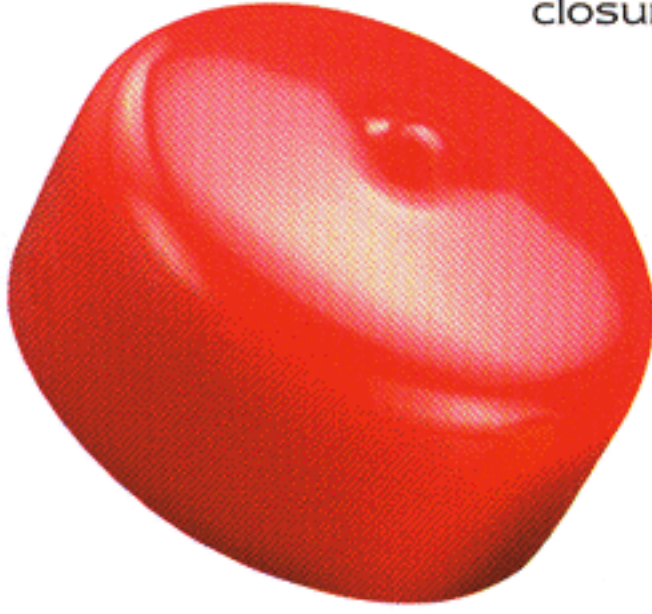




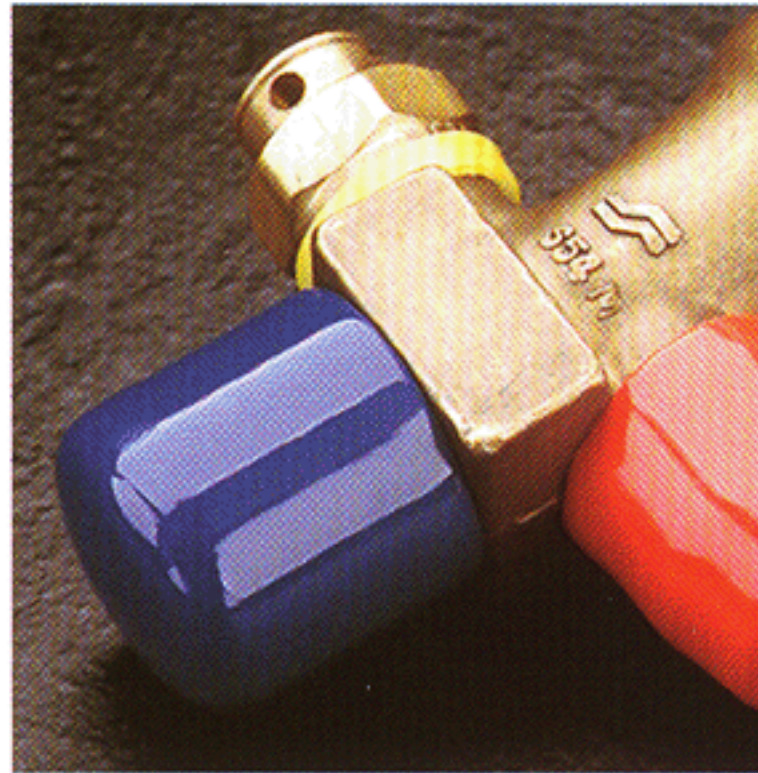
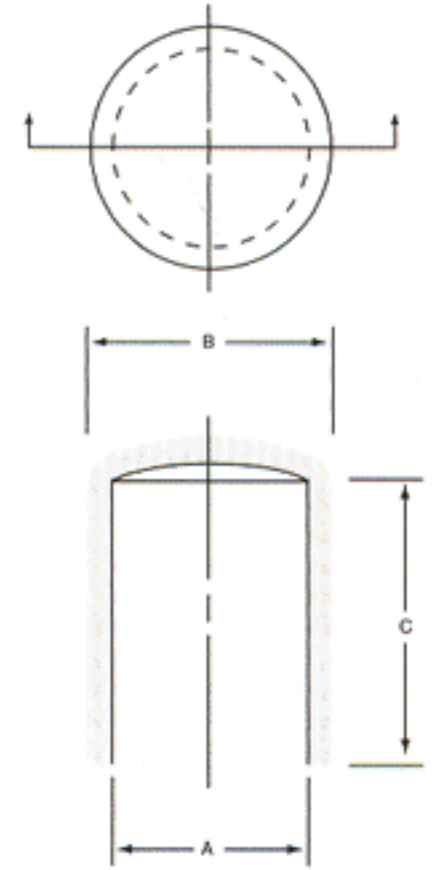
# CAPS Polaris Vinyl

## VC Series Round Vinyl Caps

Series VC Caplugs are extremely flexible and durable protective closures which are ideal for use as thread protectors, dust and moisture seals, pipe and stud end color coding, and for masking during painting or plating operations.



**MATERIAL:** Vinyl  
**COLORS\*:** White, Black, Brown, Orange, Red, Green, Grey, Blue, Yellow – Call factory for colors in stock  
**AVAILABILITY:** Consult Factory



**Note:**

- VC-054 has a maximum length of .750".
- VC-062 has a maximum length of 1.25".
- VC-080 through VC-125 have a maximum length of 1.5".
- VC-140 through VC-250 have a maximum length of 2".
- VC-281 through VC-21000 have various maximum lengths of up to 8". Call factory for details.

EXPANDED





## VC Series

Dimensions						Packaging				Caplug No.
A		B		C		Standard Carton		Mini Pak Quantity		
in	mm	in	mm	in	mm	Shipping Wt. (Approx.)			No. of Pieces	
						lbs	kgs			
.054	1.37	.09	2.39	.625	9.53	2	0.1	5000	1000	VC-054-10
.062	1.57	.12	3.05	.625	9.53	2	0.9	5000	1000	VC-062-10
.072	1.83	.13	3.35	.625	9.53	3	1.3	5000	1000	VC-072-10
.080	2.03	.14	3.56	.625	9.53	2	0.9	5000	1000	VC-080-10
.093	2.36	.15	3.81	.750	19.05	3	1.3	5000	1000	VC-093-12
.109	2.77	.18	4.57	.750	19.05	3	1.3	5000	1000	VC-109-12
.125	3.18	.20	5.08	.500	12.70	3	1.3	5000	1000	VC-125-8
.125	3.18	.20	5.08	1.00	25.40	5	2.2	5000	1000	VC-125-16
.140	3.56	.21	5.33	.500	12.70	4	1.8	5000	1000	VC-140-8
.140	3.56	.21	5.33	1.00	25.40	7	3.1	5000	1000	VC-140-16
.156	3.96	.24	6.10	.500	12.70	4	1.8	5000	1000	VC-156-8
.156	3.96	.24	6.10	1.00	25.40	7	3.1	5000	1000	VC-156-16
.172	4.37	.25	6.35	.500	12.70	5	2.2	5000	1000	VC-172-8
.172	4.37	.25	6.35	1.00	25.40	8	3.6	5000	1000	VC-172-16
.187	4.75	.27	6.86	.500	12.70	6	2.7	5000	1000	VC-187-8
.187	4.75	.27	6.86	1.00	25.40	10	4.5	5000	1000	VC-187-16
.187	4.75	.27	6.86	1.50	38.10	17	7.6	4000	800	VC-187-24
.203	5.16	.29	7.37	.500	12.70	6	2.7	5000	1000	VC-203-8
.203	5.16	.29	7.37	1.00	25.40	11	4.9	5000	1000	VC-203-16
.218	5.54	.31	7.87	.500	12.70	7	3.1	5000	1000	VC-218-8
.218	5.54	.31	7.87	1.00	25.40	13	5.8	5000	1000	VC-218-16
.234	5.94	.32	8.13	.500	12.70	7	3.1	5000	1000	VC-234-8
.234	5.94	.32	8.13	1.00	25.40	13	5.8	5000	1000	VC-234-16
.250	6.35	.35	8.89	.500	12.70	7	3.1	5000	1000	VC-250-8
.250	6.35	.35	8.89	1.00	25.40	13	5.8	5000	1000	VC-250-16
.281	7.14	.38	9.65	.500	12.70	9	4.0	5000	1000	VC-281-8
.281	7.14	.38	9.65	1.00	25.40	15	6.8	5000	1000	VC-281-16
.304	7.72	.41	10.52	.500	12.70	12	5.4	5000	1000	VC-304-8
.304	7.72	.41	10.52	1.00	25.40	16	7.2	4000	800	VC-304-16
.312	7.93	.42	10.67	.500	12.70	11	4.9	5000	1000	VC-312-8
.312	7.93	.42	10.67	1.00	25.40	17	7.6	5000	1000	VC-312-16
.312	7.93	.41	10.41	1.50	38.10	14	6.3	2500	500	VC-312-24
.343	8.71	.45	11.43	.500	12.70	12	5.4	5000	1000	VC-343-8
.343	8.71	.45	11.43	1.00	25.40	11	4.9	2500	500	VC-343-16
.375	9.53	.50	12.70	.500	12.70	16	7.2	5000	1000	VC-375-8
.375	9.53	.50	12.70	1.00	25.40	14	6.3	2500	500	VC-375-16
.406	10.31	.53	13.46	.500	12.70	16	7.2	5000	1000	VC-406-8
.406	10.31	.53	13.46	1.00	25.40	14	6.3	2500	500	VC-406-16
.437	11.10	.56	14.22	.500	12.70	17	7.6	5000	1000	VC-437-8
.437	11.10	.56	14.22	1.00	25.40	15	6.8	2500	500	VC-437-16
.467	11.86	.58	14.66	.500	12.70	16	7.2	5000	1000	VC-467-8
.467	11.86	.58	14.66	1.00	25.40	15	6.8	2500	500	VC-467-16
.500	12.70	.62	15.75	.500	12.70	17	7.6	5000	1000	VC-500-8
.500	12.70	.62	15.75	1.00	25.40	15	6.8	2500	500	VC-500-16
.531	13.49	.65	16.51	.500	12.70	18	8.1	5000	1000	VC-531-8
.531	13.49	.65	16.51	1.00	25.40	16	7.2	2500	500	VC-531-16
.562	14.28	.69	17.53	.500	12.70	10	4.5	2500	500	VC-562-8
.562	14.28	.69	17.53	1.00	25.40	18	8.1	2500	500	VC-562-16
.625	15.88	.76	19.30	.500	12.70	12	5.4	2500	500	VC-625-8
.625	15.88	.76	19.30	1.00	25.40	20	9.0	2500	500	VC-625-16
.625	15.88	.75	19.05	1.50	38.10	24	10.9	2000	400	VC-625-24
.687	17.45	.82	20.83	.500	12.70	14	6.3	2500	500	VC-687-8
.687	17.45	.82	20.83	1.00	25.40	10	4.5	1000	200	VC-687-16
.750	19.05	.88	22.35	.500	12.70	16	7.2	2500	500	VC-750-8
.750	19.05	.88	22.35	1.00	25.40	11	4.9	1000	200	VC-750-16
.812	20.63	.94	23.88	.500	12.70	16	7.2	2500	500	VC-812-8
.812	20.63	.94	23.88	1.00	25.40	11	4.9	1000	200	VC-812-16
.812	20.63	.94	23.88	1.50	38.10	17	7.6	1000	200	VC-812-24
.875	22.23	1.02	25.91	.500	12.70	17	7.6	2500	500	VC-875-8
.875	22.23	1.02	25.91	1.00	25.40	12	5.4	1000	200	VC-875-16
.875	22.23	1.01	25.66	1.50	38.10	19	8.6	1000	200	VC-875-24
.937	23.80	1.08	27.43	.500	12.70	19	8.6	2500	500	VC-937-8

Lengths are available in 1/16" (1.6mm) increments. Length tolerance is ±1/16" (1.6mm).





# CAPS Polaris Vinyl

## VC Series Round Vinyl Caps (cont'd)

Caplug No.	Dimensions						Packaging			
	A		B		C		Standard Carton		No. of Pieces	Mini Pak Quantity
	in	mm	in	mm	in	mm	Shipping Wt. (Approx.)			
						lbs	kgs			
VC-937-16	.937	23.80	1.08	27.43	1.000	25.40	13	5.8	1000	200
VC-1000-8	1.000	25.40	1.14	28.96	.500	12.70	9	4.0	1000	200
VC-1000-16	1.000	25.40	1.14	28.96	1.000	25.40	14	6.3	1000	200
VC-1000-24	1.000	25.40	1.13	28.70	1.500	38.10	24	10.9	1000	200
VC-1062-16	1.062	26.97	1.21	30.73	1.000	25.40	19	8.6	1200	240
VC-1090-16	1.090	27.69	1.22	30.99	1.000	25.40	18	8.1	1200	240
VC-1125-16	1.125	28.57	1.28	32.51	1.000	25.40	20	9.0	1200	240
VC-1187-16	1.187	30.14	1.34	34.04	1.000	25.40	18	8.1	1000	200
VC-1250-16	1.250	31.75	1.40	35.56	1.000	25.40	19	8.6	1000	200
VC-1250-24	1.250	31.75	1.38	35.05	1.500	38.10	16	7.2	500	100
VC-1312-16	1.312	33.32	1.45	36.88	1.000	25.40	18	8.1	800	160
VC-1312-24	1.312	33.32	1.45	36.88	1.500	38.10	19	8.6	600	120
VC-1375-16	1.375	34.92	1.53	38.86	1.000	25.40	17	7.7	800	160
VC-1375-24	1.375	34.92	1.51	38.35	1.500	38.10	14	6.3	400	80
VC-1500-16	1.500	38.10	1.66	42.16	1.000	25.40	18	8.1	750	150
VC-1500-24	1.500	38.10	1.63	41.40	1.500	38.10	13	5.8	300	60
VC-1593-16	1.593	40.46	1.72	43.76	1.000	25.40	19	8.6	750	150
VC-1625-16	1.625	41.27	1.79	45.47	1.000	25.40	20	9.0	750	150
VC-1687-16	1.687	42.84	1.85	46.99	1.000	25.40	19	8.6	700	140
VC-1750-16	1.750	44.45	1.91	48.51	1.000	25.40	20	9.0	700	140
VC-1875-16	1.875	47.62	2.04	51.82	1.000	25.40	19	8.6	600	120
VC-2000-16	2.000	50.80	2.16	54.86	1.000	25.40	20	9.0	600	120
VC-2000-24	2.000	50.80	2.13	54.10	1.500	38.10	16	7.2	300	60
VC-2125-16	2.125	53.98	2.275	57.79	1.000	25.40	17	7.6	500	100
VC-2156-16	2.156	54.76	2.306	58.57	1.000	25.40	16	7.2	500	100
VC-2250-16	2.250	57.15	2.400	60.96	1.000	25.40	22	10.0	500	100
VC-2250-24	2.250	57.15	2.400	60.96	1.500	38.10	20	9.0	300	60
VC-2375-16	2.375	59.56	2.525	64.14	1.000	25.40	20	9.0	400	80
VC-2375-24	2.375	59.56	2.525	64.14	1.500	38.10	20	9.0	300	60
VC-2460-16	2.460	62.48	2.610	66.29	1.000	25.40	19	8.6	400	80
VC-2500-16	2.500	63.50	2.650	67.31	1.000	25.40	21	9.5	400	80
VC-2500-24	2.500	63.50	2.650	67.31	1.500	38.10	19	8.6	250	50
VC-2625-16	2.625	66.67	2.775	70.49	1.000	25.40	23	10.4	400	80
VC-2625-24	2.625	66.67	2.775	70.49	1.500	38.10	13	5.8	200	40
VC-2687-16	2.687	68.25	2.847	72.31	1.000	25.40	23	10.4	400	80
VC-2750-16	2.750	69.85	2.910	73.91	1.000	25.40	19	8.6	300	60
VC-2750-24	2.750	69.85	2.910	73.91	1.500	38.10	12	5.4	200	40
VC-2875-16	2.875	73.03	3.035	77.09	1.000	25.40	13	5.8	250	50
VC-3000-16	3.000	76.20	3.160	80.26	1.000	25.40	18	8.1	250	50
VC-3000-24	3.000	76.20	3.160	80.26	1.500	38.10	25	11.3	250	50
VC-3125-16	3.125	79.37	3.285	83.44	1.000	25.40	15	6.8	250	N/A
VC-3125-24	3.125	79.37	3.285	83.44	1.500	38.10	27	12.2	300	N/A
VC-3250-18	3.250	82.55	3.410	86.61	1.125	25.40	16	7.2	200	N/A
VC-3375-18	3.375	85.73	3.535	89.79	1.125	25.40	13	5.8	200	N/A
VC-3500-18	3.500	88.90	3.660	92.96	1.125	25.40	13	5.8	150	N/A
VC-3500-24	3.500	88.90	3.660	92.96	1.500	38.10	18	8.1	200	N/A
VC-3625-18	3.625	92.08	3.785	96.14	1.125	28.58	15	6.8	200	N/A
VC-3750-18	3.750	92.25	3.910	99.31	1.125	28.58	19	8.6	200	N/A
VC-3875-18	3.875	98.43	4.035	102.49	1.125	28.58	20	9.0	200	N/A
VC-4000-20	4.000	101.60	4.160	105.66	1.250	31.75	12	5.4	100	N/A
VC-4125-20	4.125	104.78	4.285	108.84	1.250	31.75	18	8.1	150	N/A
VC-4187-20	4.187	106.35	4.347	110.41	1.250	31.75	13	5.8	100	N/A
VC-4250-20	4.250	107.95	4.410	112.01	1.250	31.75	18	8.1	150	N/A
VC-4375-20	4.375	111.13	4.535	115.19	1.250	31.75	19	8.6	150	N/A
VC-4500-20	4.500	114.30	4.660	118.36	1.250	31.75	20	9.0	150	N/A
VC-4750-20	4.750	120.65	4.910	124.71	1.250	31.75	21	9.5	150	N/A
VC-5000-22	5.000	127.00	5.180	131.57	1.375	34.93	20	9.0	125	N/A

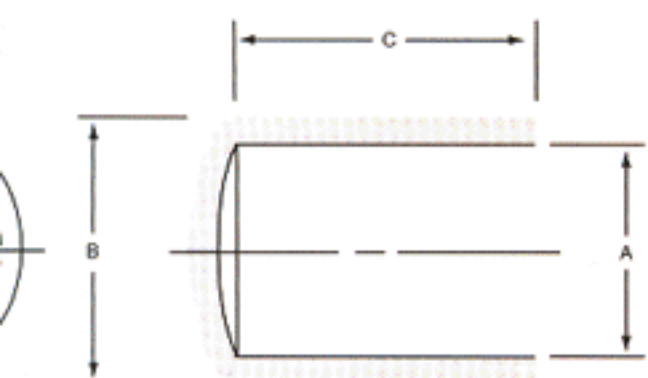




## VC Series (cont'd)

Dimensions						Packaging			Caplug No.	
A		B		C		Standard Carton		Mini Pak Quantity		
in	mm	in	mm	in	mm	Shipping Wt. (Approx.)				
						lbs	kgs	No. of Pieces		
5.187	131.75	5.367	136.32	1.375	34.93	21	9.5	125	N/A	VC-5187-22
5.375	136.53	5.555	141.10	1.375	34.93	20	9.0	100	N/A	VC-5375-22
5.500	139.70	5.680	144.27	1.375	34.93	21	9.5	100	N/A	VC-5500-22
6.000	152.40	6.180	156.97	1.500	38.10	22	10.0	90	N/A	VC-6000-24
6.250	158.75	6.430	163.32	1.500	38.10	23	10.4	90	N/A	VC-6250-24
6.500	165.10	6.680	169.67	1.500	38.10	22	10.0	80	N/A	VC-6500-24
7.000	177.80	7.180	182.37	1.500	38.10	16	7.2	50	N/A	VC-7000-24
7.250	184.15	7.430	188.72	1.500	38.10	22	10.0	70	N/A	VC-7250-24
7.500	190.50	7.680	195.07	1.500	38.10	19	8.6	50	N/A	VC-7500-24
7.750	196.85	7.930	201.42	1.750	44.45	19	8.6	50	N/A	VC-7750-28
8.000	203.20	8.180	207.77	1.750	44.45	20	9.0	50	N/A	VC-8000-28
8.500	215.90	8.680	220.47	1.750	44.45	22	10.0	50	N/A	VC-8500-28
8.750	222.25	8.930	226.82	1.750	44.45	23	10.4	50	N/A	VC-8750-28
9.000	228.60	9.200	233.68	1.750	44.45	21	9.5	40	N/A	VC-9000-28
9.250	234.95	9.450	240.03	1.750	44.45	22	10.0	40	N/A	VC-9250-28
9.375	238.10	9.575	243.21	1.750	44.45	22	10.0	40	N/A	VC-9375-28
9.500	241.30	9.700	246.38	1.750	44.45	23	10.4	40	N/A	VC-9500-28
9.625	244.48	9.825	249.56	1.750	44.45	23	10.4	40	N/A	VC-9625-28
9.875	250.83	10.075	255.91	1.750	44.45	24	10.9	40	N/A	VC-9875-28
10.000	254.00	10.200	259.08	2.000	50.80	23	10.4	35	N/A	VC-10000-32
10.312	261.92	10.512	267.00	2.000	50.80	17	7.6	25	N/A	VC-10312-32
10.750	273.05	10.950	278.13	2.000	50.80	18	8.1	25	N/A	VC-10750-32
11.000	279.40	11.200	284.48	2.000	50.80	19	8.6	25	N/A	VC-11000-32
11.375	288.93	11.575	294.01	2.000	50.80	19	8.6	25	N/A	VC-11375-32
11.750	298.45	11.950	303.53	2.000	50.80	20	9.0	25	N/A	VC-11750-32
12.000	304.80	12.200	309.88	2.000	50.80	21	9.5	25	N/A	VC-12000-32
12.250	311.15	12.450	316.23	2.000	50.80	22	10.0	25	N/A	VC-12250-32
12.500	317.50	12.700	322.58	2.000	50.80	22	10.0	25	N/A	VC-12500-32
12.625	320.68	12.825	325.76	2.000	50.80	23	10.4	25	N/A	VC-12625-32
12.875	327.03	13.075	332.11	2.000	50.80	23	10.4	25	N/A	VC-12875-32
13.250	336.50	13.470	342.14	2.000	50.80	24	10.9	25	N/A	VC-13250-32
13.500	342.90	13.720	348.49	2.000	50.80	25	11.3	25	N/A	VC-13500-32
13.600	345.44	13.820	351.03	2.000	50.80	26	11.8	25	N/A	VC-13600-32
14.000	355.60	14.220	361.19	2.000	50.80	27	12.2	25	N/A	VC-14000-32
14.250	361.95	14.470	367.54	2.000	50.80	27	12.2	25	N/A	VC-14250-32
14.500	368.30	14.720	373.89	2.000	50.80	28	12.7	25	N/A	VC-14500-32
15.000	381.00	15.220	386.59	2.000	50.80	30	13.6	25	N/A	VC-15000-32
15.625	396.88	15.845	402.46	2.000	50.80	32	14.5	25	N/A	VC-15625-32
15.875	403.23	16.115	409.32	2.000	50.80	33	15.0	25	N/A	VC-15875-32
16.000	406.50	16.240	412.50	2.000	50.80	40	18.1	25	N/A	VC-16000-32
16.500	419.10	16.740	425.20	2.000	50.80	42	19.1	25	N/A	VC-16500-32
17.375	441.33	17.615	447.42	2.500	63.50	49	22.2	25	N/A	VC-17375-40
18.000	457.20	18.240	463.30	2.500	63.50	52	23.6	25	N/A	VC-18000-40
19.000	482.60	19.240	488.70	2.500	63.50	56	25.4	25	N/A	VC-19000-40
20.000	508.00	20.240	514.10	2.500	63.50	62	28.1	25	N/A	VC-20000-40
21.000	533.40	21.240	539.50	2.500	63.50	68	30.8	25	N/A	VC-21000-40

Lengths are available in 1/16" (1.6mm) increments. Length tolerance is ±1/16" (1.6mm).







