

# SOLUTIONS TO PROTECT HYDRAULIC HOSE & FITTINGS



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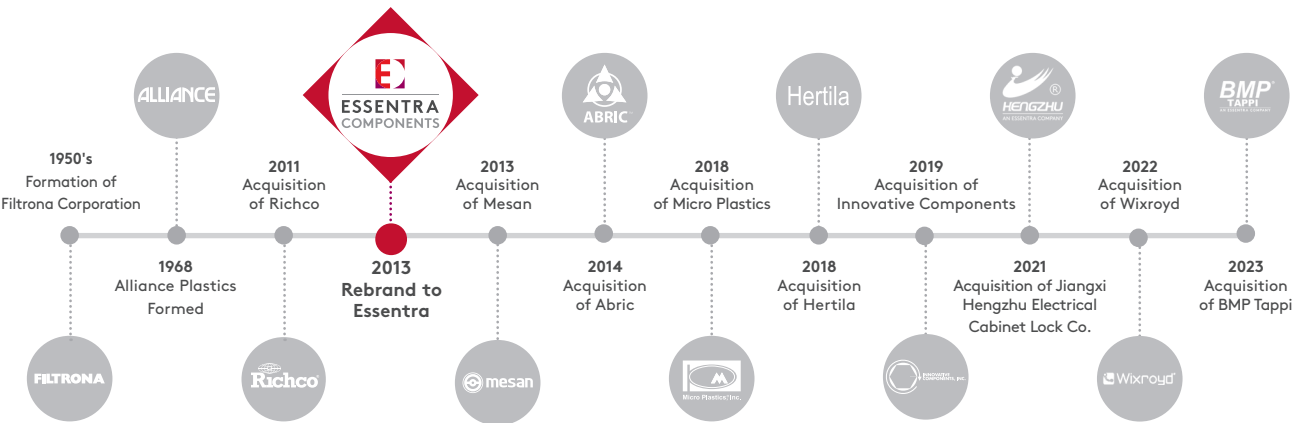
# GLOBAL REACH WITH A LOCAL TOUCH

We bring together the best products, ideas and distribution.



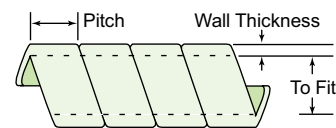
## WHO IS ESSENTRA COMPONENTS?

WHETHER YOU HAVE A GLOBAL OR LOCAL PERSPECTIVE, OUR COMBINED REACH AND COLLECTIVE INSIGHT CREATES SOLUTIONS DESIGNED FOR YOU



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How to calculate quantity of Spiralguard® required

Outside diameter of hose  
Inside diameter of Spiralguard®

X Length (ft) of hose to be covered

Example O.D. of Hose: **.93"**  
SGX75HA I.D. = **.75"**  
Length to wrap = **25 Feet**  
**.93" / .75" = 1.24 X 25 = 31 Feet Required**



SGX Series  
TECTORGUARD™ Heavy & Medium Duty Hose Guards

Specifications

- Material: High-Density Polyethylene
- Color: Black

Features

- TECTORGUARD™ protects against cuts, abrasions, crushing and ultraviolet rays that regularly destroy expensive hoses
- Easy and safe to install either before or after the hose assembly is mounted
- The heavy-duty, double-beveled design on the inside and outside edge prevents snagging or cutting during installation
- Spiral goes up and to the left

Heavy Duty - Heavy Abrasion

| Part Number | To Fit |  | Wall Thickness |      | Pitch |        | Roll Length |       |
|-------------|--------|--|----------------|------|-------|--------|-------------|-------|
|             | in     |  | in             | mm   | in    | mm     | ft          | m     |
| SGX16HA     | 0.492  |  | 0.069          | 1.75 | 0.490 | 12.45  | 100         | 30.48 |
| SGX20HA     | 0.668  |  | 0.086          | 2.18 | 0.610 | 15.49  | 100         | 30.48 |
| SGX25HA     | 0.750  |  | 0.110          | 2.79 | 0.950 | 24.13  | 100         | 30.48 |
| SGX32HA     | 1.014  |  | 0.118          | 2.99 | 1.040 | 26.42  | 100         | 30.48 |
| SGX39HA     | 1.250  |  | 0.132          | 3.35 | 1.350 | 34.29  | 100         | 30.48 |
| SGX45HA     | 1.500  |  | 0.140          | 3.55 | 1.500 | 38.10  | 100         | 30.48 |
| SGX50HA     | 1.600  |  | 0.150          | 3.81 | 1.530 | 38.68  | 50          | 15.24 |
| SGX59HA     | 2.000  |  | 0.160          | 4.06 | 1.600 | 40.64  | 100         | 30.48 |
| SGX75HA     | 2.457  |  | 0.209          | 5.30 | 1.610 | 40.89  | 50          | 15.24 |
| SGX90HA     | 3.064  |  | 0.218          | 5.53 | 1.970 | 50.04  | 35          | 10.66 |
| SGX102HA    | 3.500  |  | 0.250          | 6.35 | 1.950 | 49.53  | 25          | 7.62  |
| SGX114HA    | 4.000  |  | 0.250          | 6.35 | 2.100 | 53.34  | 20          | 6.09  |
| SGX165HA    | 6.000  |  | 0.250          | 6.35 | 4.000 | 101.60 | 15          | 4.57  |

