.109	.750	.050	2.77	19.05	1.27		1,000	.562-24 SC	.562	1.500	.060	14.28	38.11	1.52	M15	200
.120-4 SC	.120	.250	.050	3.05	6.35	1.27		1,000	.600-24 SC	.600	1.500	.054	15.24	38.11	1.37	M16	200
.125-8 SC	.125	.500	.050	3.18	12.70	1.27		1,000	.625-24 SC	.625	1.500	.060	15.88	38.11	1.52	M17	200
.125-16 SC	.125	1.000	.060	3.18	25.41	1.52		1,000	.625-40 SC	.625	2.500	.060	15.88	63.52	1.52	M17	100
.140-16 SC	.140	1.000	.060	3.56	25.41	1.52	M3.5	1,000	.687-24 SC	.687	1.500	.060	17.45	38.11	1.52	M18	200
.148-16 SC	.148	1.000	.045	3.76	25.41	1.14	M4	1,000	.730-24 SC	.730	1.500	.060	18.55	38.11	1.52	M19	200
.156-8 SC	.156	.500	.060	3.96	12.70	1.52		1,000	.750-24 SC	.750	1.500	.060	19.05	38.11	1.52	M20	200
.156-16 SC	.156	1.000	.060	3.96	25.41	1.52		1,000	.750-56 SC	.750	3.500	.060	19.05	88.92	1.52	M20	100
.172-8 SC	.172	.500	.060	4.37	12.70	1.52		1,000	.780-24 SC	.780	1.500	.060	19.82	38.11	1.52	M21	200
.172-16 SC	.172	1.000	.060	4.37	25.41	1.52		1,000	.812-24 SC	.812	1.500	.060	20.63	38.11	1.52	M22	200
.172-24 SC	.172	1.500	.060	4.37	38.11	1.52		1,000	.875-24 SC	.875	1.500	.060	22.23	38.11	1.52	M23	100
.180-16 SC	.180	1.000	.045	4.57	25.41	1.14	M5	1,000	.937-24 SC	.937	1.500	.060	23.81	38.11	1.52	M24	100
.187-8 SC	.187	.500	.060	4.75	12.70	1.52		1,000	.970-24 SC	.970	1.500	.060	24.64	38.11	1.52	M25	100
.187-16 SC	.187	1.000	.060	4.75	25.41	1.52		1,000	1.000-24 SC	1.000	1.500	.060	25.41	38.11	1.52	M27	100
.197-8 SC	.197	.500	.060	5.00	12.70	1.52		1,000	1.000-32 SC	1.000	2.000	.060	25.41	50.81	1.52		100
.223-24 SC	.223	1.500	.060	5.67	38.11	1.52	M6	1,000	1.062-24 SC	1.062	1.500	.060	26.98	38.11	1.52		100
.234-16 SC	.234	1.000	.060	5.95	25.41	1.52		1,000	1.125-24 SC	1.125	1.500	.060	28.58	38.11	1.52	M30	100
.250-16 SC	.250	1.000	.060	6.35	25.41	1.52		1,000	1.187-24 SC	1.187	1.500	.060	30.16	38.11	1.52		100
.260-16 SC	.260	1.000	.060	6.61	25.41	1.52		1,000	1.250-24 SC	1.250	1.500	.060	31.76	38.11	1.52	M33	100
.281-16 SC	.281	1.000	.060	7.14	25.41	1.52		1,000	1.350-28 SC	1.350	1.750	.060	34.30	44.46	1.52	M36	100
.295-8 SC	.295	.500	.060	7.49	12.70	1.52		1,000	1.500-16 SC	1.500	1.000	.060	38.11	25.41	1.52	M39	100
.295-24 SC	.295	1.500	.060	7.49	38.11	1.52	M8	1,000	1.500-28 SC	1.500	1.750	.060	38.11	44.46	1.52	M39	100
.312-16 SC	.312	1.000	.060	7.93	25.41	1.52		1,000	1.625-32 SC	1.625	2.000	.060	41.29	50.81	1.52		100
.312-24 SC	.312	1.500	.060	7.93	38.11	1.52		1,000	1.750-32 SC	1.750	2.000	.060	44.46	50.81	1.52		100
.355-24 SC	.355	1.500	.060	9.02	38.11	1.52		1,000	1.875-32 SC	1.875	2.000	.060	47.64	50.81	1.52		50
.375-16 SC	.375	1.000	.060	9.53	25.41	1.52	M10	1,000	2.000-32 SC	2.000	2.000	.060	50.81	50.81	1.52		50

Above sizes also available in EPDM material.

**TAPERED SILICONE (CSP) PLUGS**

Recommended for powder coating. Withstands temperatures in excess of 315°C / 600°F. Reusable. This material also offers excellent chemical resistance. Suitable for threaded or unthreaded holes.

**TAPERED EPDM (BNP) PLUGS**

Recommended for paint spraying, electro and electroless plating, anodizing and sand blasting. Suitable for threaded or unthreaded holes. Withstands temperatures to 177°C / 350°F.