# CAPS Polaris Vinyl

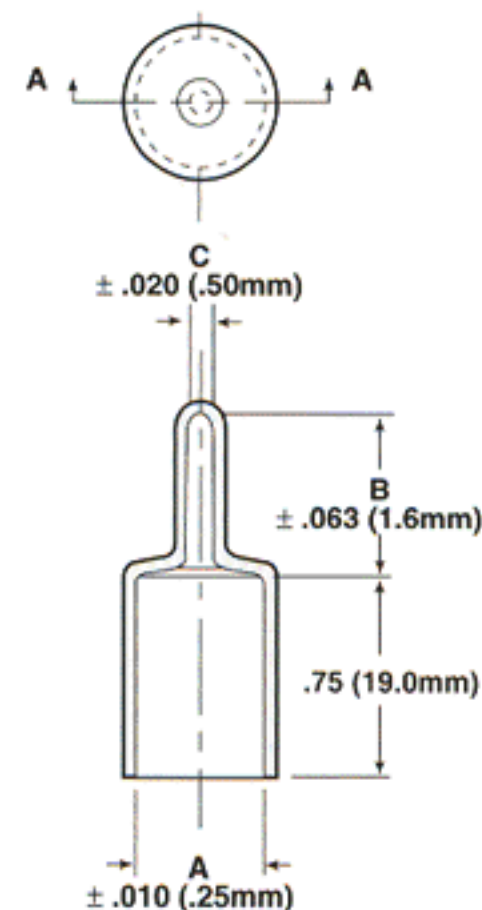
## EZ Series Flexible Vinyl Caps with Pull-Tab for Easy Removal

Series EZ-Pull Vinyl Caps feature an extra long tab centered at the top of the closure which allows the cap to be finger-removed easily, eliminating the use of tools which could damage threads or part surfaces. Molded from a specially formulated and flexible vinyl which enables a snug fit on parts, thereby providing better protection against dirt, moisture and impact damage.



**MATERIAL:** Vinyl  
**COLORS\*:** White, Black, Brown, Orange, Red, Green, Grey, Blue, Yellow – Call factory for colors in stock

**AVAILABILITY:** Consult Factory

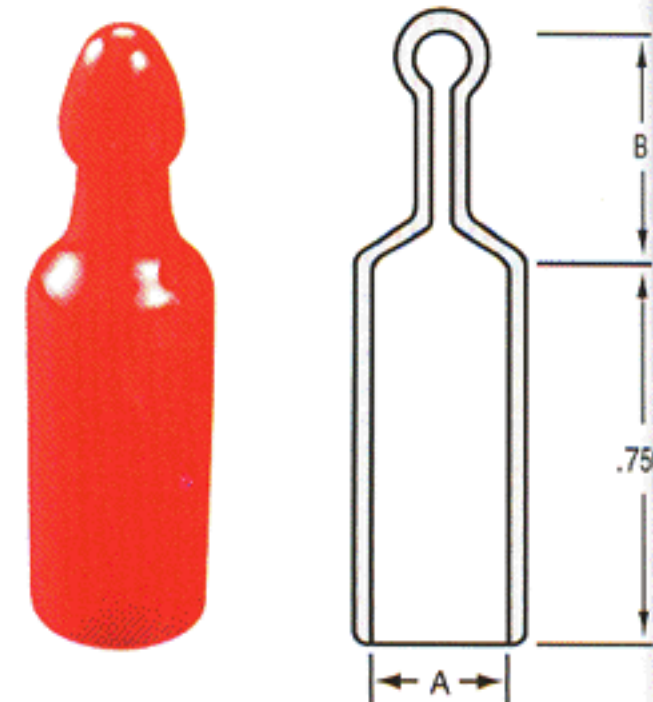


### Note:

- EZ-187 through EZ-240 have a maximum length of 1.5".
- EZ-240 through EZ-1480 have various maximum lengths of up to 4". Call factory for details.



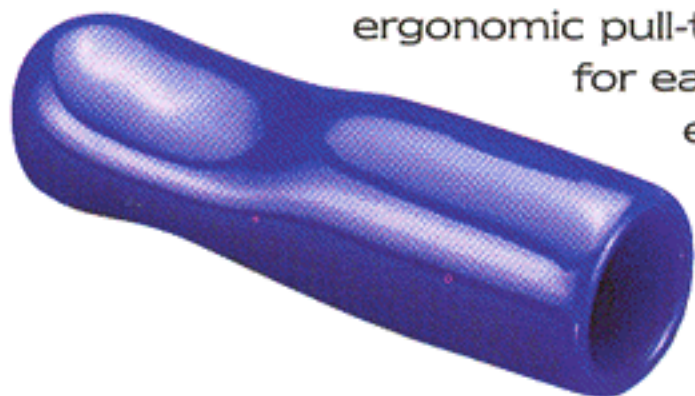
### EZ Series



All EZ Series parts are also available in special ergonomic pull-tab style EZ Series. Consult factory. (Not available in high temp material)

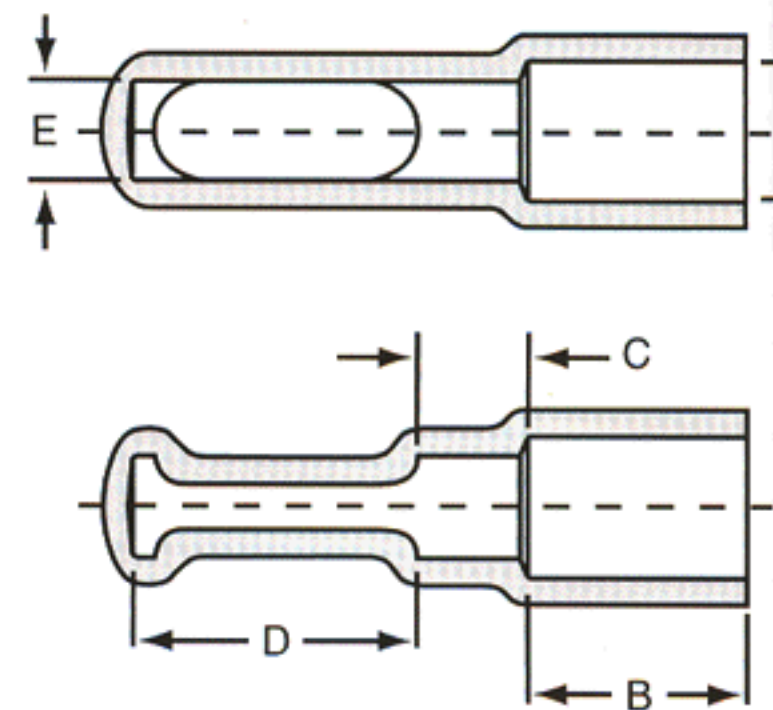
## VFE Series Vinyl Caps with Flat Ergonomic Pull-Tab

Series VFE Caps feature a long, flat ergonomic pull-tab, which allows for easy removal. The ergonomic design offers an easier gripping surface and requires less pull for removal.



**MATERIAL:** Vinyl  
**COLORS\*:** White, Black, Brown, Orange, Red, Green, Grey, Blue, Yellow – Call factory for colors in stock

**AVAILABILITY:** Consult Factory



EXPANDED

NEW





## EZ Series

Dimensions						Packaging				Caplug No.
A		B		C		Standard Carton		Mini Pak Quantity		
in	mm	in	mm	in	mm	Shipping Wt. (Approx.)			No. of Pieces	
						lbs	kgs			
0.187	4.74	0.500	12.70	0.093	2.36	11	5.0	5000	1000	EZ-187-12
0.207	5.26	0.500	12.70	0.093	2.36	13	5.9	5000	1000	EZ-207-12
0.215	5.46	0.500	12.70	0.093	2.36	11	5.0	5000	1000	EZ-215-12
0.240	6.09	0.625	15.87	0.125	3.17	17	7.7	4000	800	EZ-240-12
0.303	7.69	0.625	15.87	0.125	3.17	19	8.6	4000	800	EZ-303-12
0.365	9.27	0.625	15.87	0.125	3.17	19	8.6	3500	700	EZ-365-12
0.386	9.80	0.625	15.87	0.125	3.17	15	6.8	4000	800	EZ-386-12
0.406	10.31	0.625	15.87	0.125	3.17	17	7.7	4000	800	EZ-406-12
0.427	10.84	0.625	15.87	0.125	3.17	18	8.1	3000	600	EZ-427-12
0.460	11.68	0.500	12.70	0.100	2.54	18	8.1	3000	600	EZ-460-12
0.490	12.44	0.687	17.44	0.125	3.17	17	7.7	2500	500	EZ-490-12
0.552	14.02	0.687	17.44	0.125	3.17	19	8.6	2500	500	EZ-552-12
0.600	15.24	0.812	20.62	0.187	4.75	14	6.4	2000	400	EZ-600-12
0.615	15.62	0.687	17.44	0.125	3.17	16	7.2	2000	400	EZ-615-12
0.655	16.63	0.875	22.22	0.187	4.75	16	7.3	2000	400	EZ-655-12
0.670	17.02	0.800	20.32	0.190	4.83	18	8.1	2000	400	EZ-670-12
0.677	17.19	0.812	20.62	0.187	4.75	19	8.6	2000	400	EZ-677-12
0.695	17.65	0.812	20.62	0.187	4.75	13	5.9	1500	300	EZ-695-12
0.735	18.66	0.812	20.62	0.187	4.75	16	7.2	1500	300	EZ-735-12
0.760	19.30	0.800	20.32	0.190	4.83	10	4.5	2000	400	EZ-760-12
0.797	20.24	0.812	20.62	0.187	4.75	16	7.3	1500	300	EZ-797-12
0.835	21.20	0.843	21.41	0.187	4.75	17	7.7	1500	300	EZ-835-12
0.860	21.84	0.843	21.41	0.187	4.75	18	8.1	1500	300	EZ-860-12
0.922	23.41	0.875	22.22	0.187	4.75	12	5.4	1000	200	EZ-922-12
0.985	25.01	0.875	22.22	0.187	4.75	17	7.7	1250	250	EZ-985-12
1.048	27.53	1.000	25.40	0.187	4.75	15	6.8	1000	200	EZ-1048-12
1.110	28.19	1.125	28.58	0.187	4.75	17	7.7	1000	200	EZ-1110-12
1.175	29.85	0.750	19.05	0.325	8.26	12	5.4	600	120	EZ-1175-12
1.230	31.24	1.125	28.58	0.187	4.75	15	6.8	900	180	EZ-1230-12
1.355	34.41	1.125	28.58	0.250	6.35	22	10.0	800	160	EZ-1355-12
1.480	37.59	1.000	25.40	0.250	6.35	16	7.3	800	160	EZ-1480-12

## VFE Series

Dimensions										Packaging				Caplug No.
A		B		C		D		E		Standard Carton		Mini Pak Quantity		
in	mm	in	mm	in	mm	in	mm	in	mm	Shipping Wt. (Approx.)			No. of Pieces	
										lbs	kgs			
0.312	7.92	0.500	12.70	0.145	3.68	0.600	15.24	0.231	5.87	30	13.6	5000	1000	VFE-312-8
0.320	8.13	0.625	15.88	0.100	2.54	0.600	15.24	0.300	7.62	45	20.4	8000	1000	VFE-320-10
0.375	9.53	0.500	12.70	0.325	8.26	0.600	15.24	0.250	6.35	36	16.3	5000	1000	VFE-375-8
0.406	10.31	1.750	44.45	-	-	0.650	16.51	0.406	10.31	18	8.1	2000	400	VFE-406-28
0.420	10.67	0.625	15.88	0.170	4.32	0.570	14.48	0.300	7.62	32	14.5	5000	1000	VFE-420-10
0.437	11.10	0.500	12.70	0.155	3.94	0.600	15.24	0.350	8.89	47	21.3	5000	1000	VFE-437-8
0.450	11.43	0.375	9.53	0.300	7.62	0.600	15.24	0.385	9.78	60	27.2	8000	1000	VFE-450-6
0.500	12.70	0.500	12.70	0.325	8.26	0.600	15.24	0.380	9.65	62	28.1	5000	1000	VFE-500-8
0.530	13.46	0.625	15.88	-	-	0.500	12.70	0.320	8.13	43	19.5	4000	800	VFE-530-10
0.595	15.11	0.625	15.88	0.225	5.72	0.675	17.15	0.450	11.43	20	9.1	2500	500	VFE-595-10
0.750	19.05	0.750	19.05	0.315	8.00	0.570	14.48	0.300	7.62	39	17.7	3000	600	VFE-750-12
1.000	25.40	0.625	15.88	0.375	9.53	0.600	15.24	0.590	14.99	14	6.4	500	100	VFE-1000-10
1.125	28.58	0.750	19.05	0.375	9.53	0.650	16.51	0.640	16.26	61	27.7	2000	400	VFE-1125-12





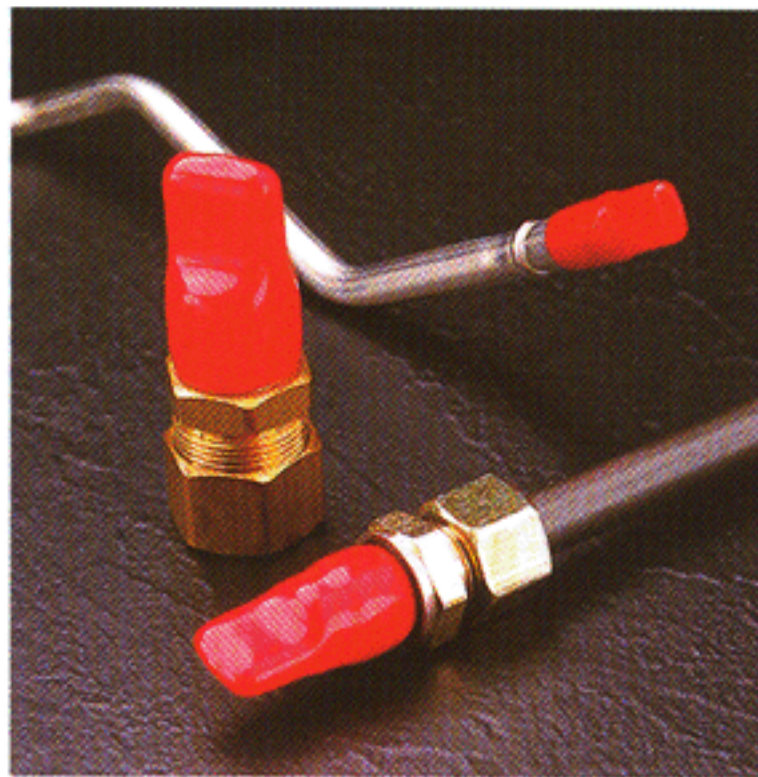
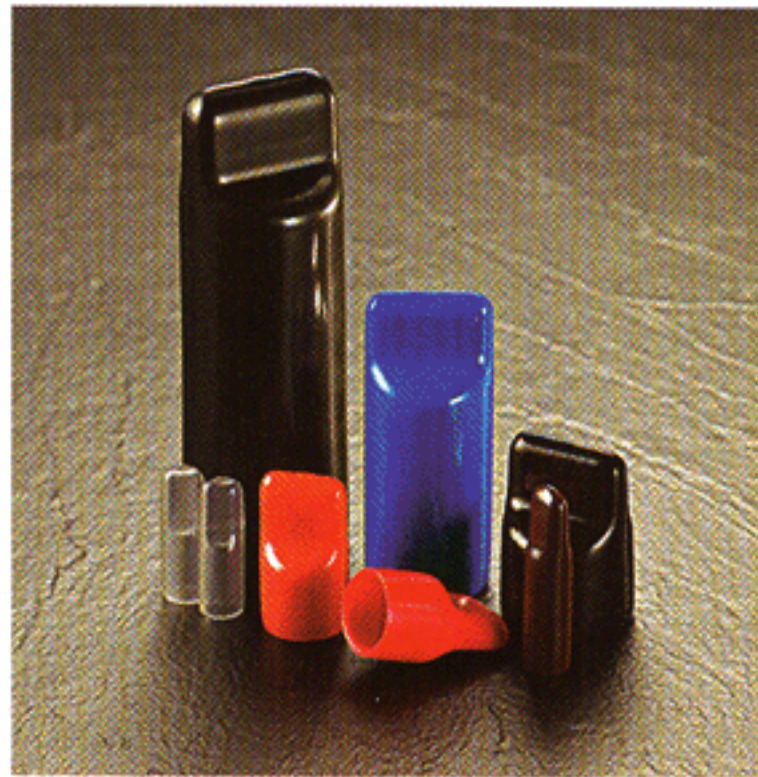
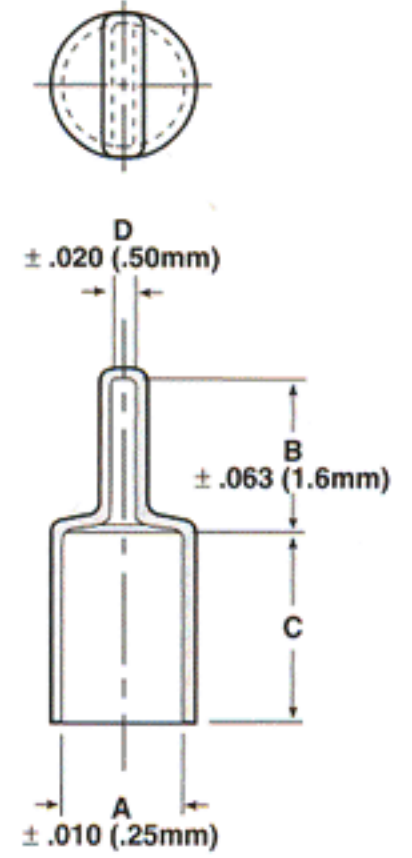
# CAPS Polaris Vinyl

## VFC Series Flexible Vinyl Caps with Flat Pull-Tab for Easy Removal

Series VFC Caps feature a long flat tab centered at the top of the closure, which allows for easy removal of the cap.



**MATERIAL:** Vinyl  
**COLORS\*:** White, Black, Brown, Orange, Red, Green, Grey, Blue, Yellow – Call factory for colors in stock  
**AVAILABILITY:** Consult Factory



**Note:**

- VFC-180 through VFC-240 have a maximum length of 1.5".
- VFC-302 through VFC-1605 have various maximum lengths of up to 4". Call factory for details.