Medium Duty - Flexible with Medium Abrasion

| Part Number | To Fit |  | Wall Thickness |      | Pitch |       | Roll Length |       |
|-------------|--------|--|----------------|------|-------|-------|-------------|-------|
|             | in     |  | in             | mm   | in    | mm    | ft          | m     |
| SGX16MA     | 0.492  |  | 0.045          | 1.14 | 0.490 | 12.45 | 100         | 30.48 |
| SGX20MA     | 0.668  |  | 0.052          | 1.32 | 0.610 | 15.49 | 100         | 30.48 |
| SGX25MA     | 0.750  |  | 0.062          | 1.57 | 0.800 | 20.32 | 100         | 30.48 |
| SGX32MA     | 1.014  |  | 0.071          | 1.80 | 1.040 | 26.42 | 100         | 30.48 |
| SGX39MA     | 1.250  |  | 0.080          | 2.03 | 1.350 | 34.29 | 100         | 30.48 |
| SGX50MA     | 1.600  |  | 0.090          | 2.28 | 1.530 | 38.86 | 50          | 15.24 |
| SGX75MA     | 2.457  |  | 0.125          | 3.17 | 1.610 | 40.89 | 50          | 15.24 |
| SGX90MA     | 3.064  |  | 0.131          | 3.32 | 1.970 | 50.04 | 35          | 10.66 |

Specifications

- Material: High-Density Polyethylene
- Color: Black or Yellow (see chart)

Features

- Protects hydraulic or pneumatic hose against cuts, abrasion, crushing or UV damage that regularly destroys expensive hoses
- The double beveled design prevents snagging or cutting during installation
- Spiral goes up and to the right