**SILICONE WASHER PLUGS**

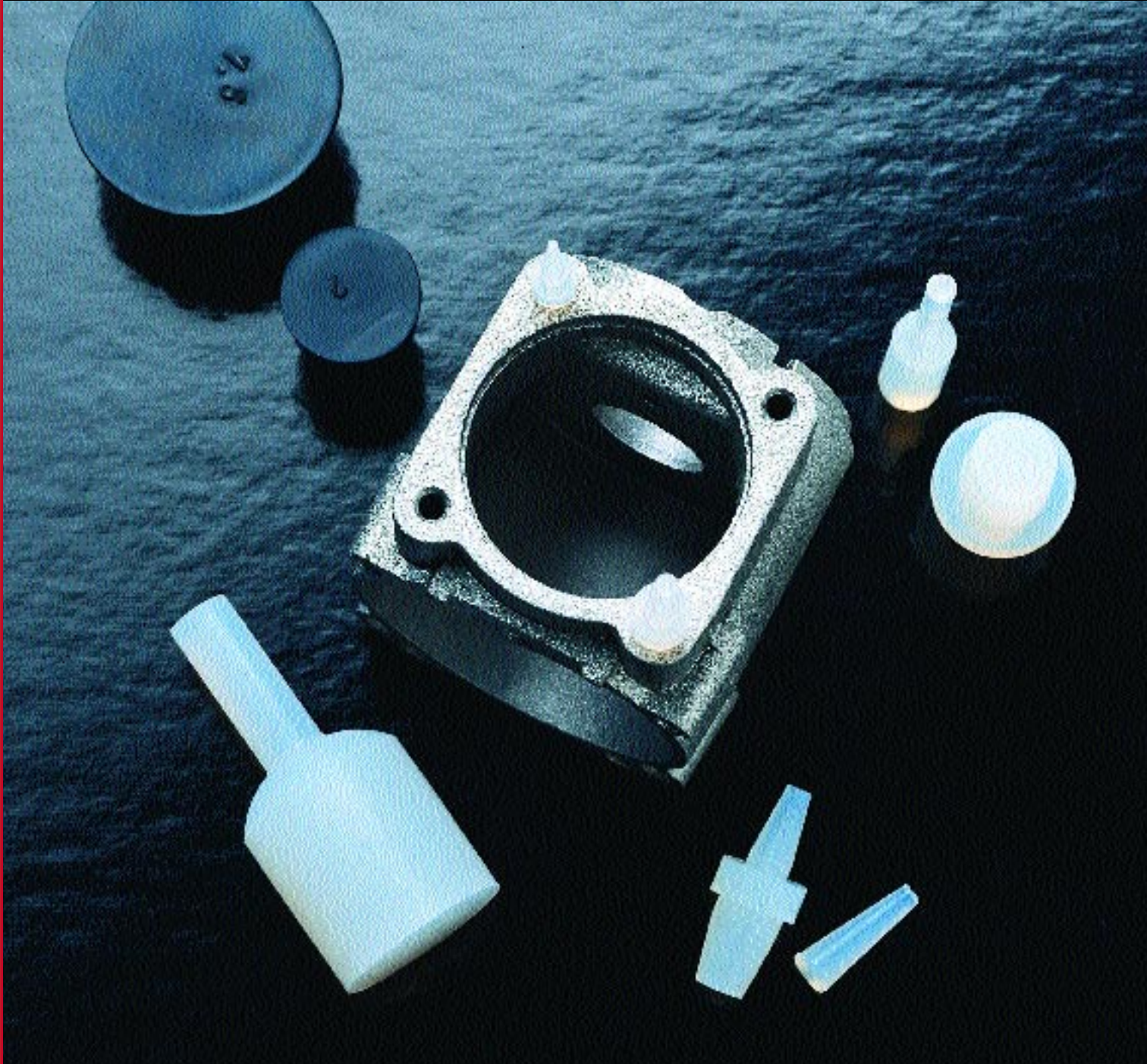
Intended for use during powder coating where an area around the hole requires masking. The plugs are double ended for versatility, ease of fitting and removal. Withstands temperatures to 315°C / 600°F. Reusable.

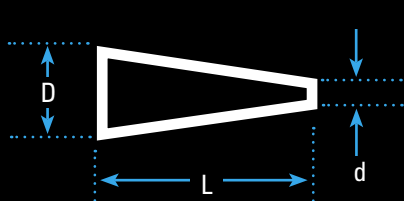
**SILICONE (SPP) PULL PLUGS**

Recommended for masking holes when hole can be reached from both sides when powder coating. Withstands temperatures to 315°C / 600°F.

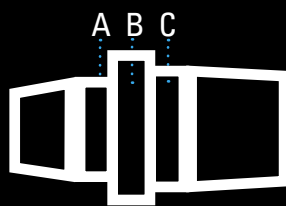
**EPDM (NPP) PULL PLUGS**

Recommended for masking holes when hole can be reached from both sides when painting, plating, anodizing and sandblasting. Withstands temperatures to 177°C / 350°F.