## VFC Series

Dimensions								Packaging				Caplug No.
A		B		C		D		Standard Carton		Mini Pak Quantity		
in	mm	in	mm	in	mm	in	mm	Shipping Wt. (Approx.) lbs	kgs		No. of Pieces	
0.180	4.57	0.500	12.70	0.500	12.70	0.062	1.57	8	3.6	5000	1000	VFC-180-8
0.180	4.57	0.500	12.70	1.000	25.40	0.062	1.57	15	6.8	5000	1000	VFC-180-16
0.207	5.25	0.625	15.88	0.500	12.70	0.125	3.18	9	4.1	5000	1000	VFC-207-8
0.207	5.25	0.625	15.88	1.000	25.40	0.125	3.18	15	6.8	5000	1000	VFC-207-16
0.240	6.09	0.625	15.88	0.500	12.70	0.125	3.18	8	3.6	5000	1000	VFC-240-8
0.240	6.09	0.625	15.88	1.000	25.40	0.125	3.18	16	7.3	5000	1000	VFC-240-16
0.302	7.67	0.625	15.88	0.500	12.70	0.125	3.18	7	3.2	4000	800	VFC-302-8
0.302	7.67	0.625	15.88	1.000	25.40	0.125	3.18	20	9.1	4000	800	VFC-302-16
0.365	9.27	0.625	15.88	0.500	12.70	0.125	3.18	20	9.1	5000	1000	VFC-365-8
0.365	9.27	0.625	15.88	0.750	19.05	0.125	3.18	18	8.2	3000	600	VFC-365-12
0.365	9.27	0.625	15.88	1.000	25.40	0.125	3.18	16	7.3	2500	500	VFC-365-16
0.396	10.05	0.625	15.88	0.500	12.70	0.125	3.18	8	3.6	3000	600	VFC-396-8
0.396	10.05	0.625	15.88	1.000	25.40	0.125	3.18	19	8.6	3000	600	VFC-396-16
0.410	10.41	0.687	17.45	0.500	12.70	0.125	3.18	17	7.7	3000	600	VFC-410-8
0.410	10.41	0.687	17.45	1.000	25.40	0.125	3.18	16	7.3	2000	400	VFC-410-16
0.427	10.84	0.625	15.88	0.500	12.70	0.125	3.18	13	5.9	3000	600	VFC-427-8
0.427	10.84	0.625	15.88	1.000	25.40	0.125	3.18	18	8.2	2500	500	VFC-427-16
0.470	11.93	0.625	15.88	0.500	12.70	0.125	3.18	12	5.4	2000	400	VFC-470-8
0.470	11.93	0.625	15.88	1.000	25.40	0.125	3.18	18	8.2	2000	400	VFC-470-16
0.490	12.44	0.625	15.88	0.500	12.70	0.125	3.18	15	6.8	2500	500	VFC-490-8
0.490	12.44	0.625	15.88	1.000	25.40	0.125	3.18	13	5.9	1500	300	VFC-490-16
0.521	13.23	0.625	15.88	0.500	12.70	0.125	3.18	11	5.0	2000	400	VFC-521-8
0.521	13.23	0.625	15.88	1.000	25.40	0.125	3.18	14	6.4	1500	300	VFC-521-16
0.552	14.02	0.687	17.45	0.500	12.70	0.125	3.18	19	8.6	3000	600	VFC-552-8
0.552	14.02	0.687	17.45	0.750	19.05	0.125	3.18	15	6.8	2000	400	VFC-552-12
0.552	14.02	0.687	17.45	1.000	25.40	0.125	3.18	17	7.7	1500	300	VFC-552-16
0.590	14.98	0.625	15.88	0.500	12.70	0.125	3.18	8	3.6	1500	300	VFC-590-8
0.590	14.98	0.625	15.88	1.000	25.40	0.125	3.18	16	7.3	1500	300	VFC-590-16
0.615	15.62	0.687	17.45	0.500	12.70	0.125	3.18	9	4.1	2000	400	VFC-615-8
0.615	15.62	0.687	17.45	1.000	25.40	0.125	3.18	17	7.7	2000	400	VFC-615-16
0.677	17.19	0.687	17.45	0.500	12.70	0.125	3.18	9	4.1	1000	200	VFC-677-8
0.677	17.19	0.687	17.45	1.000	25.40	0.125	3.18	13	5.9	1000	200	VFC-677-16
0.735	18.66	0.812	20.63	0.500	12.70	0.187	4.75	8	3.6	1000	200	VFC-735-8
0.735	18.66	0.812	20.63	0.750	19.05	0.187	4.75	17	7.7	1250	250	VFC-735-12
0.735	18.66	0.812	20.63	1.000	25.40	0.187	4.75	16	7.3	1000	200	VFC-735-16
0.797	20.24	0.812	20.63	0.500	12.70	0.187	4.75	8	3.6	900	180	VFC-797-8
0.797	20.24	0.812	20.63	1.000	25.40	0.187	4.75	17	7.7	900	180	VFC-797-16
0.865	21.97	0.843	21.41	0.500	12.70	0.187	4.75	14	6.4	1000	200	VFC-865-8
0.865	21.97	0.843	21.41	1.000	25.40	0.187	4.75	15	6.8	800	160	VFC-865-16
0.990	25.14	0.875	22.23	0.500	12.70	0.187	4.75	5	2.3	600	120	VFC-990-8
0.990	25.14	0.875	22.23	1.000	25.40	0.187	4.75	9	4.1	600	120	VFC-990-16
1.230	31.24	1.125	28.58	1.000	25.40	0.187	4.75	11	5.0	500	100	VFC-1230-16
1.230	31.24	1.125	28.58	1.500	38.10	0.187	4.75	18	8.2	500	100	VFC-1230-24
1.605	40.76	1.250	31.75	1.000	25.40	0.250	6.35	16	7.3	400	80	VFC-1605-16
1.605	40.76	1.250	31.75	1.500	38.10	0.250	6.35	17	7.7	400	80	VFC-1605-24





# CAPS Polaris Vinyl

## VVC Vent-A-Cap™ Series Vinyl Vented Caps



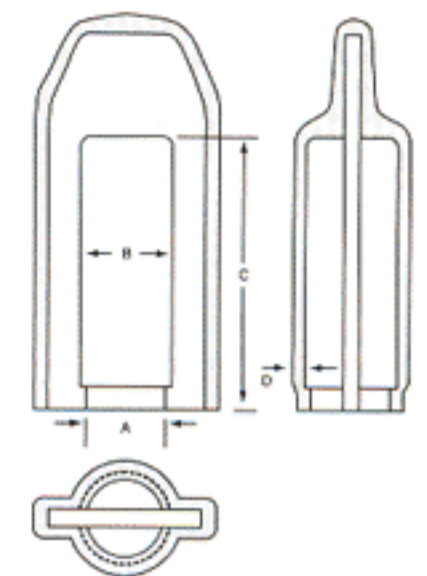
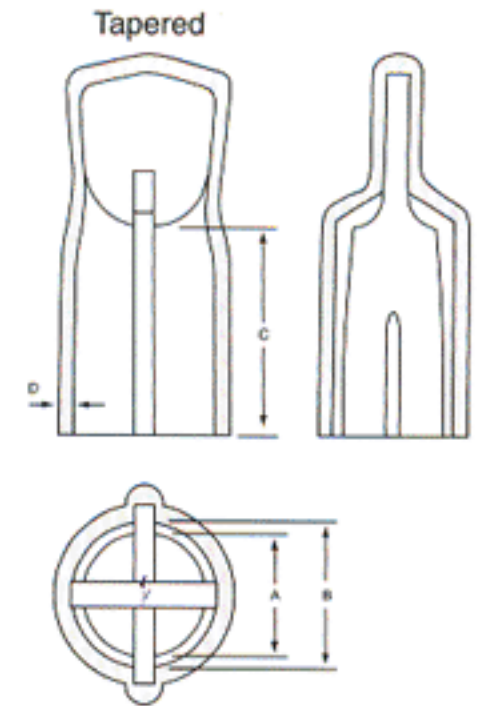
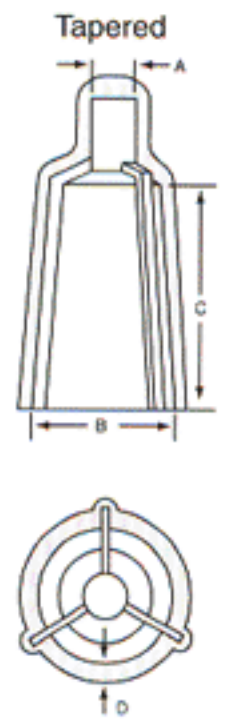
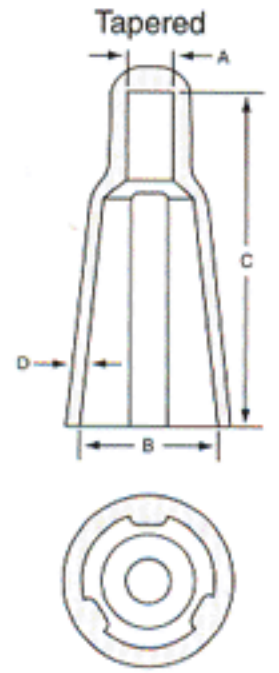
The Vent-A-Cap Series consists of several styles of caps used to protect the ends of tubing connectors and instrument tips.

Vented for air release and easy removal, the vented caps are also useful in the masking industry. Venting for airflow assures that the cap won't pop off during extreme heat. Caps used in the medical industry allow for airflow during ETO gas sterilization. Series 20, Series 22 and Series 26 are tapered to fit multiple sizes for a variety of tubing and instruments. Series 29 is offered in a straight style.



**MATERIAL:** Vinyl  
**COLORS\*:** White, Black, Brown, Orange, Red, Green, Grey, Blue, Yellow – Call factory for colors in stock

**AVAILABILITY:**  
Consult Factory







## VVC Vent-A-Cap™ Series

Dimensions										Packaging				Caplug No.
To Fit Tube Size	A		B		C		D		Standard Carton		Mini Pak Quantity			
	in	mm	in	mm	in	mm	in	mm	Shipping Wt. (Approx.) lbs	kgs		No. of Pieces		
1/4 x 1/16	0.200	5.08	0.425	10.80	1.600	40.64	0.055	1.40	24	10.9	5000	1000	VVC-2071	
1/4 x 3/32	0.250	6.35	0.500	12.70	1.600	40.64	0.055	1.40	28	12.7	5000	1000	VVC-2072	
3/8 x 1/16	0.250	6.35	0.525	13.34	1.600	40.64	0.055	1.40	33	15.0	5000	1000	VVC-2073	
3/8 x 3/32	0.250	6.35	0.610	15.49	1.600	40.64	0.055	1.40	38	17.2	5000	1000	VVC-2074	
1/2 x 1/16	0.250	6.35	0.650	16.51	1.600	40.64	0.055	1.40	40	18.1	5000	1000	VVC-2075	
1/2 x 3/32	0.275	6.99	0.735	18.67	1.600	40.64	0.055	1.40	31	14.1	4000	800	VVC-2076	

Dimensions										Packaging				Caplug No.
To Fit Tube Size	A		B		C		D		Standard Carton		Mini Pak Quantity			
	in	mm	in	mm	in	mm	in	mm	Shipping Wt. (Approx.) lbs	kgs		No. of Pieces		
1/8 x 1/32	0.080	2.03	0.190	4.83	0.430	10.92	0.045	1.14	11	5.0	10000	1000	VVC-2220	
1/8 x 1/16	0.156	3.96	0.310	7.87	1.075	37.31	0.055	1.40	17	7.7	5000	1000	VVC-2221	
3/16 x 1/16	0.156	3.96	0.340	8.64	1.075	27.31	0.055	1.40	26	11.8	5000	1000	VVC-2222	
1/4 x 1/16	0.200	5.08	0.400	10.16	1.075	27.31	0.055	1.40	32	14.5	5000	1000	VVC-2223	
1/4 x 1/32	0.240	6.10	0.450	11.43	1.075	27.31	0.055	1.40	35	15.9	5000	1000	VVC-2224	
3/8 x 1/16	0.250	6.35	0.510	12.95	1.075	27.31	0.055	1.40	33	15.0	5000	1000	VVC-2225	
3/8 x 3/32	0.250	6.35	0.590	14.99	1.175	29.85	0.055	1.40	37	16.8	4000	800	VVC-2226	
1/2 x 1/16	0.312	7.92	0.650	16.51	1.175	29.85	0.060	1.52	39	17.7	4000	800	VVC-2227	
1/2 x 1/8	0.312	7.92	0.700	17.78	1.175	29.85	0.060	1.52	29	13.2	3000	600	VVC-2228	
1/2 x 3/32	0.312	7.92	0.750	19.05	1.175	29.85	0.060	1.52	31	14.1	3000	600	VVC-2229	
5/8 x 3/32	0.330	8.38	0.880	23.35	1.175	29.85	0.065	1.65	39	17.7	3000	600	VVC-2230	

Dimensions										Packaging				Caplug No.
To Fit Tube Size	A		B		C		D		Standard Carton		Mini Pak Quantity			
	in	mm	in	mm	in	mm	in	mm	Shipping Wt. (Approx.) lbs	kgs		No. of Pieces		
1/8 x 1/32	0.160	4.06	0.210	5.33	0.400	10.16	0.045	1.14	22	10.0	10000	1000	VVC-2600	
1/8 x 1/16	0.190	4.83	0.275	6.99	0.650	16.25	0.055	1.40	33	15.0	10000	1000	VVC-2601	
3/16 x 1/16	0.240	6.10	0.340	8.64	0.650	16.25	0.055	1.40	32	14.5	8000	1000	VVC-2602	
1/4 x 1/16	0.325	8.26	0.400	10.16	0.750	19.05	0.055	1.40	26	11.8	5000	1000	VVC-2603	
1/4 x 3/32	0.375	9.53	0.470	11.94	0.750	19.05	0.055	1.40	26	11.8	5000	1000	VVC-2604	
3/8 x 1/16	0.440	11.18	0.525	13.34	0.750	19.05	0.055	1.40	30	13.6	5000	1000	VVC-2605	
3/8 x 3/32	0.475	12.07	0.585	14.86	0.750	19.05	0.055	1.40	35	15.9	5000	1000	VVC-2606	
1/2 x 1/16	0.550	13.97	0.650	16.51	0.800	20.32	0.060	1.52	33	15.0	3000	600	VVC-2607	
1/2 x 3/32	0.630	16.00	0.710	18.03	0.800	20.32	0.060	1.52	32	14.5	3000	600	VVC-2608	
1/2 x 1/8	0.650	16.51	0.775	19.69	0.800	20.32	0.060	1.52	34	15.4	3000	600	VVC-2609	
5/8 x 3/32	0.775	19.69	0.840	21.34	0.800	20.32	0.060	1.52	37	16.8	3000	600	VVC-2610	

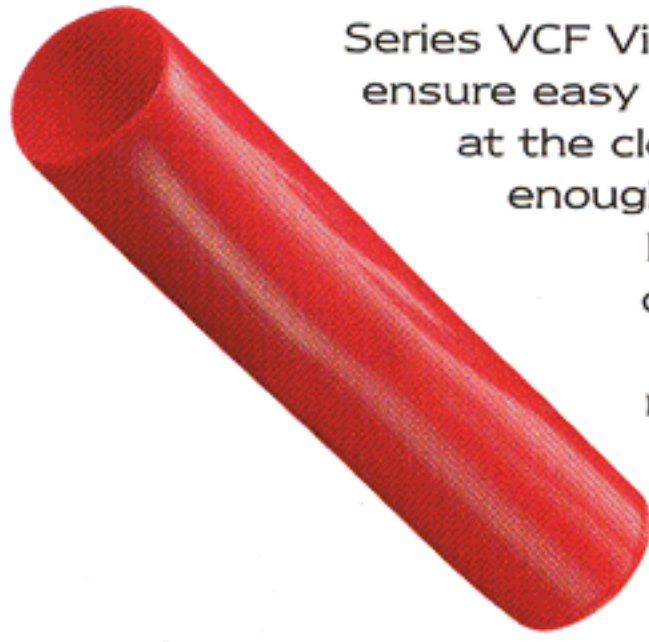
Dimensions										Packaging				Caplug No.
To Fit Tube Size	A		B		C		D		Standard Carton		Mini Pak Quantity			
	in	mm	in	mm	in	mm	in	mm	Shipping Wt. (Approx.) lbs	kgs		No. of Pieces		
1/8 x 1/16	0.230	5.84	0.281	7.14	0.700	17.78	0.045	1.14	35	15.9	10000	1000	VVC-2920	
3/16 x 1/16	0.292	7.45	0.343	8.71	0.650	16.51	0.050	1.27	39	17.7	10000	1000	VVC-2922	
1/4 x 1/16	0.355	9.02	0.415	10.54	0.750	19.05	0.055	1.40	28	12.7	5000	1000	VVC-2924	
1/4 x 3/32	0.417	10.59	0.477	12.12	0.750	19.05	0.055	1.40	41	18.6	5000	1000	VVC-2926	
3/8 x 1/16	0.480	12.19	0.540	13.72	0.850	21.59	0.060	1.52	41	18.6	5000	1000	VVC-2928	
3/8 x 3/32	0.542	13.77	0.602	15.29	0.900	22.86	0.060	1.52	44	20.0	5000	1000	VVC-2930	
1/2 x 3/32	0.667	16.94	0.737	18.72	0.875	22.23	0.060	1.52	35	15.9	3000	600	VVC-2932	
5/8 x 3/32	0.792	20.12	0.875	22.23	0.875	22.23	0.065	1.65	37	16.8	3000	600	VVC-2934	





# CAPS Polaris Vinyl

## VCF Series Vinyl Caps with Flanges



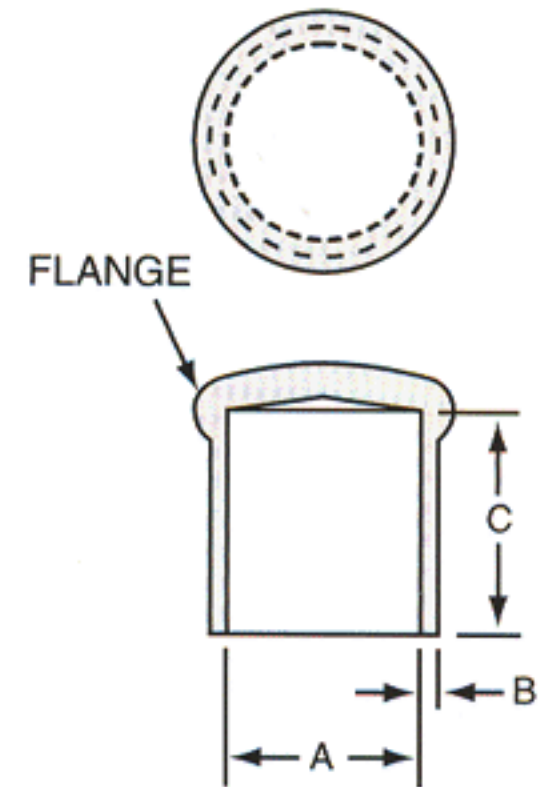
Series VCF Vinyl Caps with Flanges ensure easy removal with a flange at the closed end that is small enough not to interfere, but large enough to grasp during removal. These caps are available in most of the Series VC sizes, and come in 9 standard colors.

**Note:**

- VCF-125 has a maximum length of 1.5".
- VCF-140 through VCF-250 have a maximum length of 2".
- VCF-281 through VCF-3125 have various maximum lengths of up to 8". Call factory for details.