Heavy Duty - Heavy Abrasion

| Part Number |            | Hose OD Range |             | Spiral Wrap ID |       | Wall Thickness |     | Pitch |      | Roll Length |    |
|-------------|------------|---------------|-------------|----------------|-------|----------------|-----|-------|------|-------------|----|
| black       | yellow     | in            | mm          | in             | mm    | ft             | m   | in    | mm   | ft          | M  |
| 1437070     | 1437081    | 0.393-0.662   | 10.0-16.8   | 0.393          | 10.0  | 0.060          | 1.5 | 0.393 | 10.0 | 165         | 50 |
| 1437071     | 1437082    | 0.500-0.864   | 12.7-21.9   | 0.500          | 12.7  | 0.067          | 1.7 | 0.472 | 12.0 | 66          | 20 |
| SGX16B-50   | SGX16Y-50  | 0.500-0.864   | 12.7-21.9   | 0.500          | 12.7  | 0.067          | 1.7 | 0.472 | 12.0 | 165         | 50 |
| 1437072     | 1437083    | 0.629-1.06    | 16.0-26.9   | 0.629          | 16.0  | 0.078          | 2.0 | 0.629 | 16.0 | 66          | 20 |
| SGX20B-50   | SGX20Y-50  | 0.629-1.06    | 16.0-26.9   | 0.629          | 16.0  | 0.078          | 2.0 | 0.629 | 16.0 | 165         | 50 |
| 1437073     | 1437084    | 0.826-1.37    | 20.9-34.8   | 0.826          | 20.9  | 0.086          | 2.2 | 0.787 | 20.0 | 66          | 20 |
| SGX25B-50   | SGX25Y-50  | 0.826-1.37    | 20.9-34.8   | 0.826          | 20.9  | 0.086          | 2.2 | 0.787 | 20.0 | 165         | 50 |
| 1437074     | 1437085    | 1.062-1.694   | 27.0-43.0   | 1.062          | 27.0  | 0.098          | 2.5 | 0.866 | 22.0 | 66          | 20 |
| SGX32B-50   | SGX32Y-50  | 1.062-1.694   | 27.0-43.0   | 1.062          | 27.0  | 0.098          | 2.5 | 0.866 | 22.0 | 165         | 50 |
| 1437075     | 1437086    | 1.362-2.170   | 34.6-55.1   | 1.362          | 34.6  | 0.106          | 2.7 | 1.063 | 27.0 | 66          | 20 |
| SGX40B-50   | SGX40Y-50  | 1.362-2.170   | 34.6-55.1   | 1.362          | 34.6  | 0.106          | 2.7 | 1.063 | 27.0 | 165         | 50 |
| 1437076     | 1437087    | 1.732-2.520   | 43.9-64.0   | 1.732          | 44.0  | 0.118          | 3.0 | 1.181 | 30.0 | 66          | 20 |
| 1437077     | 1437088    | 2.180-2.95    | 55.3-74.9   | 2.180          | 55.3  | 0.149          | 3.8 | 1.457 | 37.0 | 66          | 20 |
| 1437078     | 1437089    | 2.637-3.80    | 67.0-96.5   | 2.637          | 67.0  | 0.157          | 4.0 | 1.654 | 42.0 | 66          | 20 |
| 1437079     | 1437090    | 3.150-4.300   | 80.0-109.2  | 3.150          | 80.0  | 0.196          | 5.0 | 1.771 | 45.0 | 66          | 20 |
| 1437080     | 1437091    | 3.897-4.900   | 99.0-124.5  | 3.897          | 99.0  | 0.216          | 5.5 | 1.968 | 50.0 | 40          | 12 |
| SGX125B-12  | SGX125Y-12 | 4.448-5.500   | 113.0-139.7 | 4.448          | 113.0 | 0.236          | 6.0 | 2.165 | 55.0 | 40          | 12 |
| SGX140B-09  | SGX140Y-09 | 5.039-6.000   | 128.0-152.4 | 5.039          | 128.0 | 0.236          | 6.0 | 2.165 | 55.0 | 30          | 9  |



SGX FRAS Series  
SPIRALGUARD™ Flame Retardant Antistatic Series

Specifications

- Material: High-Density Polyethylene
- Color: Dark Gray

Features

- Exceptional anti-crushing performance
- High abrasion resistance
- Good resistance to UV rays
- Reduces risk of industrial injury
- Suitable for wrapping single or multiple hoses
- Proven in arduous conditions
- Suitable for the protection of most types of hydraulic, pneumatic and industrial hose assemblies across a wide range of industries: mining, quarrying, drilling, tunnelling, forestry, welding, manufacturing, agricultural, automotive, marine sub-sea, offshore oil and gas construction



SPIRALGUARD

| Part Number | To Fit | Wall Thickness |      | Pitch |       | Roll Length |    |
|-------------|--------|----------------|------|-------|-------|-------------|----|
|             | in     | in             | mm   | in    | mm    | ft          | m  |
| SGX16FRASA  | 0.472  | 0.089          | 2.25 | 0.510 | 12.95 | 65.62       | 20 |
| SGX20FRASA  | 0.591  | 0.098          | 2.50 | 0.610 | 15.49 | 65.62       | 20 |
| SGX25FRASA  | 0.748  | 0.108          | 2.75 | 0.750 | 19.05 | 65.62       | 20 |
| SGX32FRASA  | 0.906  | 0.138          | 3.50 | 0.900 | 22.86 | 65.62       | 20 |
| SGX40FRASA  | 1.201  | 0.167          | 4.25 | 1.140 | 28.96 | 65.62       | 20 |
| SGX50FRASA  | 1.496  | 0.167          | 4.25 | 1.420 | 36.07 | 65.62       | 20 |
| SGX63FRASA  | 1.850  | 0.217          | 5.50 | 1.550 | 39.37 | 65.62       | 20 |
| SGX75FRASA  | 2.402  | 0.236          | 6.00 | 1.730 | 43.94 | 65.62       | 20 |
| SGX90FRASA  | 2.776  | 0.276          | 7.00 | 2.000 | 50.80 | 65.62       | 20 |
| SGX110FRASA | 3.307  | 0.295          | 7.50 | 2.200 | 55.88 | 32.81       | 10 |

Approvals and Standards:

- Tested and approved in accordance with the former British Coal specification 182:1986, satisfying the requirements of the non-metallics scheme for use underground
- Tested and approved by Mine Safety Laboratory, Department of Mineral Resources NSW to AS2660 FRAS Compliance - 1991 International Standard: ISO6805
- Patented product US6286557B1

THP Series  
Point of Contact Protectors

Specifications

- Material: PVC
- Color: Refer to Chart

Features

- Protects hose and wire abrasion caused by points of contact wear with frames or other abrasive surfaces
- Material is very durable and haas a high wear factor
- Molded in grooves prevent the slipping and wear of cable ties
- Easy to assemble and remove
- Typically used on hydraulic hoses, fuel and oil lines, brake systems, wiring harnesses and battery cables
- The THPSD4B is to be used on 1/2" hoses and smaller since it is designed with a smaller radius

| Part Number |        |        | Length |
|-------------|--------|--------|--------|
| black       | orange | yellow | in     |
| THPSD4B     | —      | —      | 4      |
| THP4B       | THP4A  | THP4C  | 4      |
| THP6B       | THP6A  | THP6C  | 6      |
| THP8B       | THP8A  | THP8C  | 8      |
| THP10B      | THP10A | THP10C | 10     |
| THP12B      | THP12A | THP12C | 12     |



Each THP Assembly Required 3 Ties

Specifications

- Material: UL Approved 94V-2 Nylon 6/6
- Color: Refer to Chart
- Service Temperature: -40°F to 185°F (-40°C to 85°C)

Features

- Complies with MS-3367 and MIL-S-23190E
- RoHS Compliant

| Part Number |        |        |        |        |        |        |
|-------------|--------|--------|--------|--------|--------|--------|
| natural     | black  | green  | red    | yellow | blue   | silver |
| CT025A      | CT025B | CT025G | CT025K | CT025Y | CT025L | CT025S |



|  | Length |     | Width |     | Maximum Bundle Dia. |    | Minimum Tensile Strength |     | Classification | Bulk Pack Qty. |
|-------------------------------------------------------------------------------------|--------|-----|-------|-----|---------------------|----|--------------------------|-----|----------------|----------------|
|                                                                                     | in     | mm  | in    | mm  | in                  | mm | lbs                      | kgs |                |                |
|                                                                                     | 11-7/8 | 300 | 0.189 | 4.8 | 3.350               | 85 | 50                       | 222 | Standard       | 100            |



Approvals and Standards:

- MSHA approved
- Meets ISO 6945 abrasion standard
- Meets FED-STD-191 test method 5309 for abrasion resistance
- Meets ASTM D6770 for abrasion resistance of textile sleeve



Nylon Textile Sleeve

Specifications

- Material: Nylon 6
- Color: See chart

Features

- Working Temperature: -40°F(-40°C) to 257°F(125°C)
- Meets SAE J343/ISO 3457, Burst & Leakage Protection
- Meets EN982 ISO norm 833 EN 414
- UV Solar Protection: BS EN 13758-1
- ISO 8031 approved, Conductivity requirement
- ROHS Compliant
- Protects people, environment and machinery against hydraulic hose oil leakage or spills
- High degree of burst resistance with optimum UV and abrasion protection
- Very dense but not bulky
- Excellent chemical compatibility with gasoline and oils
- Black color typically used on hydraulic hose assemblies and the red color used on wire and cable assemblies
- Pin hole test approved