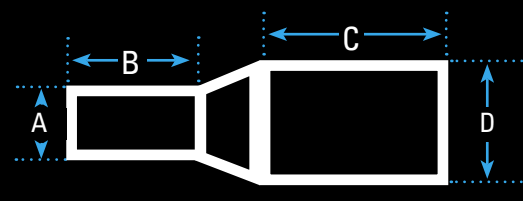




**TAPERED PLUGS**



**WASHER PLUGS**



**PULL PLUGS**

**HIGH TEMPERATURE TAPERED PLUGS\***

PART NUMBER	I N C H E S			M I L L I M E T E R S			QTY PER BAG
	D	d	L	D	d	L	
CSP-0	.062	.016	.625	1.58	0.41	15.88	1,000
CSP-1	.125	.032	.625	3.18	0.81	15.88	1,000
CSP-3	.125	.062	.625	3.18	1.58	15.88	1,000
CSP-5	.187	.062	.625	4.75	1.58	15.88	1,000
CSP-7	.250	.125	.750	6.35	3.18	19.05	1,000
CSP-9	.343	.187	.625	8.71	4.75	15.88	1,000
CSP-11	.375	.250	.750	9.53	6.35	19.05	1,000
CSP-13	.472	.354	.708	11.99	8.99	17.99	500
CSP-15	.590	.390	1.000	14.99	9.91	25.41	200
CSP-17	.670	.510	1.000	17.02	12.96	25.41	200
CSP-19	.750	.550	1.000	19.05	13.97	25.41	100
CSP-21	.790	.630	1.000	20.07	16.01	25.41	100
CSP-23	.940	.710	1.000	23.88	18.04	25.41	100
CSP-25	1.020	.790	1.000	25.91	20.07	25.41	100
CSP-27	1.060	.910	1.000	26.93	23.12	25.41	100
CSP-29	1.100	.940	1.000	27.95	23.88	25.41	100
CSP-31	1.260	1.020	1.000	32.01	25.91	25.41	100
CSP-33	1.340	1.060	1.000	34.04	26.93	25.41	100
CSP-35	1.460	1.180	1.000	37.09	29.98	25.41	50
CSP-37	1.540	1.220	1.000	39.13	31.00	25.41	50
CSP-39	1.610	1.300	1.000	40.90	33.03	25.41	50
CSP-41	1.690	1.420	1.000	42.94	36.08	25.41	50
CSP-43	1.770	1.460	1.000	44.97	37.09	25.41	50
CSP-45	1.810	1.500	1.000	45.99	38.11	25.41	50
CSP-47	1.970	1.650	1.000	50.05	41.92	25.41	25
CSP-49	2.090	1.770	1.000	53.10	44.97	25.41	25
CSP-51	2.200	1.890	1.000	55.89	48.02	25.41	25
CSP-53	2.480	1.968	1.000	63.01	50.00	25.41	25
CSP-55	2.520	2.125	1.000	64.02	53.99	25.41	25
CSP-57	2.677	2.283	1.000	68.01	58.00	25.41	25
CSP-59	2.953	2.440	1.377	75.03	61.99	34.98	20
CSP-61	3.543	2.953	1.535	90.02	75.03	39.00	20
CSP-63	4.055	3.267	1.535	103.02	83.00	39.00	20
CSP-65	5.000	3.543	1.968	127.03	90.02	50.00	10

**HIGH TEMPERATURE PULL PLUGS\*\***

PART NUMBER	I N C H E S				M I L L I M E T E R				QTY PER BAG
	A	B	C	D	A	B	C	D	
.062SPP	.047	.375	.375	.062	1.19	9.53	9.53	1.58	1,000
.067SPP	.047	.625	.625	.067	1.19	15.88	15.88	1.70	1,000
.073SPP	.047	.625	.625	.073	1.19	15.88	15.88	1.85	1,000
.091SPP	.062	.625	.625	.091	1.58	15.88	15.88	2.31	1,000
.093SPP	.062	.625	.625	.093	1.58	15.88	15.88	2.36	1,000
.109SPP	.062	.625	.625	.109	1.58	15.88	15.88	2.77	1,000
.125SPP	.082	.625	.625	.125	2.08	15.88	15.88	3.18	500
.130SPP	.082	.625	.625	.130	2.08	15.88	15.88	3.30	500
.130LSP	.082	1.000	1.000	.130	2.08	25.41	25.41	3.30	500
.140SPP	.082	.625	.625	.140	2.08	15.88	15.88	3.56	500
.154SPP	.082	.625	.625	.154	2.08	15.88	15.88	3.91	500
.156SPP	.082	.625	.625	.156	2.08	15.88	15.88	3.96	500
.162SPP	.093	.625	.625	.162	2.36	15.88	15.88	4.12	500
.187SPP	.110	.625	.625	.187	2.79	15.88	15.88	4.75	500
.195SPP	.110	.625	.625	.195	2.79	15.88	15.88	4.95	500
.218SPP	.110	1.000	1.000	.218	2.79	25.41	25.41	5.54	500
.225SPP	.125	1.000	1.000	.225	3.18	25.41	25.41	5.72	500
.257SPP	.130	1.000	1.000	.257	3.30	25.41	25.41	6.53	500
.275SPP	.130	.950	.950	.275	3.30	24.14	24.14	6.99	200
.281SPP	.130	1.000	1.000	.281	3.30	25.41	25.41	7.14	200
.312SPP	.147	1.000	1.000	.312	3.73	25.41	25.41	7.93	200
.332SPP	.250	.800	1.125	.332	6.35	20.33	28.58	8.43	200
.335SPP	.157	1.000	1.000	.335	3.99	25.41	25.41	8.51	200
.350SPP	.157	1.000	.900	.350	3.99	25.41	22.87	8.89	200
.388SPP	.157	1.000	1.000	.388	3.99	25.41	25.41	9.86	200
.400SPP	.157	1.000	1.000	.400	3.99	25.41	25.41	10.16	200
.414SPP	.157	1.000	1.000	.414	3.99	25.41	25.41	10.52	200
.440SPP	.157	1.000	1.000	.440	3.99	25.41	25.41	11.18	200
.445SPP	.157	1.000	1.000	.445	3.99	25.41	25.41	11.31	200
.468SPP	.250	1.000	1.000	.468	6.35	25.41	25.41	11.89	200
.500SPP	.250	1.000	1.000	.500	6.35	25.41	25.41	12.70	200
.510SPP	.250	1.000	1.000	.510	6.35	25.41	25.41	12.96	200
.530SPP	.250	1.000	1.000	.530	6.35	25.41	35.41	13.47	200
.612SPP	.250	1.000	1.000	.612	6.35	25.41	25.41	15.55	100
.640SPP	.375	1.000	1.000	.640	9.53	25.41	25.41	16.26	100
.700SPP	.375	1.000	1.000	.700	9.53	25.41	25.41	17.78	100
.770SPP	.375	1.125	1.125	.770	9.53	28.58	28.58	19.56	100
.896SPP	.375	1.000	1.000	.896	9.53	25.41	25.41	22.76	100
1.020SPP	.375	1.000	1.000	1.020	9.53	25.41	25.41	25.91	50
1.380SPP	.500	1.000	1.000	1.380	12.70	25.41	25.41	35.06	50