**MATERIAL:** Vinyl  
**COLORS\*:** White, Black, Brown, Orange, Red, Green, Grey, Blue, Yellow – Call factory for colors in stock  
**AVAILABILITY:** Consult Factory  
 (Not available in high temp material)



Caplug No.	Dimensions						Packaging				Caplug No.
	A		B		C		Standard Carton		No. of Pieces	Mini Pak Quantity	
	in	mm	in	mm	in	mm	Shipping Wt.(Approx.)	lbs			
VCF-125-8	0.125	3.17	0.035	0.89	.500	12.7	3	1.4	5000	1000	VCF-125-8
VCF-125-16	0.125	3.17	0.035	0.89	1.000	25.4	4	1.8	5000	1000	VCF-125-16
VCF-140-8	0.140	3.55	0.040	1.02	.500	12.7	2	1.0	5000	1000	VCF-140-8
VCF-140-16	0.140	3.55	0.040	1.02	1.000	25.4	5	2.3	5000	1000	VCF-140-16
VCF-156-8	0.156	3.96	0.040	1.02	.500	12.7	2	1.0	5000	1000	VCF-156-8
VCF-156-16	0.156	3.96	0.040	1.02	1.000	25.4	6	2.7	5000	1000	VCF-156-16
VCF-172-8	0.172	4.36	0.040	1.02	.500	12.7	3	1.4	5000	1000	VCF-172-8
VCF-172-16	0.172	4.36	0.040	1.02	1.000	25.4	6	2.7	5000	1000	VCF-172-16
VCF-187-8	0.187	4.74	0.040	1.02	.500	12.7	3	1.4	5000	1000	VCF-187-8
VCF-187-16	0.187	4.74	0.040	1.02	1.000	25.4	6	2.7	5000	1000	VCF-187-16
VCF-187-24	0.187	4.74	0.040	1.02	1.500	38.1	16	7.3	4000	800	VCF-187-24
VCF-203-8	0.203	5.15	0.045	1.14	.500	12.7	4	1.8	5000	1000	VCF-203-8
VCF-203-16	0.203	5.15	0.045	1.14	1.000	25.4	8	3.6	5000	1000	VCF-203-16
VCF-218-8	0.218	5.53	0.045	1.14	.500	12.7	5	2.3	5000	1000	VCF-218-8
VCF-218-16	0.218	5.53	0.045	1.14	1.000	25.4	9	4.1	5000	1000	VCF-218-16
VCF-234-8	0.234	5.94	0.045	1.14	.500	12.7	5	2.3	5000	1000	VCF-234-8
VCF-234-16	0.234	5.94	0.045	1.14	1.000	25.4	10	4.5	5000	1000	VCF-234-16
VCF-250-8	0.250	6.35	0.050	1.27	.500	12.7	6	2.7	5000	1000	VCF-250-8
VCF-250-16	0.250	6.35	0.050	1.27	1.000	25.4	15	6.8	5000	1000	VCF-250-16
VCF-281-8	0.281	7.13	0.050	1.27	.500	12.7	6	2.7	5000	1000	VCF-281-8
VCF-281-16	0.281	7.13	0.050	1.27	1.000	25.4	15	6.8	5000	1000	VCF-281-16
VCF-281-24	0.281	7.13	0.050	1.27	1.500	38.1	9	4.1	2500	500	VCF-281-24
VCF-312-8	0.312	7.92	0.055	1.40	.500	12.7	7	3.2	5000	1000	VCF-312-8
VCF-312-16	0.312	7.92	0.055	1.40	1.000	25.4	21	9.5	5000	1000	VCF-312-16
VCF-312-24	0.312	7.92	0.055	1.40	1.500	38.1	24	10.9	5000	1000	VCF-312-24
VCF-343-8	0.343	8.71	0.055	1.40	.500	12.7	9	4.1	5000	1000	VCF-343-8
VCF-343-16	0.343	8.71	0.055	1.40	1.000	25.4	8	3.6	2500	500	VCF-343-16
VCF-375-8	0.375	9.52	0.060	1.52	.500	12.7	9	4.1	5000	1000	VCF-375-8
VCF-375-16	0.375	9.52	0.060	1.52	1.000	25.4	13	5.9	2500	500	VCF-375-16
VCF-406-8	0.406	10.31	0.060	1.52	.500	12.7	10	4.5	5000	1000	VCF-406-8
VCF-406-16	0.406	10.31	0.060	1.52	1.000	25.4	9	4.1	2500	500	VCF-406-16
VCF-437-8	0.437	11.09	0.060	1.52	.500	12.7	11	5.0	5000	1000	VCF-437-8





## VCF Series

Dimensions						Packaging				Caplug No.
						Standard Carton		Mini Pak Quantity		
A		B		C		Shipping Wt. (Approx.)				No. of Pieces
in	mm	in	mm	in	mm	lbs	kgs			
0.437	11.09	0.060	1.52	1.000	25.4	13	5.9	2500	500	VCF-437-16
0.500	12.70	0.060	1.52	.500	12.7	12	5.4	5000	1000	VCF-500-8
0.500	12.70	0.060	1.52	1.000	25.4	17	7.7	2500	500	VCF-500-16
0.531	13.48	0.060	1.52	.500	12.7	14	6.4	5000	1000	VCF-531-8
0.531	13.48	0.060	1.52	1.000	25.4	13	5.9	2500	500	VCF-531-16
0.562	14.27	0.065	1.65	.500	12.7	9	4.1	2500	500	VCF-562-8
0.562	14.27	0.065	1.65	1.000	25.4	15	6.8	2500	500	VCF-562-16
0.625	15.87	0.065	1.65	.500	12.7	10	4.5	2500	500	VCF-625-8
0.625	15.87	0.065	1.65	1.000	25.4	17	7.7	2500	500	VCF-625-16
0.625	15.87	0.065	1.65	1.500	38.1	20	9.1	2000	400	VCF-625-24
0.687	17.44	0.065	1.65	.500	12.7	11	5.0	2500	500	VCF-687-8
0.687	17.44	0.065	1.65	1.000	25.4	8	3.6	1000	200	VCF-687-16
0.750	19.05	0.065	1.65	.500	12.7	13	5.9	2500	500	VCF-750-8
0.750	19.05	0.065	1.65	1.000	25.4	9	4.1	1000	200	VCF-750-16
0.812	20.62	0.065	1.65	.500	12.7	14	6.4	2500	500	VCF-812-8
0.812	20.62	0.065	1.65	1.000	25.4	10	4.5	1000	200	VCF-812-16
0.812	20.62	0.065	1.65	1.500	38.1	16	7.3	1000	200	VCF-812-24
0.875	22.22	0.065	1.65	.500	12.7	14	6.4	2500	500	VCF-875-8
0.875	22.22	0.065	1.65	1.000	25.4	10	4.5	1000	200	VCF-875-16
0.875	22.22	0.065	1.65	1.500	38.1	14	6.4	1000	200	VCF-875-24
0.937	23.79	0.070	1.79	.500	12.7	18	8.2	2500	500	VCF-937-8
0.937	23.79	0.070	1.79	1.000	25.4	11	5.0	1000	200	VCF-937-16
1.000	25.40	0.070	1.79	.500	12.7	7	3.2	1000	200	VCF-1000-8
1.000	25.40	0.070	1.79	1.000	25.1	13	5.9	1000	200	VCF-1000-16
1.000	25.40	0.070	1.79	1.500	38.1	19	8.6	1000	200	VCF-1000-24
1.000	25.40	0.070	1.79	2.000	50.8	12	5.4	600	120	VCF-1000-32
1.062	26.97	0.070	1.79	1.000	25.4	19	8.6	1200	240	VCF-1062-16
1.062	26.97	0.070	1.79	1.500	38.1	14	6.4	600	120	VCF-1062-24
1.125	28.57	0.070	1.79	1.000	25.4	22	10.0	1200	240	VCF-1125-16
1.187	30.15	0.070	1.79	1.000	25.4	19	8.6	1000	200	VCF-1187-16
1.250	31.75	0.070	1.79	1.000	25.4	18	8.2	1000	200	VCF-1250-16
1.250	31.75	0.070	1.79	1.500	38.1	14	6.4	500	100	VCF-1250-24
1.312	33.32	0.070	1.79	1.000	25.4	15	6.8	800	160	VCF-1312-16
1.312	33.32	0.070	1.79	1.500	38.1	17	7.7	600	120	VCF-1312-24
1.375	34.92	0.070	1.79	1.000	25.4	16	7.3	800	160	VCF-1375-16
1.375	34.92	0.070	1.79	1.500	38.1	12	5.4	400	80	VCF-1375-24
1.375	34.92	0.070	1.79	2.000	50.8	17	7.7	400	80	VCF-1375-32
1.500	38.10	0.070	1.79	1.000	25.4	16	7.3	750	150	VCF-1500-16
1.500	38.10	0.070	1.79	1.500	38.1	10	4.5	300	60	VCF-1500-24
1.625	41.27	0.070	1.79	1.000	25.4	19	8.6	750	150	VCF-1625-16
1.687	42.84	0.070	1.79	1.000	25.4	20	9.1	700	140	VCF-1687-16
1.750	44.45	0.070	1.79	1.000	25.4	21	9.5	700	140	VCF-1750-16
1.875	47.62	0.070	1.79	1.000	25.4	20	9.1	600	120	VCF-1875-16
2.000	50.80	0.070	1.79	1.000	25.4	21	9.5	600	120	VCF-2000-16
2.000	50.80	0.070	1.79	1.500	38.1	16	7.3	300	60	VCF-2000-24
2.250	57.15	0.070	1.79	1.000	25.4	16	7.3	500	100	VCF-2250-16
2.250	57.15	0.070	1.79	1.500	38.1	16	7.3	300	60	VCF-2250-24
2.500	63.50	0.070	1.79	1.000	25.4	16	7.3	400	80	VCF-2500-16
2.500	63.50	0.070	1.79	1.500	38.1	15	6.8	250	50	VCF-2500-24
3.000	76.20	0.070	1.79	1.000	25.4	15	6.8	250	50	VCF-3000-16
3.000	76.20	0.070	1.79	1.500	38.1	25	11.3	250	50	VCF-3000-24
3.125	79.37	0.070	1.79	1.000	25.4	18	8.2	250	50	VCF-3125-16
3.125	79.37	0.070	1.79	1.500	38.1	28	12.7	300	60	VCF-3125-24





# CAPS Polaris Vinyl

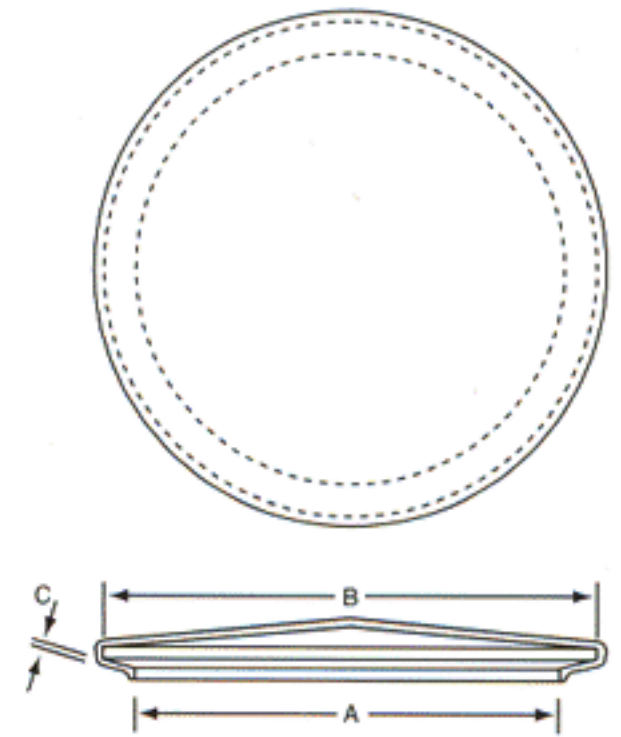
## VF Series Vinyl Flange Covers



Series VF Vinyl Flange Covers seal out dust and moisture during shipment to protect flange surfaces. These covers are quick and easy to apply, and provide a snug fit for flanged and beaded tubes. Series VF is available in a variety of sizes.



**MATERIAL:** Vinyl  
**COLORS\*:** White, Black, Brown, Orange, Red, Green, Grey, Blue, Yellow – Call factory for colors in stock  
**AVAILABILITY:** Consult Factory  
 (Not available in high temp material)



Also available in a more flexible, low durometer vinyl with standard color yellow. Consult factory.

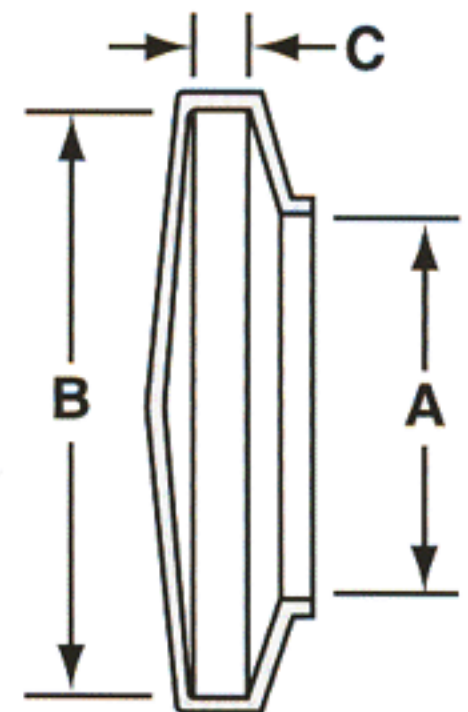
## VAS Series Vinyl American Standard Association Flange Covers



Designed to accommodate most American Standard Association, Navy and Military sizes, Series VAS Vinyl Flange Covers protect flanges by sealing out dust and moisture during shipment. Series VAS is available in a wide range of sizes.



**MATERIAL:** Vinyl  
**COLORS\*:** White, Black, Brown, Orange, Red, Green, Grey, Blue, Yellow – Call factory for colors in stock  
**AVAILABILITY:** Consult Factory







## VF Series

Dimensions						Packaging				Caplug No.
Standard Carton						Mini Pak Quantity	Caplug No.			
A		B		C				Shipping Wt. (Approx.)		
in	mm	in	mm	in	mm	lbs		kgs	Pieces	
0.680	17.27	1.310	33.27	0.065	1.650	24	10.9	2000	400	VF-680
0.930	23.62	1.550	39.37	0.065	1.650	16	7.3	1500	300	VF-930
1.000	25.40	1.620	41.14	0.065	1.650	24	10.9	1500	300	VF-1000
1.310	33.27	1.930	49.02	0.065	1.650	16	7.3	1000	200	VF-1310
1.500	38.10	2.195	55.75	0.065	1.650	23	10.4	900	180	VF-1500
2.000	50.80	2.695	68.45	0.065	1.650	22	10.0	600	120	VF-2000
2.180	55.37	2.860	72.64	0.065	1.650	20	9.1	500	100	VF-2180
2.500	63.50	3.180	80.77	0.065	1.650	17	7.7	400	80	VF-2500
2.930	74.42	3.560	90.42	0.065	1.650	17	7.7	400	80	VF-2930
3.000	76.20	3.600	91.44	0.065	1.650	21	9.5	400	80	VF-3000
3.500	88.90	4.155	105.53	0.065	1.650	23	10.4	300	60	VF-3500
4.000	101.60	4.690	119.12	0.065	1.650	24	10.9	250	50	VF-4000
4.250	107.95	4.940	125.47	0.065	1.650	21	9.5	200	40	VF-4250
4.500	114.30	5.190	131.82	0.065	1.650	23	10.4	200	40	VF-4500
4.750	120.65	5.440	138.17	0.065	1.650	21	9.5	200	40	VF-4750
5.000	127.00	5.690	144.52	0.065	1.650	13	5.9	100	20	VF-5000
5.250	133.35	5.940	150.87	0.065	1.650	11	5.0	100	20	VF-5250
5.500	139.70	6.190	157.22	0.065	1.650	14	6.4	100	20	VF-5500
6.000	152.40	6.690	169.92	0.065	1.650	17	7.7	100	20	VF-6000
6.500	165.10	7.190	182.62	0.065	1.650	18	8.1	100	20	VF-6500

## VAS Series

Dimensions						Packaging				Caplug No.
Standard Carton						Mini Pak Quantity	Caplug No.			
A		B		C				Shipping Wt. (Approx.)		
in	mm	in	mm	in	mm	lbs		kgs	Pieces	
2.485	63.12	3.500	88.90	0.400	10.16	15	6.8	250	50	VAS-3500-6
2.750	69.85	3.750	95.25	0.500	12.70	15	6.8	200	40	VAS-3750-8
2.860	72.64	3.870	98.30	0.540	13.72	16	7.3	200	40	VAS-3870-8
3.260	82.80	4.250	107.95	0.460	11.68	17	7.7	200	40	VAS-4250-7
3.620	91.95	4.620	117.35	0.500	12.70	11	5.0	100	20	VAS-4620-9
3.900	99.06	4.870	123.70	0.680	17.27	12	5.4	100	20	VAS-4870-10
4.000	101.60	5.000	127.00	0.620	15.75	13	5.9	100	20	VAS-5000-9
4.250	107.95	5.250	133.35	0.760	19.30	14	6.4	100	20	VAS-5250-12
4.500	114.30	6.000	152.40	0.675	17.15	16	7.3	100	20	VAS-6000-10
5.110	129.79	6.120	155.45	0.825	20.96	17	7.7	100	20	VAS-6120-13
5.500	139.70	6.500	165.10	0.900	22.86	16	7.3	80	N/A	VAS-6500-14
6.000	152.40	7.000	177.80	0.800	20.32	15	6.8	70	N/A	VAS-7000-12
6.500	165.10	7.500	190.50	0.900	22.86	15	6.8	60	N/A	VAS-7500-14
7.200	182.88	8.250	209.55	1.300	33.02	7	3.2	20	N/A	VAS-8250-19
8.030	203.96	9.000	228.60	1.000	25.40	8	3.6	20	N/A	VAS-9000-14
9.000	228.60	10.030	254.76	0.875	22.23	9	4.1	20	N/A	VAS-10000-15
9.730	247.14	10.750	273.05	1.500	38.10	11	5.0	20	N/A	VAS-10750-24
10.050	255.27	11.000	279.40	1.000	25.40	11	5.0	20	N/A	VAS-11000-16
11.500	292.10	12.500	317.50	1.440	36.58	13	5.9	20	N/A	VAS-12500-22

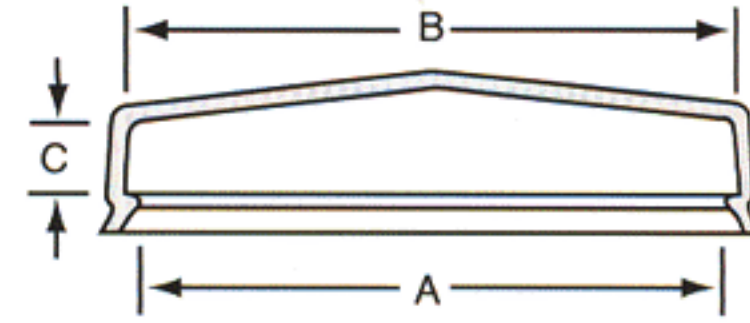




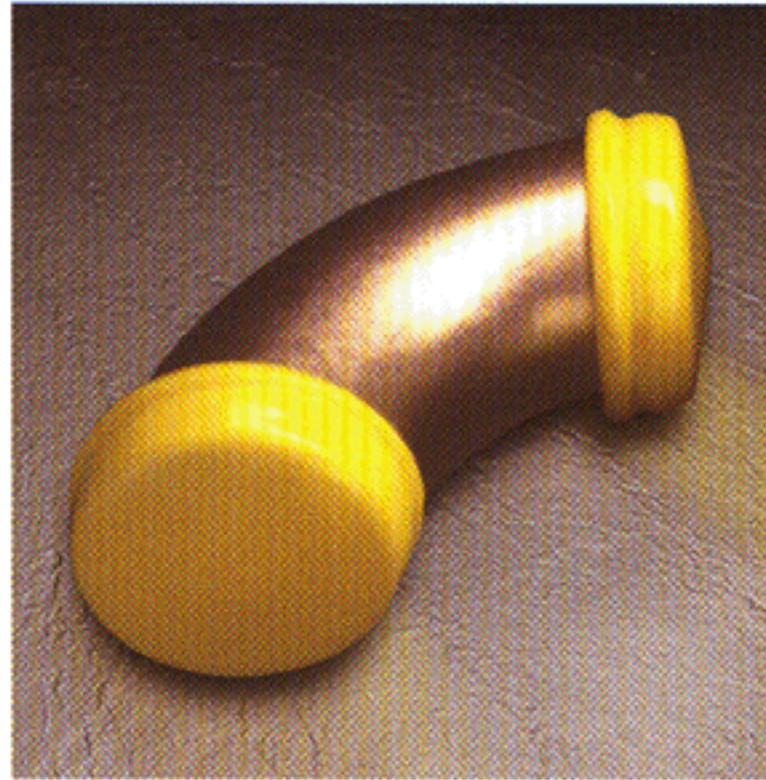
# CAPS Polaris Vinyl

## VSR Series Vinyl Snap Ring Flange Covers

Series VSR Vinyl Snap Ring Flange Covers seal out dust and moisture during shipment to protect flange surfaces. These covers are designed to snap on easily for a snug fit. Series VSR is available in a wide range of sizes.



**MATERIAL:** Vinyl  
**COLORS\*:** White, Black, Brown, Orange, Red, Green, Grey, Blue, Yellow – Call factory for colors in stock  
**AVAILABILITY:** Consult Factory



EXPANDED





## VSR Series

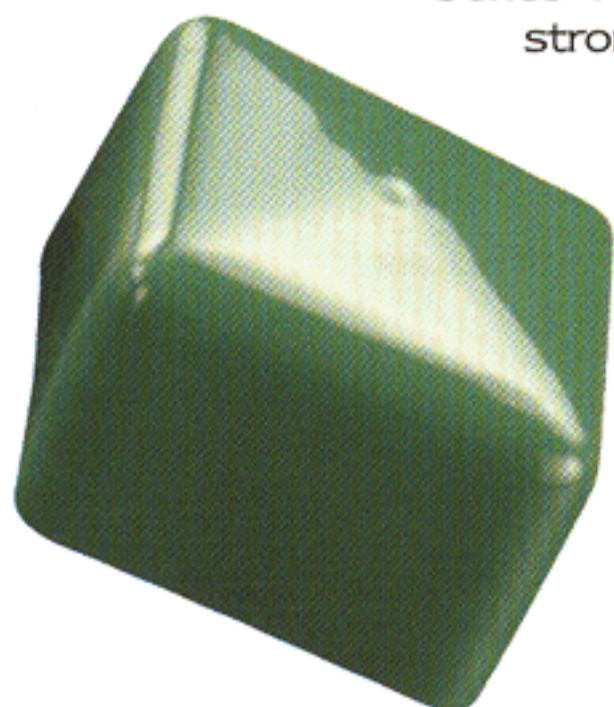
Dimensions						Packaging				Caplug No.
						Standard Carton		Mini Pak Quantity	Caplug No.	
A		B		C		Shipping Wt. (Approx.)				No. of Pieces
in	mm	in	mm	in	mm	lbs	kgs			
0.870	22.10	1.000	25.40	0.375	9.53	10	4.5	1000	200	VSR-1000
1.050	26.67	1.150	29.21	0.505	12.83	11	5.0	1000	200	VSR-1150
1.150	29.21	1.250	31.75	0.505	12.83	13	5.9	1000	200	VSR-1250
1.450	36.83	1.550	39.37	0.430	10.92	15	6.8	1000	200	VSR-1500
1.650	41.91	1.800	45.72	0.505	12.83	16	7.3	1000	200	VSR-1650
1.700	43.18	1.800	45.72	0.450	11.43	17	7.7	1000	200	VSR-1750
1.950	49.53	2.050	52.07	0.450	11.43	23	10.4	1000	200	VSR-2000
2.050	52.07	2.150	54.61	0.500	12.70	18	8.1	1000	200	VSR-2150
2.150	54.61	2.280	57.91	0.450	11.43	15	6.8	500	100	VSR-2250
2.400	60.96	2.620	66.55	0.450	11.43	17	7.7	500	100	VSR-2500
2.650	67.31	2.800	71.12	0.450	11.43	19	8.6	500	100	VSR-2750
2.850	72.39	3.050	77.47	0.450	11.43	11	5.0	250	N/A	VSR-3000
3.150	80.01	3.300	83.82	0.450	11.43	15	6.8	250	N/A	VSR-3250
3.400	86.36	3.600	91.44	0.450	11.43	16	7.3	250	N/A	VSR-3500
3.650	92.71	3.850	97.79	0.500	12.70	17	7.7	250	N/A	VSR-3750
3.900	99.06	4.080	103.63	0.500	12.70	19	8.6	250	N/A	VSR-4000
4.150	105.41	4.320	109.73	0.550	13.97	20	9.1	250	N/A	VSR-4250
4.400	111.76	4.600	116.84	0.550	13.97	21	9.5	250	N/A	VSR-4500
4.650	118.11	4.850	123.19	0.500	12.70	23	10.4	250	N/A	VSR-4750
4.900	124.46	5.100	129.54	0.600	15.24	21	9.5	200	N/A	VSR-5000
5.150	130.81	5.350	135.89	0.600	15.24	24	10.9	200	N/A	VSR-5250
5.400	137.16	5.620	142.75	0.600	15.24	21	9.5	150	N/A	VSR-5500
5.700	144.78	5.850	148.59	0.600	15.24	22	10.0	150	N/A	VSR-5750
5.900	149.86	6.180	156.97	0.600	15.24	23	10.4	150	N/A	VSR-6000
6.180	156.97	6.400	162.56	0.600	15.24	24	10.9	150	N/A	VSR-6250
6.450	163.83	6.650	168.91	0.600	15.24	17	7.7	100	N/A	VSR-6500
6.700	170.18	6.900	175.26	0.600	15.24	18	8.1	100	N/A	VSR-6750
6.950	176.53	7.150	181.61	0.600	15.24	20	9.1	100	N/A	VSR-7000
7.200	182.88	7.400	187.96	0.600	15.24	26	11.8	100	N/A	VSR-7250
7.450	189.23	7.650	194.31	0.600	15.24	28	12.7	100	N/A	VSR-7500
7.700	195.58	7.900	200.66	0.600	15.24	20	9.1	75	N/A	VSR-7750
7.950	201.93	8.150	207.01	0.600	15.24	21	9.5	75	N/A	VSR-8000
8.250	209.55	8.450	214.63	0.600	15.24	22	10.0	75	N/A	VSR-8250
8.450	214.63	8.700	220.98	0.600	15.24	23	10.4	75	N/A	VSR-8500
8.600	218.44	8.800	223.52	0.600	15.24	25	11.3	75	N/A	VSR-8750
9.350	237.49	9.550	242.57	0.600	15.24	28	12.7	75	N/A	VSR-9500
9.700	246.38	10.050	255.27	0.600	15.24	20	9.1	50	N/A	VSR-9750
9.900	251.46	10.050	255.27	0.600	15.24	21	9.5	50	N/A	VSR-10000
10.100	256.54	10.300	261.62	0.600	15.24	18	8.1	40	N/A	VSR-10250
10.400	264.16	10.650	270.51	0.600	15.24	14	6.4	30	N/A	VSR-10500
10.900	276.86	11.050	280.67	0.600	15.24	16	7.3	30	N/A	VSR-11000
11.100	281.94	11.420	290.07	0.500	12.70	38	17.2	50	N/A	VSR-11420
11.800	299.72	12.000	304.80	0.650	16.51	13	5.9	20	N/A	VSR-12000
12.150	308.61	12.350	313.69	0.650	16.51	14	6.4	20	N/A	VSR-12250
13.500	342.90	13.750	349.25	0.650	16.51	21	9.5	25	N/A	VSR-13500
14.500	368.30	14.750	374.65	0.650	16.51	44	20.0	50	N/A	VSR-14500