| Part Number | Round I.D. |     | Flattened Width |     | Color | Roll Length |       |
|-------------|------------|-----|-----------------|-----|-------|-------------|-------|
|             | in.        | mm  | in              | mm  |       | ft          | m     |
| 900500      | 0.67       | 17  | 1.18            | 30  | Black | 300         | 91.44 |
| 900502      | 0.79       | 20  | 1.38            | 35  | Black | 300         | 91.44 |
| • 900503    | 0.79       | 20  | 1.38            | 35  | Red   | 300         | 91.44 |
| 900504      | 0.91       | 23  | 1.57            | 40  | Black | 300         | 91.44 |
| • 900505    | 0.91       | 23  | 1.57            | 40  | Red   | 300         | 91.44 |
| • 900506    | 0.98       | 25  | 1.69            | 43  | Black | 300         | 91.44 |
| 900508      | 1.06       | 27  | 1.81            | 46  | Black | 300         | 91.44 |
| 900510      | 1.22       | 31  | 2.05            | 52  | Black | 300         | 91.44 |
| • 900510R   | 1.22       | 31  | 2.05            | 52  | Red   | 328         | 99.97 |
| • 900511    | 1.30       | 33  | 2.20            | 56  | Black | 300         | 91.44 |
| 900512      | 1.42       | 36  | 2.36            | 60  | Black | 300         | 91.44 |
| 900514      | 1.57       | 40  | 2.64            | 67  | Black | 300         | 91.44 |
| 900516      | 1.73       | 44  | 2.87            | 73  | Black | 300         | 91.44 |
| 900518      | 1.85       | 47  | 3.07            | 78  | Black | 300         | 91.44 |
| • 900519    | 2.09       | 53  | 3.43            | 87  | Black | 300         | 91.44 |
| 900520      | 2.17       | 55  | 3.54            | 90  | Black | 300         | 91.44 |
| • 900520R   | 2.17       | 55  | 3.54            | 90  | Red   | 328         | 99.97 |
| 900522      | 2.36       | 60  | 3.86            | 98  | Black | 300         | 91.44 |
| 900524      | 2.60       | 66  | 4.21            | 107 | Black | 300         | 91.44 |
| • 900526    | 2.87       | 73  | 4.65            | 118 | Black | 300         | 91.44 |
| • 900526R   | 2.87       | 73  | 4.65            | 118 | Red   | 328         | 99.97 |
| • 900527    | 3.07       | 78  | 4.96            | 126 | Black | 300         | 91.44 |
| 900534      | 3.35       | 85  | 5.39            | 137 | Black | 300         | 91.44 |
| 900528      | 3.66       | 93  | 5.91            | 150 | Black | 300         | 91.44 |
| 900530      | 4.41       | 112 | 7.09            | 180 | Black | 300         | 91.44 |

TQS Series

Nylon Quick Assemble Hose Sleeve

Specifications

- Material: Nylon with a Urethane Coating on One Side
- Color: Black

Features

- Excellent for use in the field or for applications where the winding of spiral-formed products is very difficult
- Resistant to heat, ozone and abrasion
- Hook and loop design closure promotes a quick and easy bundling of hose straps
- Close quarter operator protection from hose failures
- Easy assembly and removal
- Containment of hoses and tighter bundling
- Professional appearance - enhances the aesthetics of your equipment

| Part Number | I.D. |        | Flat Width |         | Roll Length |       |
|-------------|------|--------|------------|---------|-------------|-------|
|             | in   | mm     | in         | m       | ft          | m     |
| • TQS1      | 1.0  | 25.40  | 3.980      | 101.09  | 150         | 45.72 |
| • TQS1-1/2  | 1.5  | 38.10  | 5.453      | 138.51  | 150         | 45.72 |
| TQS2        | 2.0  | 50.80  | 7.760      | 197.10  | 150         | 45.72 |
| • TQS2-1/2  | 2.5  | 63.50  | 9.340      | 237.24  | 150         | 45.72 |
| TQS3        | 3.0  | 76.20  | 10.930     | 277.62  | 150         | 45.72 |
| • TQS3-1/2  | 3.5  | 88.90  | 12.312     | 312.72  | 150         | 45.72 |
| TQS4        | 4.0  | 101.60 | 14.125     | 358.78  | 150         | 45.72 |
| • TQS4-1/2  | 4.5  | 114.30 | 15.650     | 397.51  | 150         | 45.72 |
| TQS5        | 5.0  | 127.00 | 17.187     | 436.55  | 150         | 45.72 |
| TQS6        | 6.0  | 152.40 | 20.250     | 514.35  | 150         | 45.72 |
| TQS7        | 7.0  | 177.80 | 23.420     | 594.87  | 150         | 45.72 |
| TQS8        | 9.0  | 228.60 | 26.650     | 676.91  | 150         | 45.72 |
| • TQS9      | 9.0  | 228.60 | 29.750     | 755.65  | 75          | 22.86 |
| • TQS10     | 10.0 | 254.00 | 32.875     | 835.03  | 75          | 22.86 |
| • TQS11     | 11.0 | 279.40 | 36.000     | 914.40  | 75          | 22.86 |
| • TQS12     | 12.0 | 304.80 | 39.100     | 993.14  | 75          | 22.86 |
| • TQS13     | 13.0 | 330.20 | 42.250     | 1073.15 | 75          | 22.86 |
| • TQS14     | 14.0 | 355.60 | 45.380     | 1152.65 | 75          | 22.86 |
| • TQS15     | 15.0 | 381.00 | 48.650     | 1235.71 | 75          | 22.86 |
| • TQS16     | 16.0 | 406.40 | 51.720     | 1313.69 | 75          | 22.86 |