\* For EPDM Tapered Plugs part number prefix should be BNP instead of CSP.

\*\* For EPDM Pull Plugs part number prefix should be NPP instead of SPP.

**HIGH TEMPERATURE WASHER PLUGS**

PART NUMBER	I N C H E S			M I L L I M E T E R S		
	A	B	C	A	B	C
WP130-375-140	.130	.375	.140	3.30	9.53	3.56
WP130-500-250	.130	.500	.250	3.30	12.70	6.35
WP130-500-375	.130	.500	.375	3.30	12.70	9.53
WP140-250-200	.140	.250	.200	3.56	6.35	5.08
WP140-375-238	.140	.375	.238	3.56	9.53	6.05
WP155-500-390	.155	.500	.390	.394	12.70	9.91
WP180-250-140	.180	.250	.140	4.57	6.35	3.56
WP180-500-238	.180	.500	.238	4.57	12.70	6.05

## MASKING DISCS

Discs available in Polyester and Kapton®.

**Polyester** Discs are 2 mils thick with 1.5 mils silicone adhesive. Standard colors are green and blue. Recommended uses include:

- Powder Coating
- Electroplating
- Chrome Plating
- Anodizing

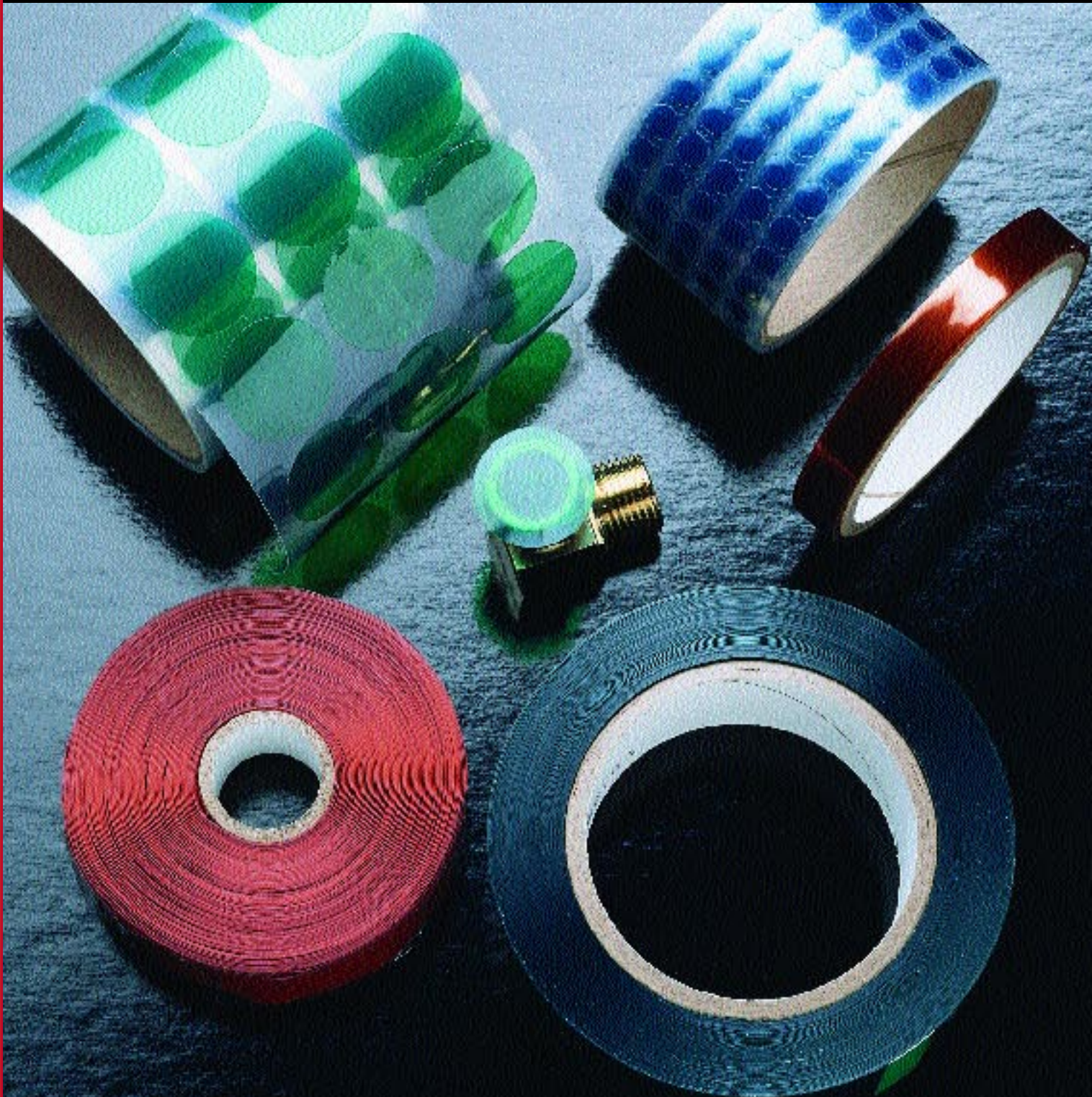
**Kapton®** Discs are 1 mils thick with 1.5 mils silicone adhesive. Standard color is amber. Recommended uses include:

- Powder Coating
- Solder Wave

## MASKING TAPE

Tape available in Silicone, Polyester, and Kapton®. Silicone tape is unique in that it self fuses to itself. It does not depend on a surface coating of messy adhesives which collect dust, dirt and other contaminants as with traditional tape. Some uses include:

- Protecting Electrical splices
- Sealing Joints
- Paint Mask
- Emergency insulating barrier
- Anti-slip covering on tool handles



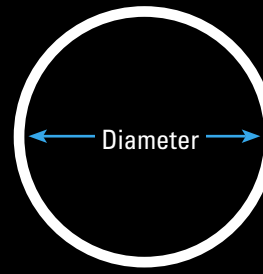
**Materials available:**

**Silicone** A true high performance, general purpose insulator and high-temperature mask. It is an excellent electrical insulator and will withstand temperatures up to 260°C/500°F.

**Polyester** Withstands temperatures up to 199°C/390°F.

**Kapton®** Withstands temperatures up to 204°C/400°F continuously and up to 371°C/700°F intermittently.

Kapton is a registered trademark of DuPont.



**Note:** Custom Die-Cut shapes and Diameters up to 18" are available upon request.

**MASKING DISCS**

**HIGH TEMPERATURE POLYESTER MASKING TAPE**

PART NUMBER	MATERIAL	WIDTH INCHES	WIDTH MILLIMETERS	THICKNESS (MILS)	YARDS PER ROLL
TPOL-4	POLYESTER	.250	6.35	2	36
TPOL-8	POLYESTER	.500	12.70	2	72
TPOL-12	POLYESTER	.750	19.05	2	72
TPOL-16	POLYESTER	1.000	25.41	2	72
TPOL-24	POLYESTER	1.500	38.11	2	72
TPOL-32	POLYESTER	2.000	50.81	2	72

**HIGH TEMPERATURE KAPTON MASKING TAPE**

PART NUMBER	MATERIAL	WIDTH INCHES	WIDTH MILLIMETERS	THICKNESS (MILS)	YARDS PER ROLL
TKAP-4	KAPTON	.250	6.35	1	36
TKAP-8	KAPTON	.500	12.70	1	36
TKAP-12	KAPTON	.750	19.05	1	36
TKAP-16	KAPTON	1.000	25.41	1	36
TKAP-24	KAPTON	1.500	38.11	1	36
TKAP-32	KAPTON	2.000	50.81	1	36

**HIGH TEMPERATURE SILICONE MASKING TAPE**

PART NUMBER	MATERIAL	WIDTH INCHES	WIDTH MILLIMETERS	THICKNESS (MILS)	YARDS PER ROLL
SIL-16	SILICONE	1.000	25.41	20	12

**HIGH TEMPERATURE MASKING DISCS**

PART NUMBER	AVAILABLE MATERIAL	DIAMETER INCHES	DIAMETER MILLIMETERS	QTY PER ROLL
125	POLY/KAPTON	.125	3.18	2,000
187	POLY/KAPTON	.187	4.75	2,000
250	POLY/KAPTON	.250	6.35	2,000
312	POLY/KAPTON	.312	7.93	2,000
375	POLY/KAPTON	.375	9.53	2,000
437	POLY/KAPTON	.437	11.10	2,000
500	POLY/KAPTON	.500	12.70	2,000
562	POLY/KAPTON	.562	14.28	2,000
625	POLY/KAPTON	.625	15.88	2,000
687	POLY/KAPTON	.687	17.45	1,000
750	POLY/KAPTON	.750	19.05	1,000
812	POLY/KAPTON	.812	20.63	1,000
875	POLY/KAPTON	.875	22.23	500
937	POLY/KAPTON	.937	23.81	500
1000	POLY/KAPTON	1.000	25.41	500
1062	POLY/KAPTON	1.062	26.98	500
1125	POLY/KAPTON	1.125	28.58	500
1187	POLY/KAPTON	1.187	30.16	500
1250	POLY/KAPTON	1.250	31.76	500
1312	POLY/KAPTON	1.312	33.33	500
1375	POLY/KAPTON	1.375	34.93	500
1437	POLY/KAPTON	1.437	36.51	500
1500	POLY/KAPTON	1.500	38.11	500
1562	POLY/KAPTON	1.562	39.68	500
1625	POLY/KAPTON	1.625	41.29	250
1687	POLY/KAPTON	1.687	42.86	250
1750	POLY/KAPTON	1.750	44.46	250
1812	POLY/KAPTON	1.812	46.04	250
1875	POLY/KAPTON	1.875	47.64	250
1937	POLY/KAPTON	1.937	49.21	250
2000	POLY/KAPTON	2.000	50.81	100
3000	POLY/KAPTON	3.000	76.22	100
4000	POLY/KAPTON	4.000	101.63	100

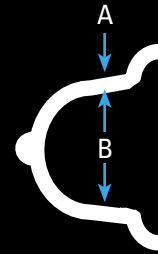
## HP SERIES PLUGS

HP Series Plugs ensure easy removal without use of tools. Simply pull tab. The snug conforming fit HP plugs offers ensures they won't pop out during shipping, painting and manufacturing.