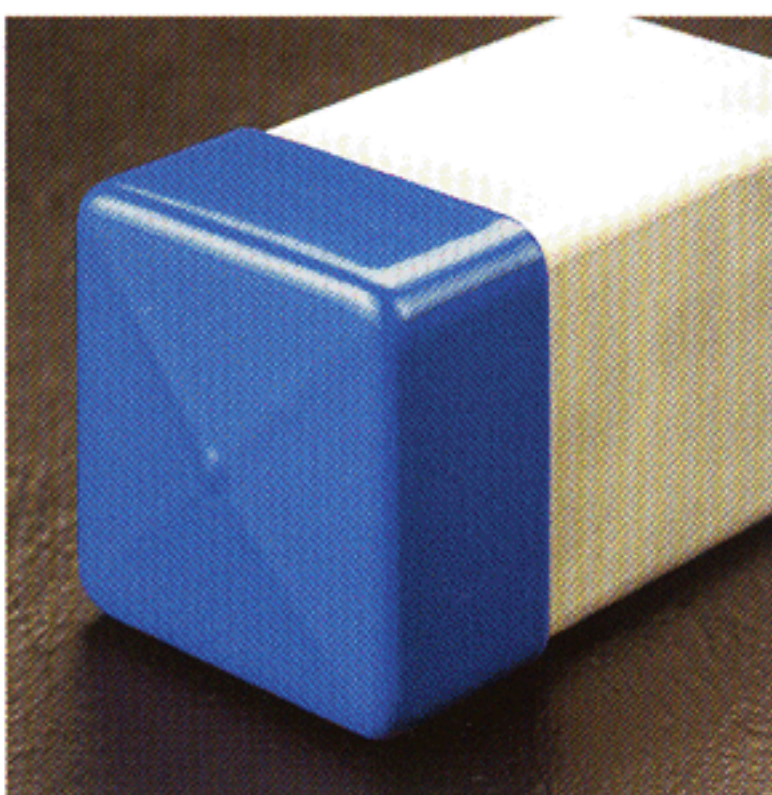


# CAPS Polaris Vinyl

## VSC Series Vinyl Square Caps

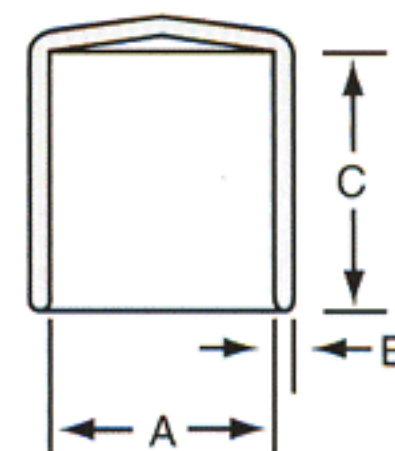
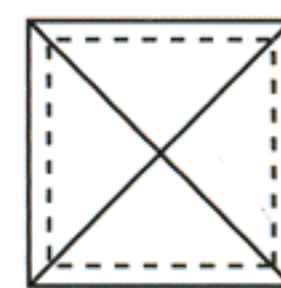
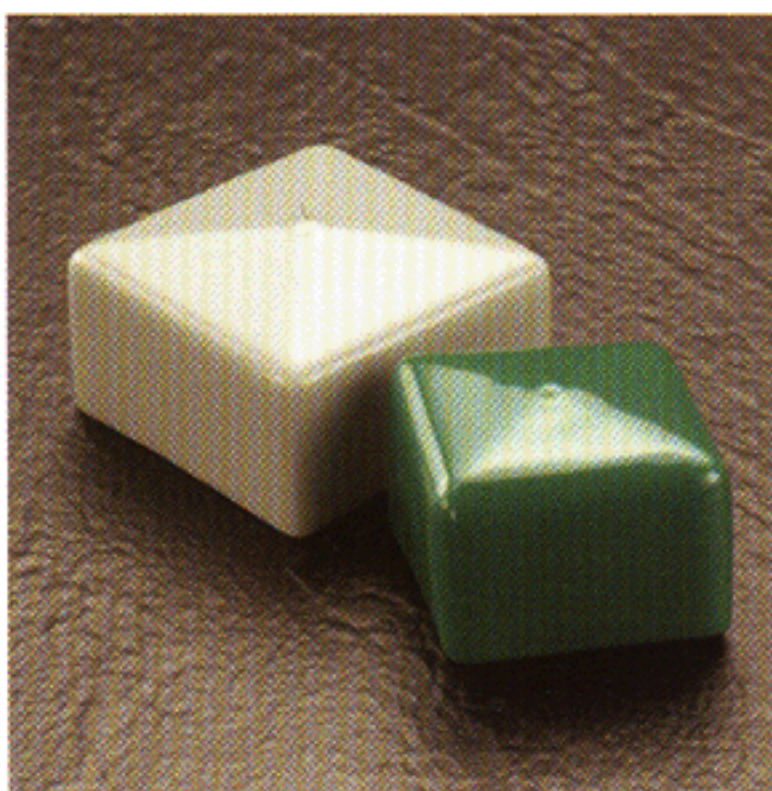


Series VSC Vinyl Square Caps are strong and tough, yet flexible enough to stretch for a perfect fit. Designed for use with square tubing, these caps are excellent finishing parts. Series VSC is available in a wide range of sizes, and comes in 9 standard colors.



**MATERIAL:** Vinyl  
**COLORS\*:** White, Black, Brown, Orange, Red, Green, Grey, Blue, Yellow – Call factory for colors in stock

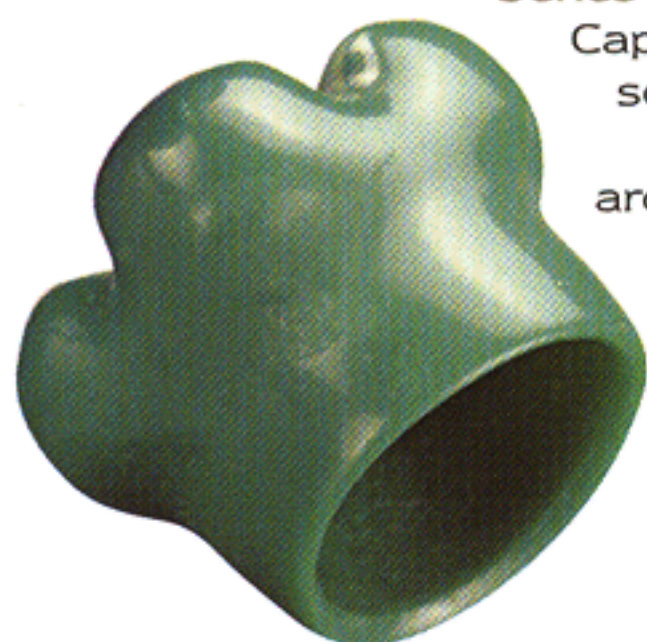
**AVAILABILITY:** Consult Factory



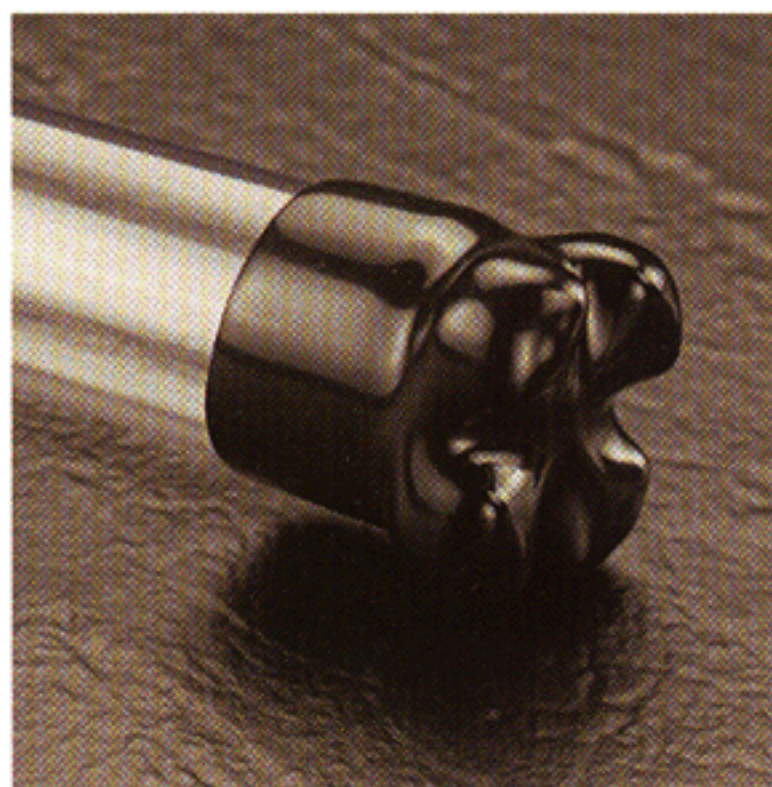
### Note:

- VSC-250 through VSC-750 have various maximum lengths of up to 4".
- VSC-1000 through VSC-4000 have various maximum lengths of up to 8". Call factory for details.

## VSE Series Vinyl Square End Caps

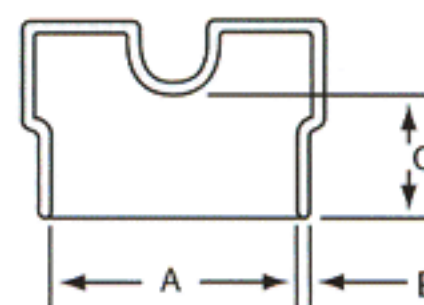
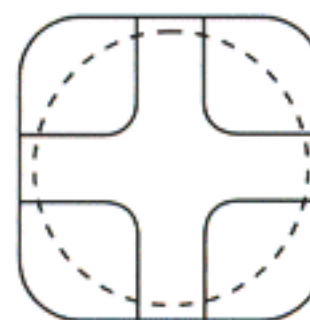


Used to close the ends of clear tubing, Series VSE Vinyl Square End Caps are equipped with a square head to prevent products from rolling around during shipment. This square head also allows containers to stand upright. Series VSE is available in 9 standard colors.



**MATERIAL:** Vinyl  
**COLORS\*:** White, Black, Brown, Orange, Red, Green, Grey, Blue, Yellow – Call factory for colors in stock

**AVAILABILITY:** Consult Factory  
(Not available in high temp material)



### Note:

- VSE-531 through VSE-1313 have a maximum length of 2"





## VSC Series

Dimensions						Packaging				Caplug No.
						Standard Carton		Mini Pak Quantity		
A		B		C		Shipping Wt. (Approx.)				No. of Pieces
in	mm	in	mm	in	mm	lbs	kgs			
0.250	6.35	0.065	1.65	0.5	12.7	8	3.6	5000	1000	VSC 250-8
0.250	6.35	0.065	1.65	1.0	25.4	15	6.8	5000	1000	VSC 250-16
0.375	9.53	0.060	1.52	0.5	12.7	9	4.1	2500	500	VSC 375-8
0.375	9.53	0.060	1.52	1.0	25.4	12	5.4	2500	500	VSC 375-16
0.500	12.70	0.065	1.65	0.5	12.7	13	5.9	3000	600	VSC 500-8
0.500	12.70	0.065	1.65	1.0	25.4	15	6.8	2000	400	VSC 500-16
0.625	15.87	0.065	1.65	0.5	12.7	14	6.4	2500	500	VSC 625-8
0.625	15.87	0.065	1.65	1.0	25.4	15	6.8	1500	300	VSC 625-16
0.750	19.05	0.065	1.65	0.5	12.7	13	5.9	2000	400	VSC 750-8
0.750	19.05	0.065	1.65	1.0	25.4	12	5.4	1000	200	VSC 750-16
1.000	25.40	0.065	1.65	0.5	12.7	13	5.9	1500	300	VSC 1000-8
1.000	25.40	0.065	1.65	1.0	25.4	16	7.3	900	180	VSC 1000-16
1.250	31.75	0.065	1.65	0.5	12.7	13	5.9	1000	200	VSC 1250-8
1.250	31.75	0.065	1.65	1.0	25.4	15	6.8	700	140	VSC 1250-16
1.500	38.10	0.065	1.65	0.5	12.7	16	7.3	900	180	VSC 1500-8
1.500	38.10	0.065	1.65	1.0	25.4	17	7.7	600	120	VSC 1500-16
1.625	41.28	0.070	1.78	0.5	12.7	33	15.0	1000	200	VSC 1625-8
1.625	41.28	0.070	1.78	1.0	25.4	18	8.1	500	100	VSC 1625-16
1.750	44.45	0.065	1.65	0.5	12.7	15	6.8	700	140	VSC 1750-8
1.750	44.45	0.065	1.65	1.0	25.4	17	7.7	500	100	VSC 1750-16
1.875	47.62	0.065	1.65	0.5	12.7	14	6.4	600	120	VSC 1875-8
1.875	47.62	0.065	1.65	1.0	25.4	14	6.4	400	80	VSC 1875-16
2.000	50.80	0.065	1.65	0.5	12.7	16	7.3	600	120	VSC 2000-8
2.000	50.80	0.065	1.65	1.0	25.4	17	7.7	400	80	VSC 2000-16
2.500	63.50	0.065	1.65	1.0	25.4	14	6.4	300	60	VSC 2500-16
3.000	76.20	0.065	1.65	1.0	25.4	15	6.8	200	40	VSC 3000-16
3.500	88.90	0.065	1.65	1.0	25.4	20	9.1	200	40	VSC 3500-16
4.000	101.60	0.065	1.65	1.0	25.4	12	5.4	100	20	VSC 4000-16

## VSE Series

Dimensions						Packaging				Caplug No.
						Standard Carton		Mini Pak Quantity		
A		B		C		Shipping Wt. (Approx.)				No. of Pieces
in	mm	in	mm	in	mm	lbs	kgs			
0.531	13.48	0.040	1.01	0.500	12.70	9	4.1	2000	400	VSE-531-8
0.625	15.87	0.050	1.27	0.500	12.70	13	5.9	1500	300	VSE-625-8
0.687	17.44	0.050	1.27	0.500	12.70	15	6.8	1500	300	VSE-687-8
0.750	19.05	0.050	1.27	0.750	19.05	13	5.9	1000	200	VSE-750-12
0.796	20.21	0.050	1.27	0.750	19.05	12	5.4	1000	200	VSE-796-12
0.875	22.22	0.050	1.27	0.750	19.05	16	7.3	1000	200	VSE-875-12
1.000	25.40	0.060	1.52	1.000	25.40	15	6.8	700	140	VSE-1000-16
1.125	28.57	0.060	1.52	1.000	25.40	16	7.3	700	140	VSE-1125-16
1.313	33.35	0.060	1.52	1.000	25.40	19	8.6	700	140	VSE-1313-16

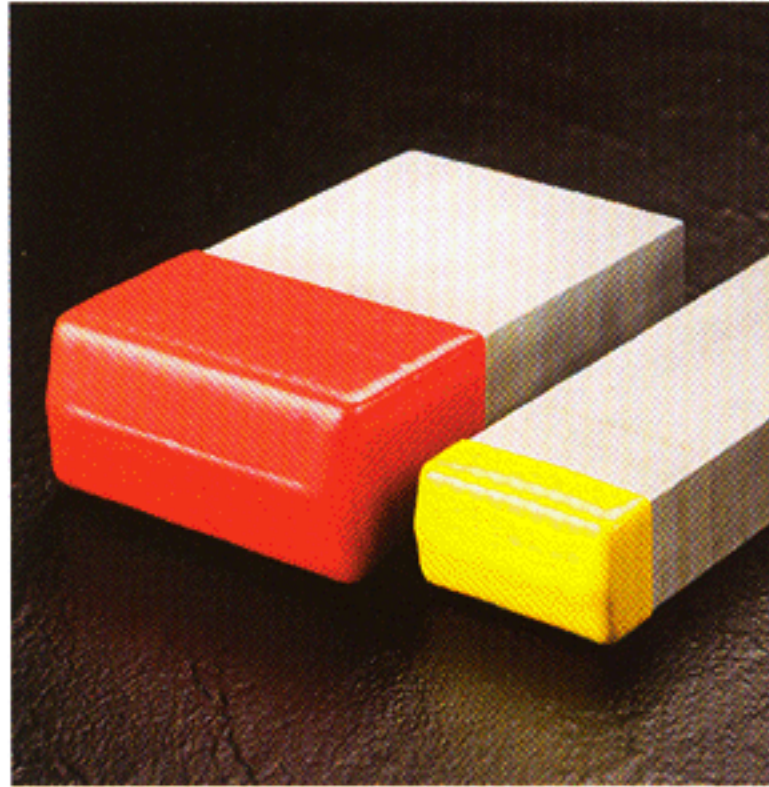




# CAPS Polaris Vinyl

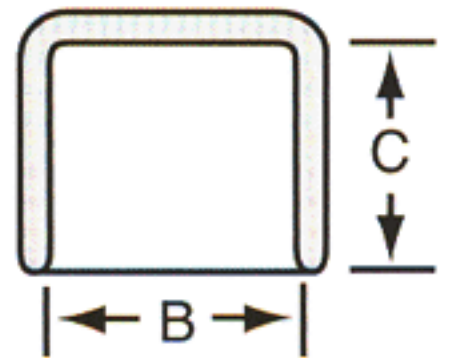
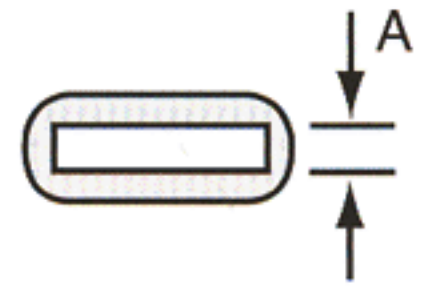
## VRF Series Vinyl Rectangular Caps & Grips (flat end)

Designed to fit most rectangular tubes and bars, Series VRF Vinyl Rectangular Caps and Grips feature a flat, closed end. These caps have many applications, including handle grips, paint shields, end caps and ESD covers. They slip on quickly and easily, and maintain a snug fit. Printing is available for Series VRF, which comes in 9 standard colors.



**MATERIAL:** Vinyl  
**COLORS\*:** White, Black, Brown, Orange, Red, Green, Grey, Blue, Yellow – Call factory for colors in stock

**AVAILABILITY:** Consult Factory



### Note:

- VRF-035x906 through VRF-050x2500 have a maximum length of 2".
- VRF-062x500 through VRF-062x1656 have various maximum lengths of up to 4".
- VRF-080x300 through VRF-1062x2500 have various maximum lengths of up to 8". Call factory for details.