Polyester Hose and Cable Protection Sleeves

Specifications

- Material: Polyester
- Color: Black

Features

- Working Temperature: -40° to 125°C  
(the sleeve loses 10% of the resistance at 125°C)
- Melting Point: 230° C (446° F)
- Most economical MSHA approved sleeve protection option
- Lightweight but high strength and abrasion resistance
- Protects people, environment and machinery against hydraulic hose ruptures

North America Standard

| Part Number | Round I.D. |     | Flattened Width |     | Roll Length |      |
|-------------|------------|-----|-----------------|-----|-------------|------|
|             | in         | mm  | in              | mm  | ft          | m    |
| 900359      | 0.472      | 12  | 0.787           | 20  | 100         | 30.5 |
| 900344      | 0.591      | 15  | 0.984           | 25  | 100         | 30.5 |
| 900345      | 0.748      | 19  | 1.181           | 30  | 100         | 30.5 |
| 900346      | 0.866      | 22  | 1.378           | 35  | 100         | 30.5 |
| 900347      | 0.984      | 25  | 1.575           | 40  | 100         | 30.5 |
| 900348      | 1.102      | 28  | 1.772           | 45  | 100         | 30.5 |
| 900349      | 1.220      | 31  | 1.969           | 50  | 100         | 30.5 |
| 900350      | 1.496      | 38  | 2.362           | 60  | 100         | 30.5 |
| 900351      | 1.732      | 44  | 2.756           | 70  | 100         | 30.5 |
| 900352      | 1.969      | 50  | 3.150           | 80  | 100         | 30.5 |
| 900353      | 2.244      | 57  | 3.543           | 90  | 100         | 30.5 |
| 900354      | 2.362      | 60  | 3.937           | 100 | 100         | 30.5 |
| 900355      | 2.756      | 70  | 4.528           | 115 | 50          | 15.2 |
| 900356      | 3.543      | 90  | 5.709           | 145 | 50          | 15.2 |
| 900357      | 4.331      | 110 | 6.929           | 176 | 50          | 15.2 |
| 900358      | 4.921      | 125 | 7.874           | 200 | 50          | 15.2 |

European Standard

| Part Number | Round I.D. |       | Flattened Width |       | Roll Length |     |
|-------------|------------|-------|-----------------|-------|-------------|-----|
|             | mm         | in    | mm              | in    | m           | ft  |
| 900700      | 20.0       | 0.787 | 34.0            | 1.338 | 50          | 164 |
| 900702      | 25.0       | 0.984 | 42.0            | 1.653 | 50          | 164 |
| 900704      | 30.0       | 1.181 | 49.0            | 1.929 | 50          | 164 |
| 900706      | 35.0       | 1.378 | 59.0            | 2.322 | 50          | 164 |
| 900708      | 40.0       | 1.575 | 65.0            | 2.559 | 50          | 164 |
| 900710      | 45.0       | 1.772 | 72.0            | 2.834 | 50          | 164 |
| 900712      | 50.0       | 1.969 | 76.0            | 2.992 | 50          | 164 |
| 900714      | 55.0       | 2.165 | 89.0            | 3.503 | 50          | 164 |
| 900716      | 60.0       | 2.362 | 97.0            | 3.818 | 50          | 164 |
| 900718      | 65.0       | 2.559 | 106.0           | 4.173 | 50          | 164 |
| 900720      | 75.0       | 2.952 | 117.0           | 4.606 | 50          | 164 |
| 900722      | 85.0       | 3.346 | 136.0           | 5.354 | 50          | 164 |
| 900724      | 90.0       | 3.543 | 144.0           | 5.669 | 50          | 164 |
| 900726      | 95.0       | 3.740 | 149.0           | 5.866 | 50          | 164 |
| 900728      | 110.0      | 4.330 | 178.0           | 7.007 | 50          | 164 |



Industries:

- Fluid Power Hose Manufacturers
- Construction & Agriculture
- Machinery and Equipment
- Industrial Trucks, Tractors, Trailers and Stackers
- Machine Shops
- Oil & Gas Field Services

Approvals and Standards:

- MSHA approved
- Meets ISO 6945 abrasion standard



CLAMP IT // SECURE IT

THOUSANDS of clamping solutions  
in stock & ready to ship.  
See pages 14-16.