Harman plugs are ideal for:

- Masking from Painting and Plating
- Dust & Moisture Protectors
- Thread protectors

Standard color is red.



## HP SERIES PLUGS



## HP SERIES PLUGS

PART NUMBER	A	B	A	B	NAT. PIPE THREAD	STANDARD THREAD
	I N C H E S		M I L L I M E T E R S			
HP-05	.195	.125	4.95	3.18		1/4
HP-1	.285	.225	7.24	5.72		5/16
HP-2	.380	.290	9.65	7.37	1/8	3/8
HP-25	.430	.340	10.92	8.64		7/16
HP-3	.495	.365	12.58	9.27	1/4	1/2
HP-35	.545	.445	13.85	11.31		9/16
HP-4	.650	.515	16.51	13.08	3/8	5/8
HP-5	.805	.685	20.45	17.40	1/2	3/4
HP-55	.850	.745	21.60	28.93		7/8
HP-6	1.020	.895	25.91	22.74	3/4	1-1/16
HP-7	1.270	1.145	32.27	29.09	1	1-3/16
HP-7	1.270	1.145	32.27	29.09	1	1-1/4
HP-7	1.270	1.145	32.27	29.09	1	1-5/16

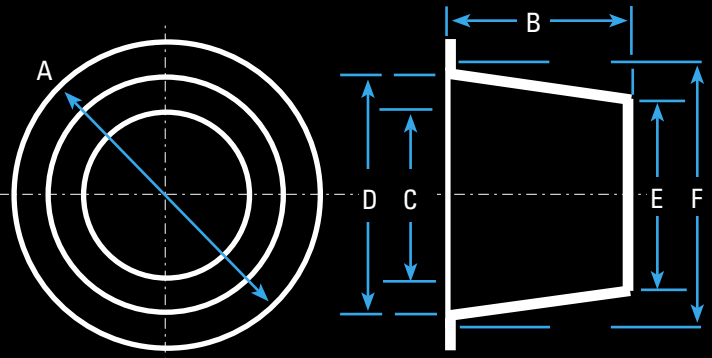


## TAPERED CAPS & PLUGS

The tapered design of this product allows them to function as both Cap and Plug. For caps, the "C" dimension must be at least .020" less than the diameter to be capped. For plugs, the "F" dimension must be at least .020" greater than opening. Heat resistance, 180-200° F (82-93° C).

MIL Spec: (MIL-C-5501/7).

Material is Low-Density Polyethylene.  
Standard color is Orange.