New sizes are always being added. Consult factory for all current sizes.

EXPANDED





## VRF Series

Dimensions						Packaging				Caplug No.
A		B		C		Standard Carton		Mini Pak Quantity		
in	mm	in	mm	in	mm	Shipping Wt. (Approx.) lbs	kgs		No. of Pieces	
0.035	0.89	0.906	23.01	1.000	25.4	17	7.7	2500	500	VRF-035x906-16
0.040	1.01	0.250	6.35	1.000	25.4	9	4.1	5000	1000	VRF-040x250-16
0.050	1.27	2.500	63.50	1.000	25.4	16	7.3	900	180	VRF-050x2500-16
0.062	1.57	0.500	12.70	1.000	25.4	11	5.0	4000	800	VRF-062x500-16
0.062	1.57	1.170	29.71	1.000	25.4	14	6.4	1500	300	VRF-062x1170-16
0.062	1.57	1.250	31.75	1.000	25.4	14	6.4	1500	300	VRF-062x1250-16
0.062	1.57	1.656	42.06	1.000	25.4	12	5.4	1000	200	VRF-062x1656-16
0.080	2.03	0.300	7.62	1.000	25.4	11	5.0	5000	1000	VRF-080x300-16
0.080	2.03	0.375	9.52	1.000	25.4	13	5.9	5000	1000	VRF-080x375-16
0.090	2.28	0.800	20.32	1.000	25.4	16	7.3	2500	500	VRF-090x800-16
0.090	2.28	0.970	24.63	1.000	25.4	15	6.8	2000	400	VRF-090x970-16
0.090	2.28	1.000	25.40	1.000	25.4	15	6.8	2000	400	VRF-090x1000-16
0.090	2.28	1.500	38.10	1.000	25.4	12	5.4	1000	200	VRF-090x1500-16
0.125	3.17	0.468	11.89	1.000	25.4	16	7.3	4000	800	VRF-125x468-16
0.125	3.17	0.500	12.70	1.000	25.4	15	6.8	4000	800	VRF-125x500-16
0.125	3.17	0.750	19.05	1.000	25.4	11	5.0	2000	400	VRF-125x750-16
0.125	3.17	0.875	22.22	1.000	25.4	14	6.4	2000	400	VRF-125x875-16
0.125	3.17	1.000	25.40	1.000	25.4	14	6.4	2000	400	VRF-125x1000-16
0.125	3.17	1.250	31.75	1.000	25.4	17	7.7	1500	300	VRF-125x1250-16
0.125	3.17	1.500	38.10	1.000	25.4	12	5.4	1000	200	VRF-125x1500-16
0.125	3.17	2.000	50.80	1.000	25.4	15	6.8	1000	200	VRF-125x2000-16
0.187	4.74	0.500	12.70	1.000	25.4	13	5.9	3000	600	VRF-187x500-16
0.187	4.74	0.625	15.87	1.000	25.4	16	7.3	3000	600	VRF-187x625-16
0.187	4.74	0.687	17.44	1.000	25.4	16	7.3	2500	500	VRF-187x687-16
0.187	4.74	1.000	25.40	1.000	25.4	14	6.4	1500	300	VRF-187x1000-16
0.187	4.74	1.500	38.10	1.000	25.4	14	6.4	1000	200	VRF-187x1500-16
0.187	4.74	1.937	49.19	1.000	25.4	15	6.8	1000	200	VRF-187x1937-16
0.250	6.35	0.500	12.70	1.000	25.4	15	6.8	300	600	VRF-250x500-16
0.250	6.35	0.562	14.27	1.000	25.4	14	6.4	2500	500	VRF-250x562-16
0.250	6.35	0.625	15.87	1.000	25.4	15	6.8	2500	500	VRF-250x625-16
0.250	6.35	0.750	19.05	1.000	25.4	15	6.8	2000	400	VRF-250x750-16
0.250	6.35	0.875	22.22	1.000	25.4	16	7.3	2000	400	VRF-250x875-16
0.250	6.35	1.000	25.40	1.000	25.4	15	6.8	1500	300	VRF-250x1000-16
0.250	6.35	1.250	31.75	1.000	25.4	12	5.4	1000	200	VRF-250x1250-16
0.250	6.35	1.312	33.32	1.000	25.4	15	6.8	1000	200	VRF-250x1312-16
0.250	6.35	1.500	38.10	1.000	25.4	13	5.9	1000	200	VRF-250x1500-16
0.250	6.35	1.750	44.45	1.000	25.4	15	6.8	1000	200	VRF-250x1750-16
0.250	6.35	2.000	50.80	1.000	25.4	17	7.7	900	180	VRF-250x2000-16
0.290	7.37	0.344	8.74	1.000	25.4	9	4.1	3000	600	VRF-290x344-16
0.312	7.92	1.250	31.75	1.000	25.4	12	5.4	1000	200	VRF-312x1250-16
0.312	7.92	1.500	38.10	1.000	25.4	14	6.4	1000	200	VRF-312x1500-16
0.375	9.52	0.625	15.87	1.000	25.4	13	5.9	2000	400	VRF-375x625-16
0.375	9.52	1.000	25.40	1.000	25.4	16	7.3	1500	300	VRF-375x1000-16
0.375	9.52	1.125	28.12	1.000	25.4	10	4.5	1000	200	VRF-375x1125-16
0.375	9.52	1.250	31.75	1.000	25.4	13	5.9	1000	200	VRF-375x1250-16
0.375	9.52	1.500	38.10	1.000	25.4	14	6.4	1000	200	VRF-375x1500-16
0.500	12.70	0.625	15.87	1.000	25.4	13	5.9	1500	300	VRF-500x625-16
0.500	12.70	0.750	19.05	1.000	25.4	15	6.8	1500	300	VRF-500x750-16
0.500	12.70	1.250	31.75	1.000	25.4	14	6.4	1000	200	VRF-500x1250-16
0.500	12.70	1.375	34.92	1.000	25.4	15	6.8	1000	200	VRF-500x1375-16
0.500	12.70	1.500	38.10	1.000	25.4	16	7.3	1000	200	VRF-500x1500-16
0.500	12.70	2.000	50.80	1.000	25.4	17	7.7	800	160	VRF-500x2000-16
0.500	12.70	3.375	85.72	1.000	25.4	15	6.8	500	100	VRF-500x3375-16
0.625	15.87	1.750	44.45	1.000	25.4	16	7.3	800	160	VRF-625x1750-16
0.750	19.05	1.000	25.40	1.000	25.4	14	6.4	1000	200	VRF-750x1000-16
0.750	19.05	1.125	28.57	1.000	25.4	15	6.8	1000	200	VRF-750x1125-16
1.000	25.40	2.000	50.80	1.000	25.4	16	7.3	600	120	VRF-1000x2000-16
1.062	26.97	2.500	63.50	1.000	25.4	18	8.2	500	100	VRF-1062x2500-16

Lengths (C Dimension) are available in 1/16" (1.6mm) increments. Length tolerance is ±1/16" (1.6mm).





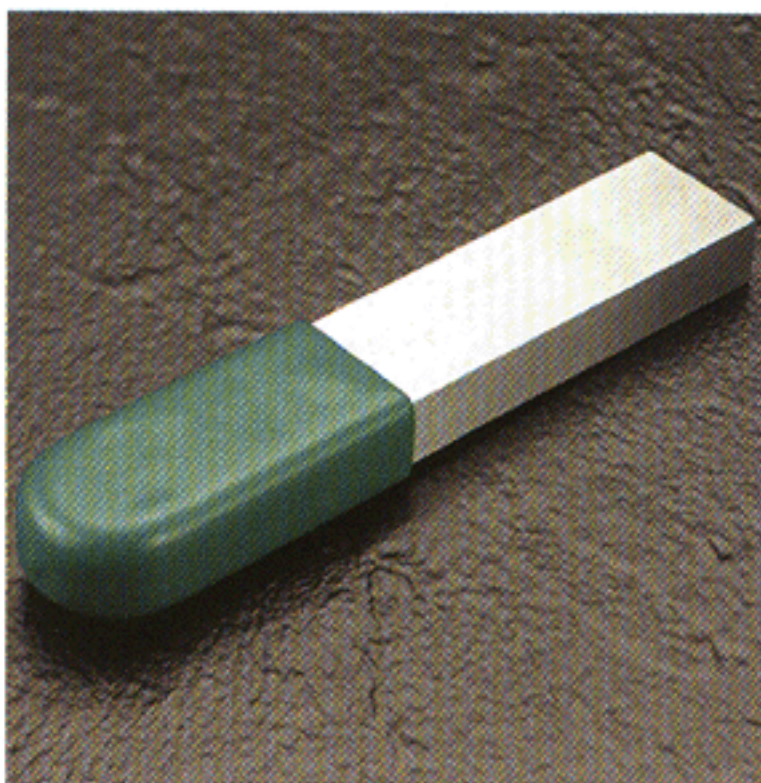
# CAPS Polaris Vinyl

## VRR Series Vinyl Rectangular Caps & Grips (round end)

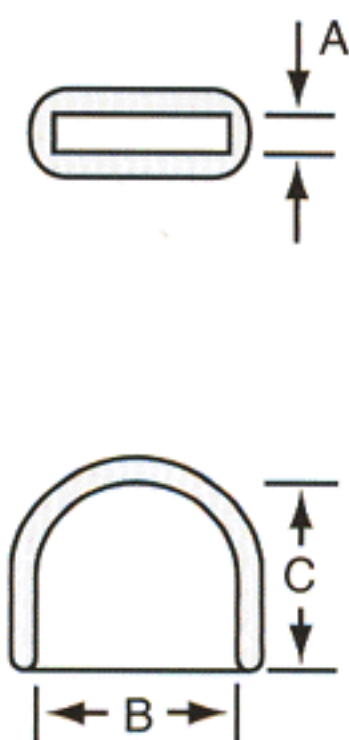
EXPANDED



Designed to fit most rectangular tubes and bars, Series VRR Vinyl Rectangular Caps and Grips feature a flat, rounded end. These caps have many applications, including handle grips, paint shields, end caps and ESD covers. They slip on quickly and easily, and maintain a snug fit. Printing is available for Series VRR, which comes in 9 standard colors.



**MATERIAL:** Vinyl  
**COLORS\*:** White, Black, Brown, Orange, Red, Green, Grey, Blue, Yellow – Call factory for colors in stock  
**AVAILABILITY:** Consult Factory



### Note:

- VRR-062x312 through VRR-062x1250 have various maximum lengths of up to 4".
- VRR-080x875 through VRR-500x1000 have various maximum lengths of up to 8". Call factory for details.

New sizes are always being added. Consult factory for all current sizes.

## VOR Series Vinyl O-Rings

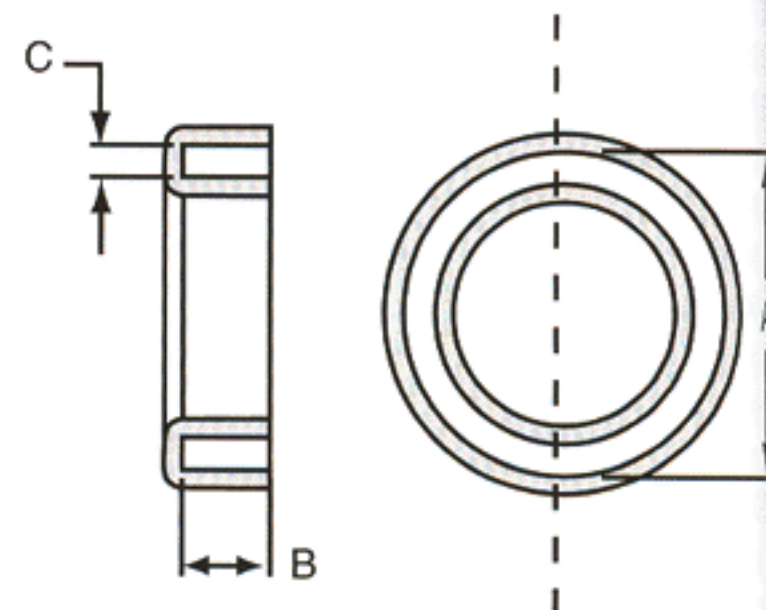
NEW



Series VOR Vinyl O-rings are designed to protect tube ends. Typically used in the automotive, scuba equipment and painting industries, these O-rings provide maximum protection against sharp edges. Available in several common sizes, Series VOR slip on easily and maintain a snug fit.



**MATERIAL:** Vinyl  
**COLORS\*:** White, Black, Brown, Orange, Red, Green, Grey, Blue, Yellow – Call factory for colors in stock  
**AVAILABILITY:** Consult Factory







## VRR Series

Dimensions						Packaging				Caplug No.
A		B		C		Standard Carton		Mini Pak Quantity		
in	mm	in	mm	in	mm	Shipping Wt. (Approx.)			No. of Pieces	
						lbs	kgs			
0.062	1.57	0.312	7.92	1.000	25.4	11	5.0	5000	1000	VRR-062x312-16
0.062	1.57	0.375	9.52	1.000	25.4	12	5.4	5000	1000	VRR-062x375-16
0.062	1.57	0.437	11.09	1.000	25.4	14	6.4	5000	1000	VRR-062x437-16
0.062	1.57	0.468	11.88	1.000	25.4	16	7.3	5000	1000	VRR-062x468-16
0.062	1.57	0.625	15.87	1.000	25.4	16	7.3	4000	800	VRR-062x625-16
0.062	1.57	0.750	19.05	1.000	25.4	16	7.3	3000	600	VRR-062x750-16
0.062	1.57	0.875	22.22	1.000	25.4	16	7.3	2500	500	VRR-062x875-16
0.062	1.57	1.188	30.17	1.000	25.4	14	6.4	1500	300	VRR-062x1188-16
0.062	1.57	1.250	31.75	1.000	25.4	14	6.4	1500	300	VRR-062x1250-16
0.080	2.03	0.875	22.22	1.000	25.4	13	5.9	2000	400	VRR-080x875-16
0.090	2.29	0.875	22.22	1.000	25.4	15	6.8	2000	400	VRR-090x875-16
0.125	3.17	0.375	9.52	1.000	25.4	16	7.3	5000	1000	VRR-125x375-16
0.125	3.17	0.437	11.09	1.000	25.4	14	6.4	4000	800	VRR-125x437-16
0.125	3.17	0.500	12.70	1.000	25.4	15	6.8	4000	800	VRR-125x500-16
0.125	3.17	0.625	15.87	1.000	25.4	15	6.8	3000	600	VRR-125x625-16
0.125	3.17	0.750	19.05	1.000	25.4	13	5.9	2000	400	VRR-125x750-16
0.125	3.17	0.875	22.22	1.000	25.4	14	6.4	2000	400	VRR-125x875-16
0.125	3.17	1.000	25.40	1.000	25.4	16	7.3	2000	400	VRR-125x1000-16
0.125	3.17	1.250	31.75	1.000	25.4	16	7.3	1500	300	VRR-125x1250-16
0.125	3.17	2.250	57.15	1.000	25.4	15	6.8	900	180	VRR-125x2250-16
0.160	4.06	1.250	31.75	1.000	25.4	16	7.3	1500	300	VRR-160x1250-16
0.187	4.74	0.375	9.52	1.000	25.4	15	6.8	4000	800	VRR-187x375-16
0.187	4.74	0.500	12.70	1.000	25.4	13	5.9	3000	600	VRR-187x500-16
0.187	4.74	1.000	25.40	1.000	25.4	13	5.9	1500	300	VRR-187x1000-16
0.187	4.74	1.500	38.10	1.000	25.4	13	5.9	1000	200	VRR-187x1500-16
0.250	6.35	0.375	9.52	1.000	25.4	16	7.3	4000	800	VRR-250x375-16
0.250	6.35	0.500	12.70	1.000	25.4	15	6.8	3000	600	VRR-250x500-16
0.250	6.35	0.625	15.87	1.000	25.4	18	8.2	2500	500	VRR-250x625-16
0.250	6.35	0.750	19.12	1.000	25.4	19	8.6	2000	400	VRR-250x750-16
0.250	6.35	1.000	25.40	1.000	25.4	15	6.8	1500	300	VRR-250x1000-16
0.250	6.35	1.250	31.75	1.000	25.4	12	5.4	1000	200	VRR-250x1250-16
0.312	7.92	0.625	15.87	1.000	25.4	14	6.4	2000	400	VRR-312x625-16
0.312	7.92	1.781	45.23	1.000	25.4	16	7.3	1000	200	VRR-312x1781-16
0.375	9.52	0.500	12.70	1.000	25.4	16	7.3	2500	500	VRR-375x500-16
0.375	9.52	0.875	22.22	1.000	25.4	15	6.8	1500	300	VRR-375x875-16
0.500	12.70	1.000	25.40	1.000	25.4	12	5.4	1000	200	VRR-500x1000-16

Lengths (C Dimension) are available in 1/16" (1.6mm) increments. Length tolerance is ±1/16" (1.6mm).

## VOR Series

Dimensions						Packaging				Caplug No.
A		B		C		Standard Carton		Mini Pak Quantity		
in	mm	in	mm	in	mm	Shipping Wt. (Approx.)			No. of Pieces	
						lbs	kgs			
1.000	25.40	0.350	8.89	0.125	3.18	40	18.1	5000	1000	VOR-1000
1.250	31.75	0.350	8.89	0.125	3.18	31	14.1	3000	600	VOR-1250
1.500	38.10	0.350	8.89	0.125	3.18	33	15.0	2500	500	VOR-1500
1.750	44.45	0.350	8.89	0.065	1.65	31	14.1	2000	400	VOR-1750
2.000	50.80	0.400	10.16	0.080	2.03	27	12.2	1500	300	VOR-2000
2.250	57.15	0.350	8.89	0.125	3.18	26	11.8	1250	250	VOR-2250

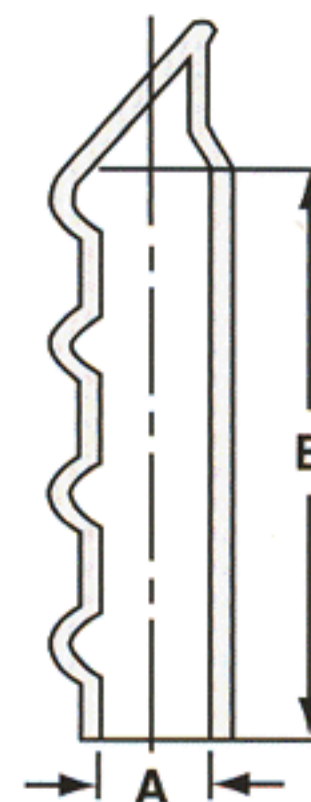
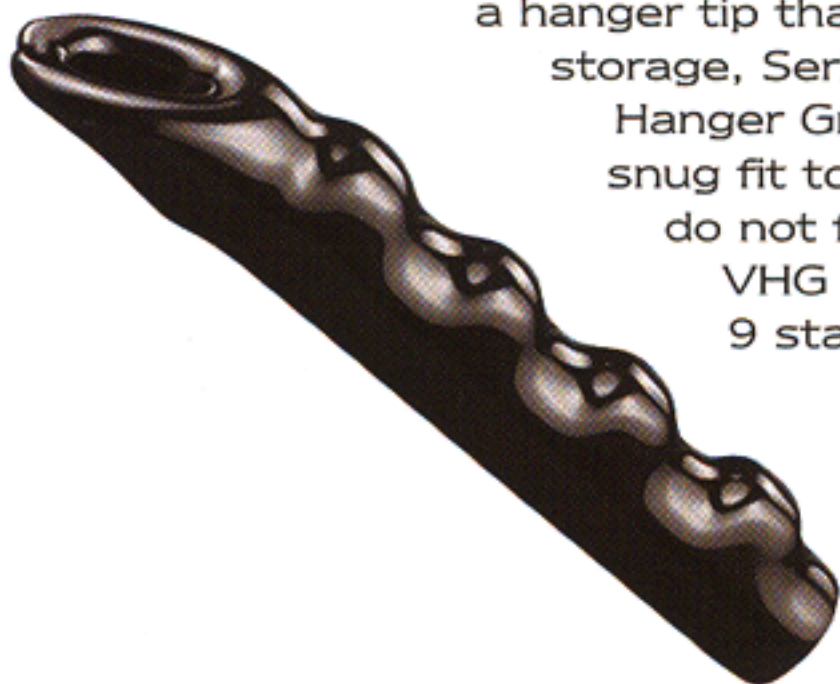




# CAPS Polaris Vinyl

## VHG Series Vinyl Hanger Grips

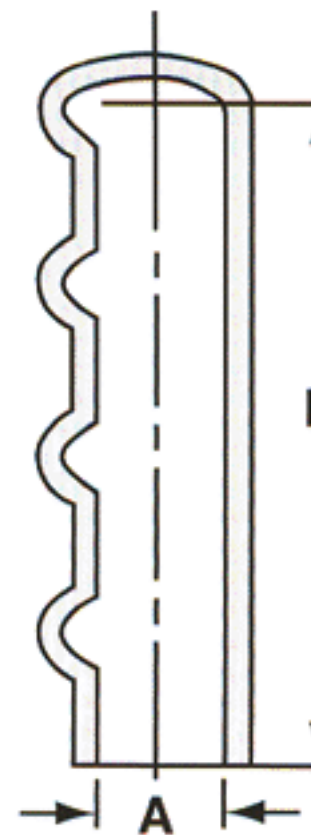
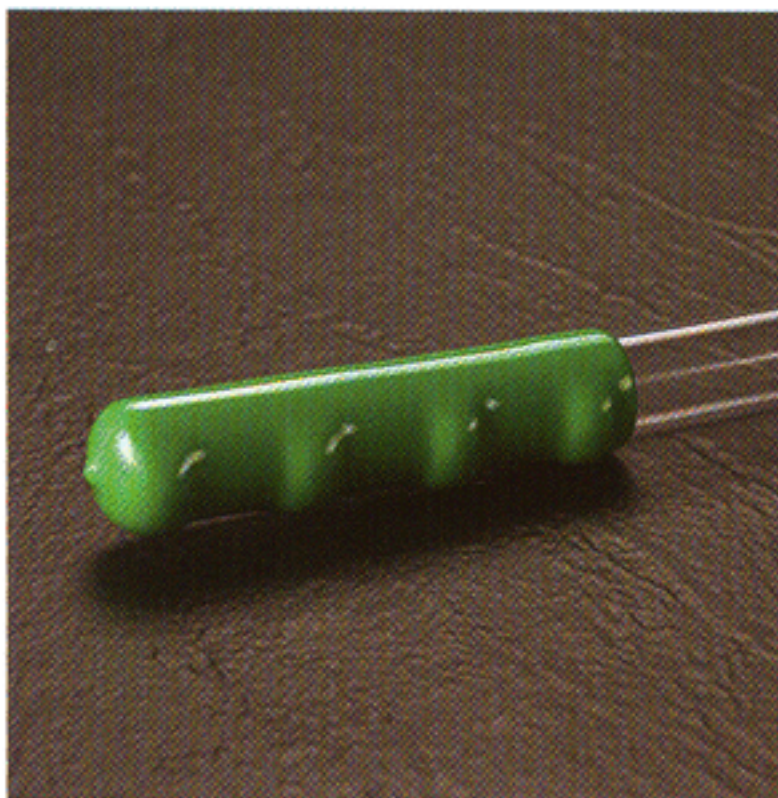
Designed with both finger nubs and a hanger tip that offers easy storage, Series VHG Vinyl Hanger Grips provide a snug fit to ensure caps do not fall off. Series VHG is available in 9 standard colors.