### Polyester Quick Assemble Hose or Cable Sleeve

**Specifications**

- Material: Sleeve: Polyester, Hook and Loop: Polyamide
- Color: Black

**Features**

- Lightweight but high strength and abrasion resistance
- Easy assembly and removal
- Breakouts are simple by bringing out through the hook and loop

| Part Number | I.D.  |    | Spread Width |     | Roll Length |    |
|-------------|-------|----|--------------|-----|-------------|----|
|             | in    | mm | in           | m   | ft          | m  |
| 900328      | 0.787 | 20 | 3.149        | 80  | 82          | 25 |
| 900329      | 0.984 | 25 | 3.740        | 95  | 82          | 25 |
| 900330      | 1.181 | 30 | 4.527        | 115 | 82          | 25 |
| 900331      | 1.377 | 35 | 5.118        | 130 | 82          | 25 |
| 900332      | 1.574 | 40 | 5.748        | 146 | 82          | 25 |
| 900333      | 1.771 | 45 | 6.377        | 162 | 82          | 25 |
| 900334      | 1.968 | 50 | 7.007        | 178 | 82          | 25 |



### Textile Heatshrink Sleeves

**Specifications**

- Material: Polyester and Polyolefin
- Color: Black
- Shrink Ratio: 2:1
- Minimum shrink temperature: 176°F (80°C)
- Minimum full recovery temperature: 248°F (120°C)

**Features**

- Provides excellent abrasion resistance and noise reduction
- Easily installed over connectors, fittings, splices, cables and hoses

| Part Number | Nominal Size |    | As Supplied I.D. |    | After Recovery I.D. |      | Roll Length |      |
|-------------|--------------|----|------------------|----|---------------------|------|-------------|------|
|             | in           | mm | in               | mm | in                  | mm   | ft          | m    |
| 900317      | 0.375        | 10 | 0.393            | 10 | 0.196               | 5.0  | 100         | 30.5 |
| 900318      | 0.500        | 12 | 0.472            | 12 | 0.236               | 6.0  | 100         | 30.5 |
| 900319      | 0.750        | 20 | 0.787            | 20 | 0.393               | 10.0 | 100         | 30.5 |
| 900320      | 1.000        | 25 | 0.984            | 25 | 0.492               | 12.5 | 100         | 30.5 |
| 900321      | 1.250        | 30 | 1.181            | 30 | 0.59                | 15.0 | 100         | 30.5 |
| 900322      | 1.338        | 34 | 1.338            | 34 | 0.669               | 17.0 | 100         | 30.5 |
| 900323      | 1.500        | 40 | 1.574            | 40 | 0.787               | 20.0 | 100         | 30.5 |
| 900324      | 2.000        | 50 | 1.968            | 50 | 0.984               | 25.0 | 100         | 30.5 |
| 900325      | 2.375        | 60 | 2.362            | 60 | 1.181               | 30.0 | 100         | 30.5 |
| 900326      | 2.750        | 70 | 2.755            | 70 | 1.377               | 35.0 | 100         | 30.5 |
| 900327      | 3.125        | 80 | 3.149            | 80 | 1.574               | 40.0 | 100         | 30.5 |

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Vinyl Quick Assemble Hose Sleeve

Specifications

- Material: Woven Polyvinyl Chloride
- Color: Black

Features

- Lightweight, tough and highly flexible
- Easy assembly and removal
- Easy to cut to length without fraying
- Sealing properties: Dielectric, thermal
- Mildew and UV resistant

Mechanical Properties

- Grab Tensile: Meets ASTM D5034
- Strip Tensile: Meets ASTM D5035
- Tongue Tear: Meets ASTM D2261
- Temperature Range: 41°F to 180°F
- Meets ROHS

| Part Number | Wrapl.D. |       | Flat Width |     | Roll Length |       |
|-------------|----------|-------|------------|-----|-------------|-------|
|             | in       | mm    | in         | m   | ft          | m     |
| TQSPOLY-2   | 2        | 50.8  | 7.75       | 196 | 150         | 45.72 |
| TQSPOLY-3   | 3        | 76.2  | 11         | 279 | 150         | 45.72 |
| TQSPOLY-4   | 4        | 101.6 | 14         | 355 | 150         | 45.72 |
| TQSPOLY-5   | 5        | 127.0 | 17.25      | 438 | 150         | 45.72 |
| TQSPOLY-6   | 6        | 152.4 | 20.38      | 517 | 150         | 45.72 |
| TQSPOLY-7   | 7        | 177.8 | 23.58      | 598 | 150         | 45.72 |
| TQSPOLY-8   | 8        | 203.2 | 26.62      | 676 | 150         | 45.72 |