## TAPERED CAPS & PLUGS

PART NUMBER	NAT. PIPE THREAD		UNIFIED THREAD		METRIC THREAD		DIMENSIONS (INCHES)						DIMENSIONS (MILLIMETER)						QTY PER BOX
	CAP	PLUG	CAP	PLUG	CAP	PLUG	A	B	C	D	E	F	A	B	C	D	E	F	
234-A				10/32	M2/M2.5	M5	.313	.406	.052	.117	.116	.181	7.94	10.32	1.32	2.97	2.95	4.60	25,000
235-C				1/4	M3/M3.5	M6	.375	.406	.110	.177	.174	.241	9.52	10.32	2.79	4.50	4.42	6.12	30,000
235-T					M4		.453	.344	.146	.211	.210	.275	11.51	8.73	3.71	5.36	5.33	6.99	10,000
235-V					M4.5	M7	.375	.344	.150	.210	.209	.269	9.52	8.73	3.81	5.33	5.31	6.83	15,000
236-X				5/16	M5	M8x1	.469	.375	.175	.239	.239	.303	11.91	9.52	4.44	6.07	6.07	7.70	45,000
236-L					M6		.469	.406	.205	.273	.267	.335	11.91	10.32	5.21	6.93	6.78	8.51	20,000
237-Y			5/16	3/8	M7	M10x1.25	.500	.406	.235	.303	.299	.367	12.70	10.32	5.97	7.70	7.59	9.32	25,000
229-Z		1/8					.563	.375	.267	.333	.331	.397	14.97	9.52	6.78	8.46	8.41	10.08	15,000
238-D				7/16	M8x1	M12	.563	.406	.298	.364	.362	.428	14.29	10.32	7.57	9.25	9.19	10.87	20,000
239-E			3/8			M12x1.25	.594	.406	.328	.395	.392	.459	15.08	10.32	8.33	10.03	9.96	11.66	20,000
181	1/8	1/4		1/2	M10x1.25	M14	.625	.406	.358	.422	.422	.486	15.88	10.32	9.09	10.72	10.72	12.34	20,000
240			7/16			M14x1.5	.656	.406	.384	.448	.448	.512	16.67	10.32	9.75	11.38	11.38	13.00	7,000
189			1/2	9/16			.688	.469	.408	.484	.472	.548	17.46	11.91	10.36	12.29	11.99	13.92	10,000
189-2					M12x1.25	M16	.719	.469	.436	.504	.500	.568	18.26	11.91	11.07	12.80	12.70	14.43	10,000
241	1/4			5/8			.750	.469	.469	.544	.533	.608	19.05	11.91	11.91	13.82	13.54	15.44	10,000
188		3/8	9/16			M18	.781	.500	.487	.569	.551	.633	19.84	12.70	12.37	14.45	14.00	16.08	10,000
242			5/8		M14x1.5	M18x1.5	.844	.531	.518	.606	.580	.668	21.43	13.49	13.16	15.39	14.73	16.97	7,000
242-2							.844	.531	.549	.634	.610	.695	21.43	13.49	13.94	16.10	15.49	17.65	7,500
243				3/4		M20	.875	.500	.578	.665	.642	.729	22.23	12.70	14.68	16.89	16.31	18.52	7,500
191	3/8				M16x1.5	M20x1.5	.875	.531	.614	.691	.678	.755	22.23	13.49	15.60	17.55	17.22	19.18	7,500
203		1/2				M22	.938	.594	.627	.723	.691	.787	23.81	15.08	15.93	18.36	17.55	19.99	5,000
245			3/4			M22x1.5	1.000	.594	.663	.761	.727	.825	25.40	15.08	16.84	19.33	18.47	20.95	5,000
246				7/8	M18x1.5	M24	1.000	.594	.688	.785	.752	.849	25.40	15.08	17.48	19.94	19.10	21.56	5,000
204	1/2			15/16		M24x2	1.063	.656	.739	.848	.803	.912	26.99	16.67	18.77	21.54	20.40	23.16	3,500
247			7/8	1	M20x1.5		1.125	.625	.755	.869	.819	.933	28.57	15.88	19.18	22.07	20.80	23.70	3,000
192-2		3/4					1.125	.656	.805	.909	.869	.973	28.57	16.67	20.45	23.09	22.07	24.71	2,500
248				11/16	M22x1.5	M27x2	1.156	.719	.855	.980	.915	1.040	29.37	18.26	21.72	24.89	23.24	26.42	2,500
249	3/4				M24x2		1.281	.750	.903	1.028	.967	1.092	32.54	19.05	22.94	26.11	24.56	27.74	2,500
153			1-1/16			M30x2	1.313	.781	.933	1.080	.997	1.144	33.34	19.84	23.70	27.43	25.32	29.06	4,000
193		1		1-1/4	M27x2	M33	1.406	.781	1.029	1.155	1.093	1.219	36.51	19.84	26.14	29.34	27.76	30.96	1,500
250				1-5/16		M33x2	1.438	.750	1.115	1.222	1.179	1.286	36.51	19.05	28.32	31.04	29.95	32.66	1,500
205	1		1-5/16			M36x3	1.500	.844	1.175	1.300	1.233	1.358	38.10	21.43	29.84	33.02	31.32	34.49	1,500
253					M33x2	M39x3	1.625	.750	1.248	1.401	1.312	1.465	41.27	19.05	31.70	35.59	33.32	37.21	1,500
254		1-1/4			M36x3		1.750	.750	1.387	1.537	1.451	1.601	44.45	19.05	35.23	39.04	36.86	40.67	1,000
195-F	1-1/4		1-5/8		M39x3		1.875	.781	1.498	1.620	1.560	1.682	47.62	19.84	38.05	41.15	39.62	42.72	3,500
255							1.938	.750	1.569	1.686	1.633	1.750	49.21	19.05	39.85	42.82	41.48	44.45	1,000
1972		1-1/2		1-7/8			2.031	.750	1.664	1.794	1.720	1.850	51.59	19.05	42.27	45.57	43.69	46.99	3,500
196		1-1/2		1-7/8			2.000	.781	1.688	1.818	1.752	1.882	50.80	19.84	42.88	46.18	44.50	47.80	3,500
206	1-1/2		1-7/8				2.156	1.000	1.743	1.874	1.807	1.938	54.77	25.40	44.27	47.60	45.90	49.23	1,000
256							2.125	1.000	1.783	1.936	1.847	2.000	53.97	25.40	45.29	49.17	46.91	50.80	500

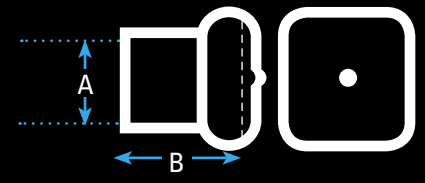
### ANTI-ROLL CAPS

The square shape of these caps prevents containers from rolling. Unique cap-bottom design even allows products to be positioned upright. Many sizes.

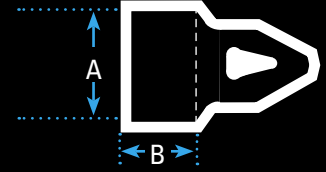
### HANGER CAPS

Add convenience to hundreds of products. They're made of a flexible vinyl that firmly grips the product. Ideal for:

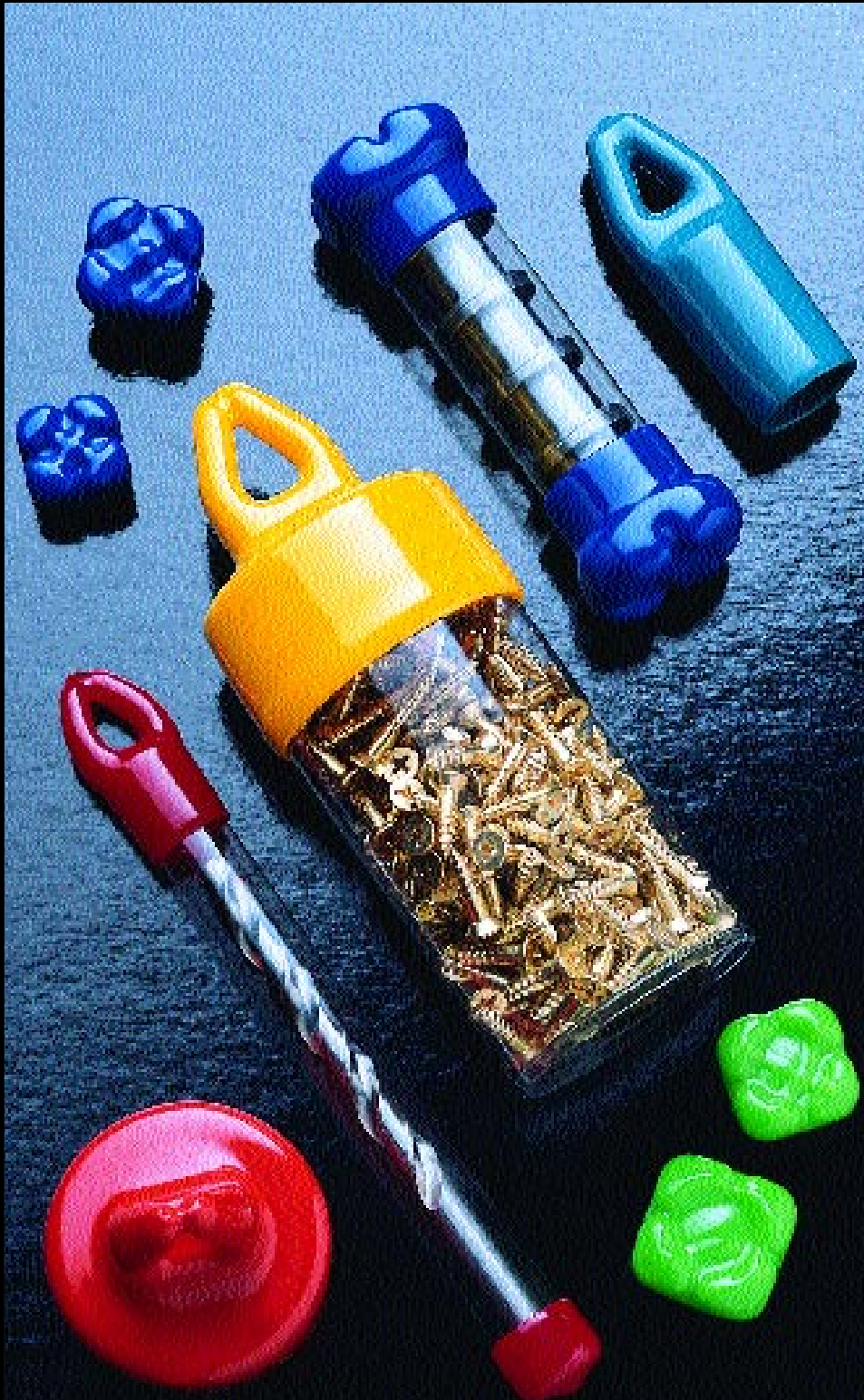
- Tools
- Toys
- Sporting goods
- Kitchen utensils
- Brooms, brushes & shovels



**ANTI-ROLL CAPS**



**HANGER CAPS**



### ANTI-ROLL CAPS

A DIAMETER	B LENGTH*	A DIAMETER	B LENGTH*
I N C H E S		M I L L I M E T E R	
.625	1-1/2	15.88	38.11
.750	1-1/2	19.05	38.11
.875	1-1/2	22.23	38.11
1.000	1-1/2	25.41	38.11

### HANGER CAPS

A DIAMETER	B LENGTH*	A DIAMETER	B LENGTH*
I N C H E S		M I L L I M E T E R	
.625	2	15.88	50.81
.750	2	19.05	50.81
.880	2	22.36	50.81
1.062	2	26.98	50.81
1.250	2	31.76	50.81
1.437	2	36.51	50.81
1.500	2	38.11	50.81
2.000	2	50.81	50.81

\*Lengths can be adjusted to your specification.



**Do you have a shape that a standard size won't fit?**

Have Harman design and produce a product that will work. We put over 30 years of experience into every job. By going with a dip molded product, tooling is usually below 1/10th the cost of an injection molded part. Not only will you save money on tooling, you will gain the flexibility and quick turn around time that Harman can offer. A part can easily be made longer and thicker without having to alter the tooling.

**SECONDARY OPERATIONS**

Harman Corporation has devoted an entire department to secondary operations (punching, cutting and printing). Our cutting and punching machines will leave clean edges with no frays. Using an exclusive ink designed specifically for our product, instructions, your company's logo, or any graphic can be inexpensively imprinted on our vinyl.



To place order, phone (248)651-4477 or visit us at [www.harmancorp.com](http://www.harmancorp.com) **18**



**Hand Tool Industry**



**Custom Hand Tool Industry**



**Fitness Industry**



**Toy Industry**



**Lawn & Garden Industry**



**Automotive Industry**

**FREE SAMPLES**

available for same day shipment.

Call for catalog, fax your requirements or visit us at [www.harmancorp.com](http://www.harmancorp.com)



**HARMAN CORPORATION**

**Worldwide Supplier of Caps, Grips, Plugs & High Temperature Masking Supplies**

P. O. Box 80665  
360 South Street  
Rochester, Michigan  
48307 USA  
Telephone (248) 651-4477  
Fax (248) 651-4495