**MATERIAL:** Vinyl  
**COLORS\*:** White, Black, Brown, Orange, Red, Green, Grey, Blue, Yellow – Call factory for colors in stock  
**AVAILABILITY:** Consult Factory

## VNG Series Vinyl Nubbed Grips

Series VNG Vinyl Nubbed Grips are equipped with convenient finger nubs to allow easier gripping. Designed to be used as handles, these reliable grips are available in 9 standard colors.



**MATERIAL:** Vinyl  
**COLORS\*:** White, Black, Brown, Orange, Red, Green, Grey, Blue, Yellow – Call factory for colors in stock  
**AVAILABILITY:** Consult Factory







## VHG Series

Dimensions					Packaging			Caplug No.
					Standard Carton		Mini Pak Quantity	
A		B		Shipping Wt. (Approx.)		No. of Pieces		
in	mm	in	mm	lbs	kgs			
0.625	15.88	4.5	114.3	14	6.4	250	50	VHG-625-72
0.750	19.05	4.5	114.3	15	6.8	250	50	VHG-750-72
0.875	22.22	4.5	114.3	17	7.7	250	50	VHG-875-72
1.000	25.40	4.5	114.3	21	9.5	250	50	VHG-1000-72

## VNG Series

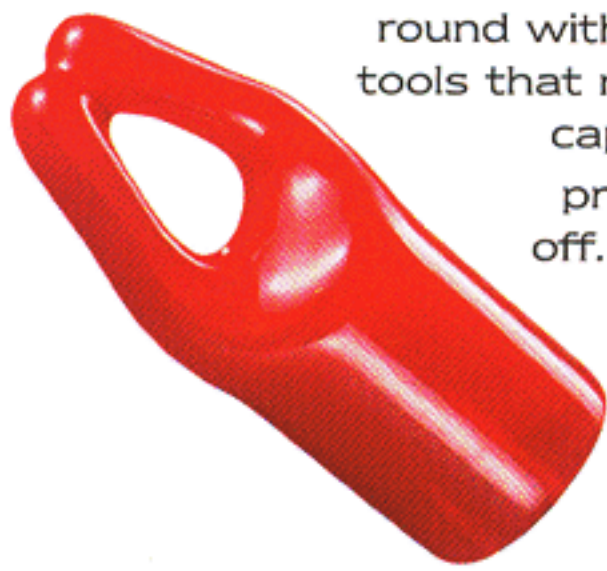
Dimensions					Packaging			Caplug No.
					Standard Carton		Mini Pak Quantity	
A		B		Shipping Wt. (Approx.)		No. of Pieces		
in	mm	in	mm	lbs	kgs			
0.750	19.05	4.5	114.3	13	5.9	250	50	VNG-750-72
0.875	22.22	4.5	114.3	15	6.8	250	50	VNG-875-72
1.000	25.40	4.5	114.3	20	9.1	250	50	VNG-1000-72
1.187	30.14	4.5	114.3	21	9.5	250	50	VNG-1187-72
1.250	31.75	4.5	114.3	26	11.8	250	50	VNG-1250-72





# CAPS Polaris Vinyl

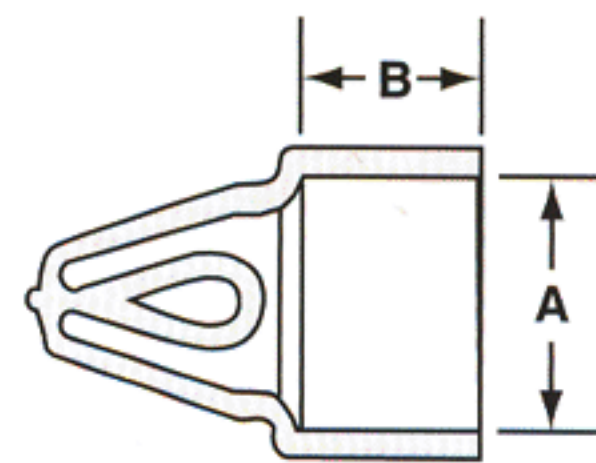
## VHC Series Vinyl Hanger Caps



Series VHC Vinyl Hanger Caps are round with a hanger tip. Ideal for tools that need to be hung, these caps provide a tight fit to prevent caps from falling off. Series VHC is available in 9 standard colors.



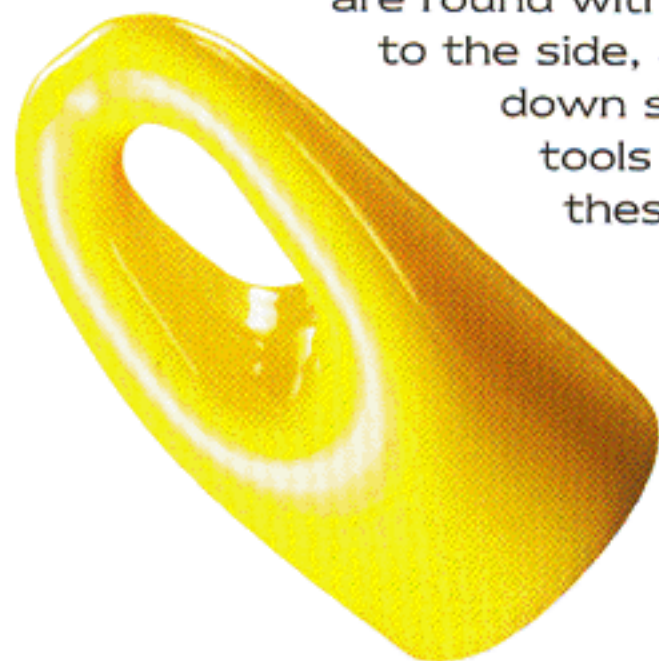
**MATERIAL:** Vinyl  
**COLORS\*:** White, Black, Brown, Orange, Red, Green, Grey, Blue, Yellow – Call factory for colors in stock  
**AVAILABILITY:** Consult Factory



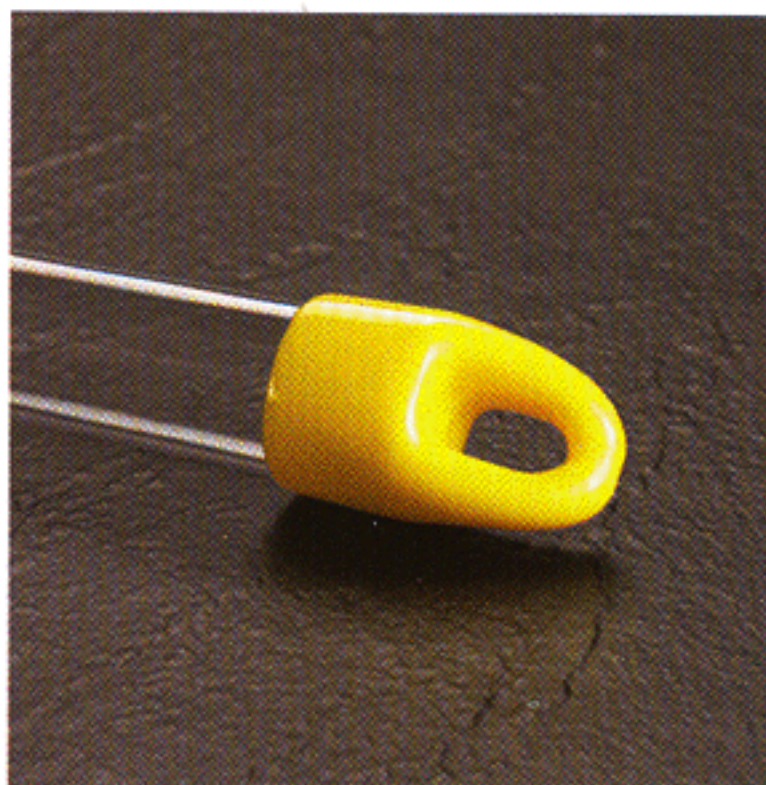
**Note:**

- VHC Series has a maximum length of 2".

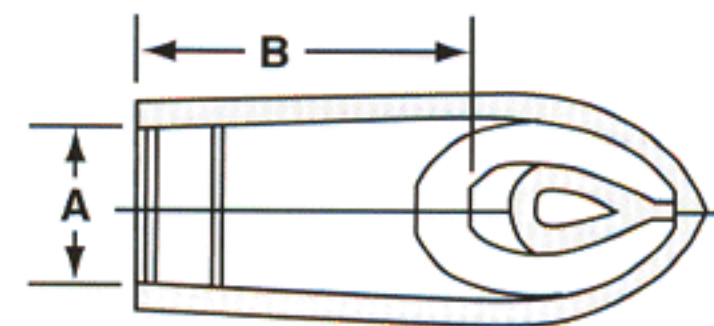
## VHR Series Vinyl Hanger Tips (round)



Series VHR Vinyl Hanger Tip Caps are round with a hanger tip that sits to the side, allowing parts to hang down smoothly. Designed for tools that need to be hung, these caps provide a snug fit to ensure caps do not fall off. Series VHC, available in small sizes, comes in 9 standard colors.



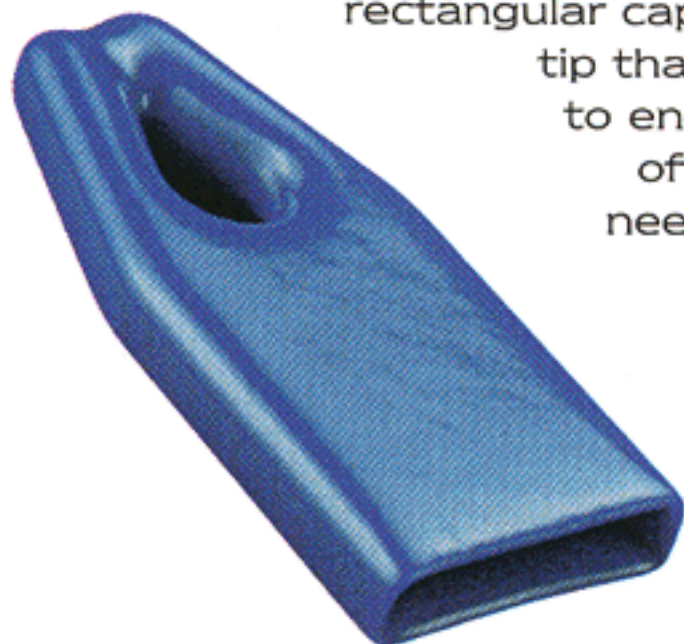
**MATERIAL:** Vinyl  
**COLORS\*:** White, Black, Brown, Orange, Red, Green, Grey, Blue, Yellow – Call factory for colors in stock  
**AVAILABILITY:** Consult Factory



**Note:**

- VHR Series has a maximum length of 2".

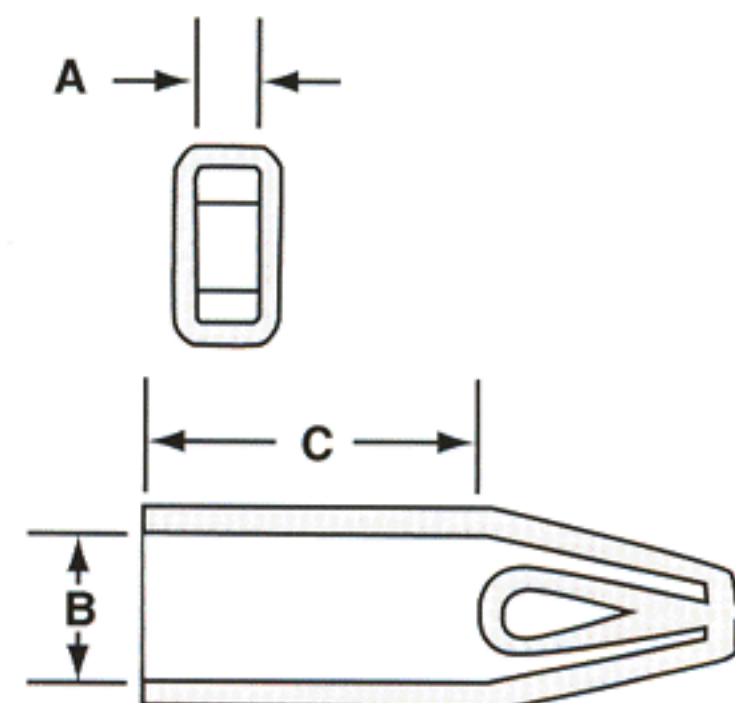
## VHF Series Vinyl Hanger Tips (flat)



Series VHF Vinyl Hanger Tips are rectangular caps with a flat hanger tip that provides a snug fit to ensure caps do not fall off. Ideal for tools that need to be hung, Series VHF is available in 9 standard colors.



**MATERIAL:** Vinyl  
**COLORS\*:** White, Black, Brown, Orange, Red, Green, Grey, Blue, Yellow – Call factory for colors in stock  
**AVAILABILITY:** Consult Factory



**Note:**

- VHF Series has a maximum length of 4".





## VHC Series

Dimensions					Packaging			Caplug No.	
					Standard Carton		Mini Pak Quantity		
in	A	mm	in	B	Shipping Wt. (Approx.)				No. of Pieces
					lbs	kgs			
1.062		26.97	1.000	25.4	24	10.9	1200	240	VHC-1062-16
1.437		36.49	1.000	25.4	25	11.3	750	150	VHC-1437-16
1.500		38.10	1.000	25.4	25	11.3	750	150	VHC-1500-16
2.000		50.80	1.000	25.4	31	14.1	600	120	VHC-2000-16

## VHR Series

Dimensions					Packaging			Caplug No.	
					Standard Carton		Mini Pak Quantity		
in	A	mm	in	B	Shipping Wt. (Approx.)				No. of Pieces
					lbs	kgs			
0.625		15.87	.500	12.70	25	11.3	2500	500	VHR-625-8
0.750		19.05	.750	19.05	25	11.3	2000	400	VHR-750-12
0.875		22.22	.750	19.05	25	11.3	1000	200	VHR-875-12

## VHF Series

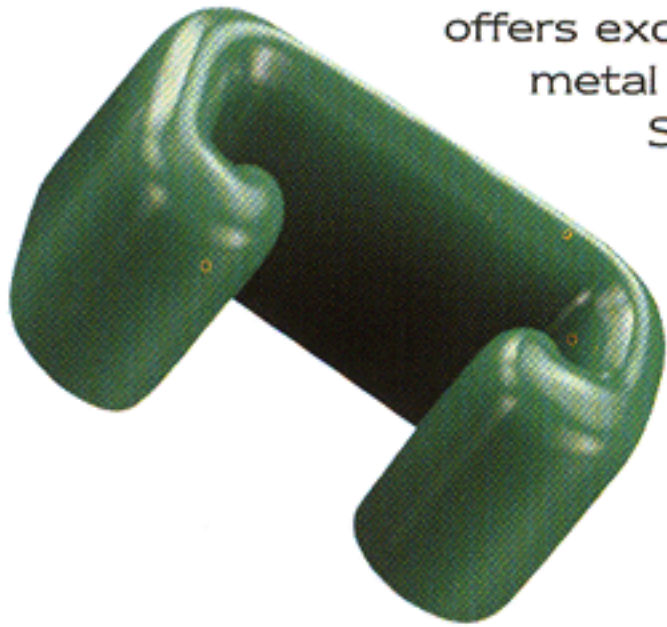
Dimensions							Packaging			Caplug No.	
							Standard Carton		Mini Pak Quantity		
in	A	mm	in	B	in	C	Shipping Wt. (Approx.)				No. of Pieces
							lbs	kgs			
0.125		3.17	0.750	19.05	1.000	25.40	16	7.3	1500	300	VHF-125x750-16
0.250		6.35	0.750	19.05	1.000	25.40	12	5.4	1000	200	VHF-250x750-16
0.250		6.35	1.000	25.40	1.000	25.40	16	7.3	900	180	VHF-250x1000-16
0.375		9.52	1.000	25.40	1.000	25.40	15	6.8	800	160	VHF-375x1000-16
0.500		12.70	1.000	25.40	1.000	25.40	14	6.4	700	140	VHF-500x1000-16





# CAPS Polaris Vinyl

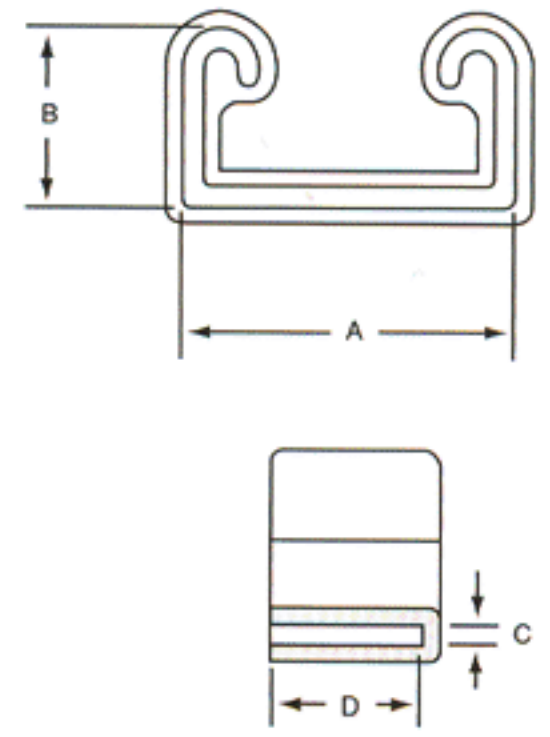
## VMF Series Vinyl Metal Frame Caps



Featuring a unique design that offers excellent protection for metal "U" shaped frames, Series VMF Vinyl "U" Metal Frame Caps greatly reduce the risk of others being cut by sharp metal edges.



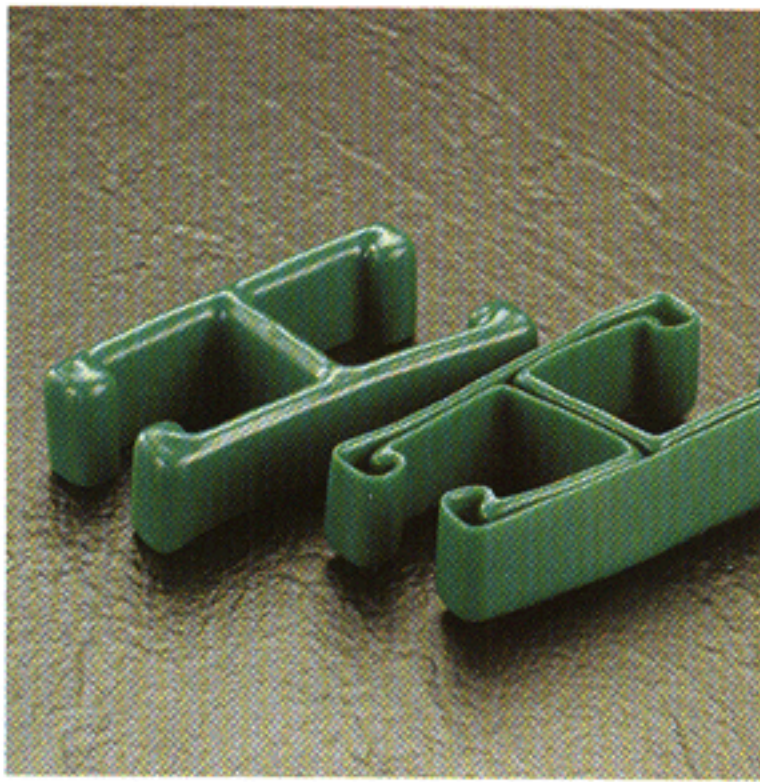
**MATERIAL:** Vinyl  
**COLORS\*:** White, Black, Brown, Orange, Red, Green, Grey, Blue, Yellow – Call factory for colors in stock  
**AVAILABILITY:** Consult Factory



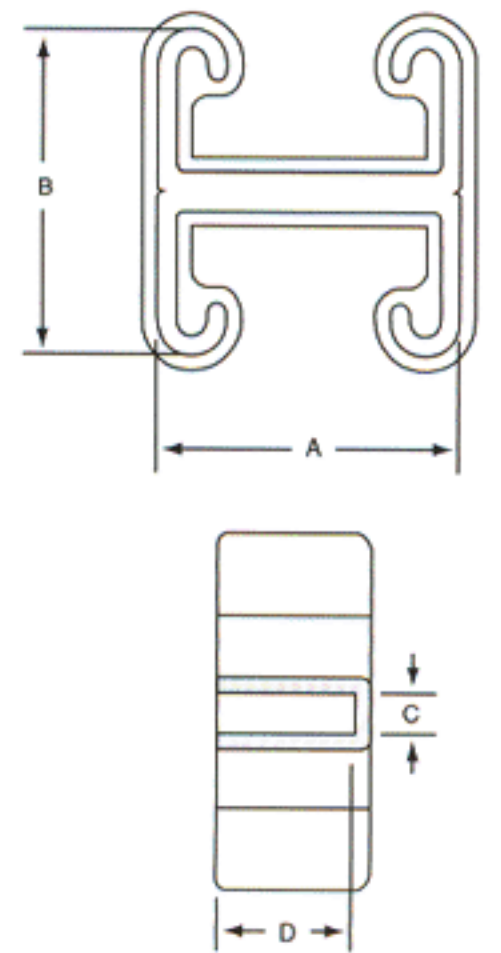
## VIF Series Vinyl "I" Metal Frame Caps



Featuring a unique design that offers excellent protection for metal "I" shaped frames, Series VIF Vinyl "I" Metal Frame Caps greatly reduce the risk of others being cut by sharp metal edges.



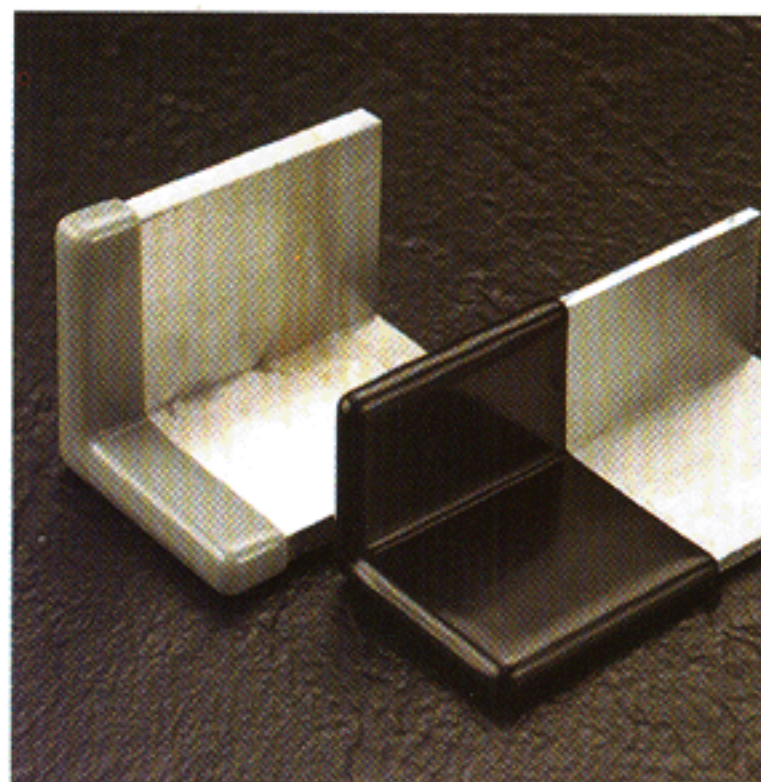
**MATERIAL:** Vinyl  
**COLORS\*:** White, Black, Brown, Orange, Red, Green, Grey, Blue, Yellow – Call factory for colors in stock  
**AVAILABILITY:** Consult Factory



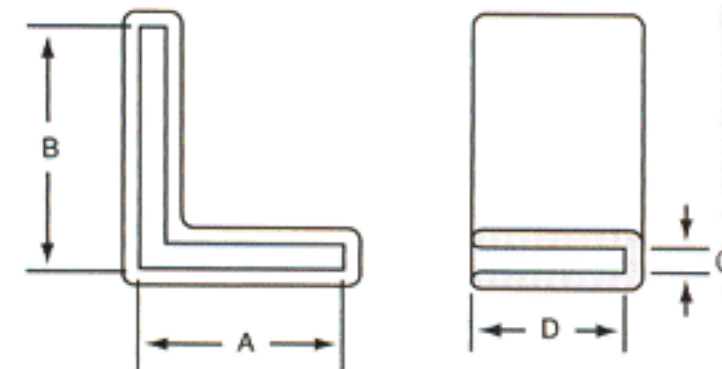
## VAC Series Vinyl Angle Caps



Designed to cap angle iron, Series VAC Vinyl Angle Caps are available in a variety of sizes to protect the corners of metal frames, reducing the risk of others being cut by sharp metal edges. Series VAC is available in 9 standard colors.



**MATERIAL:** Vinyl  
**COLORS\*:** White, Black, Brown, Orange, Red, Green, Grey, Blue, Yellow – Call factory for colors in stock  
**AVAILABILITY:** Consult Factory



### Note:

- VAC Series has a maximum length of 2".





## VMF Series

	Dimensions								Packaging				Caplug No.
	A		B		C		D		Standard Carton		Mini Pak Quantity		
	in	mm	in	mm	in	mm	in	mm	Shipping Wt. (Approx.) lbs	kgs		No. of Pieces	
2	0.812	20.62	0.406	10.31	0.040	1.01	0.750	19.05	15	6.8	1500	300	VMF-812x406x19-12
2	0.812	20.62	0.812	20.62	0.040	1.01	0.750	19.05	14	6.4	1000	200	VMF-812x812x19-12
12	1.250	31.75	0.750	19.05	0.105	2.67	0.750	19.05	16	7.3	700	140	VMF-1250x750x12-12
-12	1.250	31.75	1.250	31.75	0.075	1.90	0.750	19.05	12	5.4	500	100	VMF-1250x1250x14-12
-12	1.250	31.75	2.500	63.50	0.075	1.90	0.750	19.05	13	5.9	300	60	VMF-1250x2500x14-12
12	1.625	41.27	0.812	20.62	0.075	1.90	0.750	19.05	14	6.4	600	120	VMF-1625x812x14-12
12	1.625	41.27	0.875	22.22	0.105	2.67	0.750	19.05	13	5.9	600	120	VMF-1625x875x12-12
-12	1.625	41.27	1.375	34.92	0.105	2.67	0.750	19.05	14	6.4	500	100	VMF-1625x1375x12-12
-12	1.625	41.27	1.625	41.27	0.105	2.67	0.750	19.05	12	5.4	400	80	VMF-1625x1625x12-12
-12	1.625	41.27	2.430	61.72	0.105	2.67	0.750	19.05	11	5.0	300	60	VMF-1625x2437x12-12
-12	1.625	41.27	3.250	82.55	0.105	2.67	0.750	19.05	15	6.8	300	60	VMF-1625x3250x12-12

## VIF Series

	Dimensions								Packaging				Caplug No.
	A		B		C		D		Standard Carton		Mini Pak Quantity		
	in	mm	in	mm	in	mm	in	mm	Shipping Wt. (Approx.) lbs	kgs		No. of Pieces	
2	0.812	20.62	0.812	20.62	0.040	1.01	0.750	19.05	15	6.8	1000	200	VIF-812x812x19-12
2	0.812	20.62	1.625	41.27	0.040	1.01	0.750	19.05	16	7.3	700	140	VIF-812x1625x19-12
12	1.250	31.75	1.500	38.10	0.075	1.90	0.750	19.05	15	6.8	400	80	VIF-1250x1500x14-12
-12	1.250	31.75	2.500	63.50	0.075	1.90	0.750	19.05	23	10.4	300	60	VIF-1250x2500x14-12
-12	1.625	41.27	1.625	41.27	0.075	1.90	0.750	19.05	13	5.9	300	60	VIF-1625x1625x14-12
-12	1.625	41.27	1.750	44.45	0.105	2.67	0.750	19.05	11	5.0	300	60	VIF-1625x1750x12-12
-12	1.625	41.27	2.750	69.85	0.105	2.67	0.750	19.05	16	7.3	300	60	VIF-1625x2750x12-12
-12	1.625	41.27	3.250	82.55	0.105	2.67	0.750	19.05	11	5.0	200	40	VIF-1625x3250x12-12
-12	1.625	41.27	4.870	123.69	0.105	2.67	0.750	19.05	16	7.3	200	40	VIF-1625x4875x12-12
-12	1.625	41.27	6.500	165.10	0.105	2.67	0.750	19.05	10	4.5	100	20	VIF-1625x6500x12-12

## VAC Series

	Dimensions								Packaging				Caplug No.
	A		B		C		D		Standard Carton		Mini Pak Quantity		
	in	mm	in	mm	in	mm	in	mm	Shipping Wt. (Approx.) lbs	kgs		No. of Pieces	
0.750	19.05	0.750	19.05	0.125	3.17	0.500	12.70	14	6.4	3000	600	VAC-750x750-8	
1.000	25.40	1.000	25.40	0.125	3.17	0.500	12.70	11	5.0	1500	300	VAC-1000x1000-8	
1.125	28.57	1.875	47.62	0.125	3.17	0.500	12.70	9	4.1	900	180	VAC-1125x1875-8	
1.250	31.75	1.250	31.75	0.125	3.17	0.500	12.70	9	4.1	1000	200	VAC-1250x1250-8	
1.375	34.92	1.750	44.45	0.125	3.17	0.500	12.70	15	6.8	800	160	VAC-1375x1750-8	
1.500	38.10	1.500	38.10	0.125	3.17	0.500	12.70	7	3.2	900	180	VAC-1500x1500-8	
1.500	38.10	1.750	44.45	0.125	3.17	0.500	12.70	16	7.3	800	160	VAC-1500x1750-8	
2.000	50.80	2.000	50.80	0.125	3.17	0.500	12.70	9	4.1	600	120	VAC-2000x2000-8	

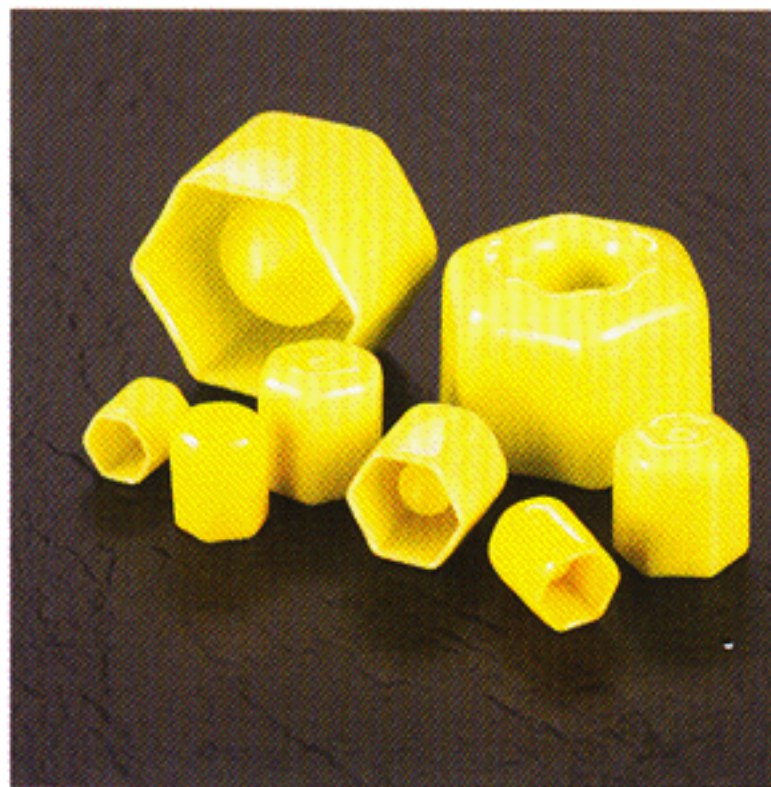
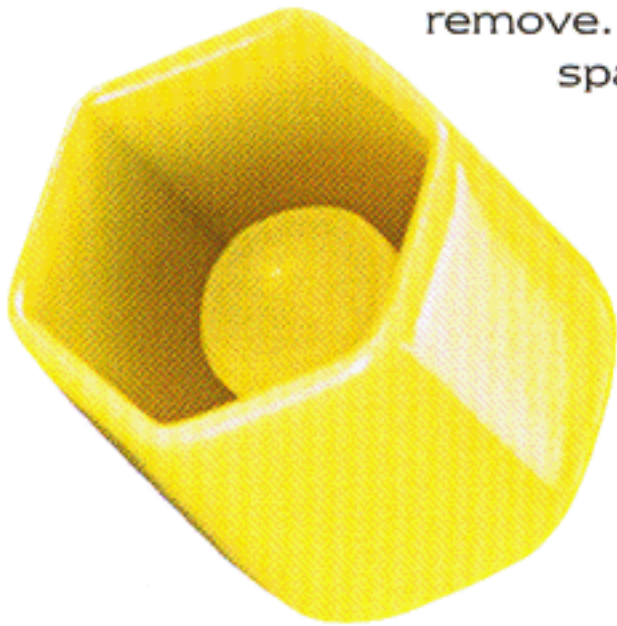




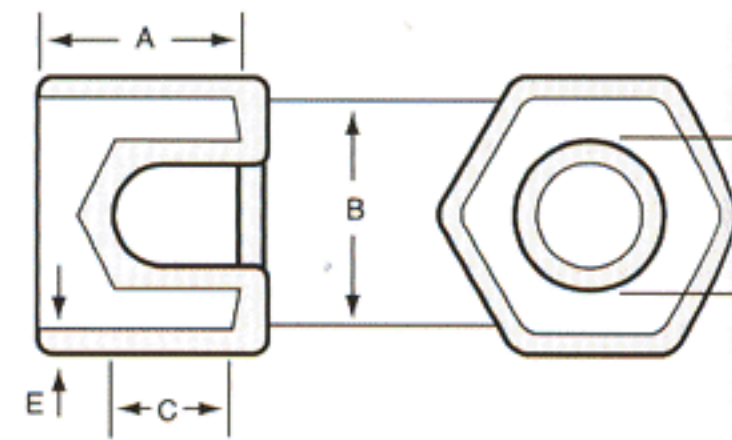
# CAPS Polaris Vinyl

## AN Series Vinyl Hex Caps

Designed for AN style fittings, Series AN Caps are easy to install and remove. Engineered with aerospace quality, these caps are available in all common hydraulic nut sizes. No tools are required to install Series AN Caps.

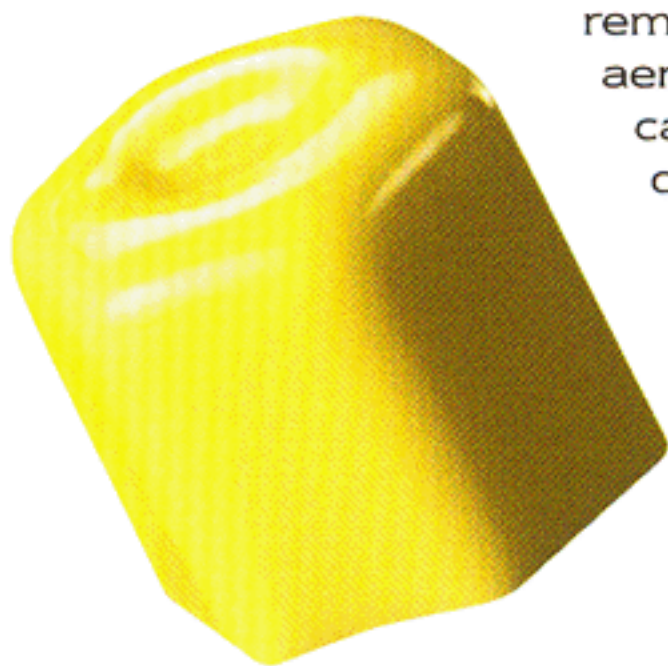


**MATERIAL:** Vinyl  
**COLORS\*:** White, Black, Brown, Orange, Red, Green, Grey, Blue, Yellow – Call factory for colors in stock

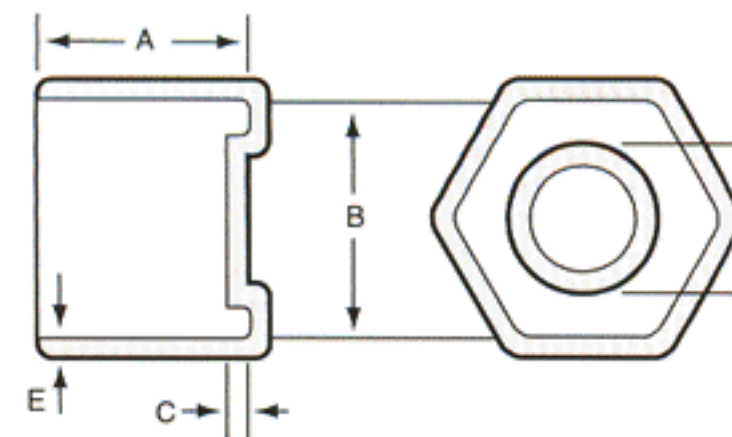


## MS Series Vinyl Hex Caps

Series MS Caps, used for MS style fittings, are easy to install and remove. Engineered with aerospace quality, these caps are available in all common hydraulic nut sizes. No tools are required to install Series MS Caps.



**MATERIAL:** Vinyl  
**COLORS\*:** White, Black, Brown, Orange, Red, Green, Grey, Blue, Yellow – Call factory for colors in stock







## AN Series

Dimensions										Packaging				Caplug No.
A		B		C		D		E		Standard Carton		Mini Pak Quantity		
in	mm	in	mm	in	mm	in	mm	in	mm	Shipping Wt. (Approx.) lbs	kgs		No. of Pieces	
0.550	13.97	0.375	9.53	0.250	6.35	0.203	5.16	0.055	1.40	16	7.3	5000	1000	AN-2
0.625	15.88	0.440	11.18	0.370	9.40	0.203	5.16	0.060	1.52	22	10.0	5000	1000	AN-3
0.645	16.38	0.560	14.22	0.435	11.05	0.250	6.35	0.060	1.52	33	15.0	5000	1000	AN-4
0.690	17.53	0.625	15.88	0.475	12.07	0.315	8.00	0.060	1.52	39	17.7	5000	1000	AN-5
0.725	18.42	0.685	17.40	0.500	12.70	0.375	9.53	0.065	1.65	22	10.0	2500	500	AN-6
0.875	22.23	0.875	22.23	0.563	14.30	0.515	13.08	0.065	1.65	31	14.1	2500	500	AN-8
1.000	25.40	1.000	25.40	0.700	17.78	0.780	19.81	0.065	1.65	55	24.9	2500	500	AN-10
1.000	25.40	1.250	31.75	0.700	17.78	0.780	19.81	0.065	1.65	29	13.2	1000	200	AN-12
1.100	27.94	1.375	34.93	0.700	17.78	0.880	22.35	0.065	1.65	32	14.5	1000	200	AN-14
1.100	27.94	1.500	38.10	0.750	19.05	1.000	25.40	0.065	1.65	33	15.0	1000	200	AN-16
1.250	31.75	1.815	46.10	0.950	24.13	1.219	30.96	0.065	1.65	28	12.7	500	100	AN-20
1.500	38.10	2.250	57.15	-	-	-	-	0.075	1.91	24	10.9	400	80	AN-24
1.500	38.10	2.625	66.68	-	-	-	-	0.075	1.91	16	7.3	200	40	AN-28

## MS Series

Dimensions										Packaging				Caplug No.
A		B		C		D		E		Standard Carton		Mini Pak Quantity		
in	mm	in	mm	in	mm	in	mm	in	mm	Shipping Wt. (Approx.) lbs	kgs		No. of Pieces	
0.550	13.97	0.375	9.53	0.100	2.54	0.190	4.83	0.055	1.40	14	6.4	5000	1000	MS-2
0.625	15.88	0.440	11.18	0.100	2.54	0.245	6.22	0.060	1.52	19	8.6	5000	1000	MS-3
0.725	18.42	0.560	14.22	0.100	2.54	0.250	6.35	0.060	1.52	28	12.7	5000	1000	MS-4
0.800	20.32	0.685	17.40	0.100	2.54	0.375	9.53	0.060	1.52	48	21.8	5000	1000	MS-6
0.825	20.96	0.870	22.10	0.110	2.79	0.500	12.70	0.065	1.60	15	6.8	1000	200	MS-8
1.000	25.40	0.995	25.27	0.190	4.83	0.635	16.13	0.065	1.65	17	7.7	1000	200	MS-10
1.000	25.40	1.125	28.58	-	-	-	-	0.065	1.65	18	8.1	1000	200	MS-11
1.020	25.91	1.250	31.75	0.190	4.83	0.795	20.19	0.065	1.65	12	5.4	500	100	MS-12
1.050	26.67	1.375	34.93	0.125	3.18	0.860	21.84	0.065	1.65	30	13.6	1000	200	MS-14
1.180	29.97	1.500	38.10	0.125	3.18	1.000	25.40	0.065	1.65	35	15.9	1000	200	MS-16
1.250	31.75	1.815	46.10	0.125	3.18	1.225	31.12	0.065	1.65	30	13.6	500	100	MS-20
1.500	38.10	2.250	57.15	-	-	-	-	0.075	1.91	29	13.2	400	80	MS-24
1.500	38.10	2.625	66.68	-	-	-	-	0.075	1.91	20	9.1	200	40	MS-28