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Fire Protection Sleeve

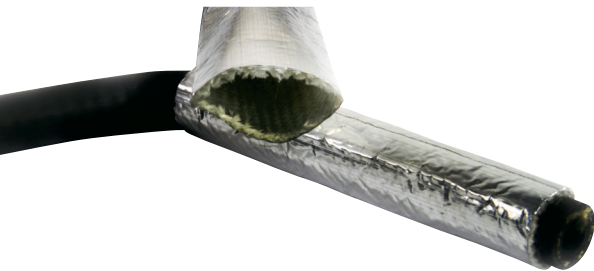
Specifications

- Material: Outer Sleeve: Proprietary Iron Oxide Red Silicone Rubber
- Material: Inner Sleeve: Knitted High Bulk Glass Fiber

Features

- Has excellent elasticity great for protecting or bundling hoses, tubes and cables in a variety of hostile environments
- The insulation properties provide close quartered personnel with effective protection against burns from hot hoses and reduce heat energy loss
- Withstands intense radiant heat and flame
  - Continuous exposure up to 500°F (260°C)
  - 15-20 minutes up to 2000°F (1090°C)
  - 15-30 seconds up to 3000°F (1650°C)
- Immediately sheds splash
  - Withstands repeated exposures to molten steel, molten aluminum and molten glass up to 3000°F (1650°C)

| Part Number | I.D.  |      | Roll Length |
|-------------|-------|------|-------------|
|             | in    | in   | ft          |
| FPS0250     | 0.250 | 0.6  | 50          |
| FPS0313     | 0.313 | 0.8  | 50          |
| FPS0375     | 0.375 | 1.0  | 50          |
| FPS0500     | 0.500 | 1.3  | 50          |
| FPS0625     | 0.625 | 1.6  | 50          |
| FPS0750     | 0.750 | 1.9  | 50          |
| FPS0875     | 0.875 | 2.2  | 50          |
| FPS1000     | 1.000 | 2.5  | 50          |
| FPS1250     | 1.250 | 3.2  | 50          |
| FPS1375     | 1.375 | 3.5  | 50          |
| FPS1500     | 1.500 | 3.8  | 50          |
| FPS1625     | 1.625 | 4.1  | 50          |
| FPS1750     | 1.750 | 4.4  | 50          |
| FPS2000     | 2.000 | 5.1  | 50          |
| FPS2250     | 2.250 | 5.7  | 50          |
| FPS2375     | 2.375 | 6.0  | 50          |
| FPS2500     | 2.500 | 6.4  | 50          |
| FPS2750     | 2.750 | 7.0  | 50          |
| FPS3000     | 3.000 | 7.6  | 50          |
| FPS3250     | 3.250 | 8.3  | 50          |
| FPS3375     | 3.375 | 8.6  | 50          |
| FPS3500     | 3.500 | 8.9  | 50          |
| FPS3750     | 3.750 | 9.5  | 50          |
| FPS4000     | 4.000 | 10.2 | 50          |



Radiant Heat Reflective Sleeve

Specifications

- Material: Outer Sleeve: Aluminum Foil
- Material: Inner Sleeve: Fiberglass
- Color: Silver

Features

- Creates a thermal layer between wires, cables or hoses and the high temperature environments they are in
- Reflects more than 95% of the radiant energy that hits its surface

| Part Number | I.D.  |    | Max. Bundle Diameter |    | Roll Length |      |
|-------------|-------|----|----------------------|----|-------------|------|
|             | in    | mm | in                   | mm | ft          | m    |
| 900404      | 0.393 | 10 | 0.433                | 11 | 100         | 30.5 |
| 900405      | 0.629 | 16 | 0.669                | 17 | 100         | 30.5 |
| 900406      | 0.787 | 20 | 0.826                | 21 | 100         | 30.5 |
| 900407      | 0.984 | 25 | 1.023                | 26 | 100         | 30.5 |
| 900408      | 1.181 | 30 | 1.220                | 31 | 100         | 30.5 |

TCS and THCS Series  
Standard and Hanging Cinch Straps

Specifications

- Material: Standard: Nylon 22 Delrin Buckles
- Material: Heavy Duty: Woven Nylon Webbing, Nickel-Plated Steel Buckles

Features

- Add, remove or adjust hose bundles in minutes
- Cuts normal installation time by 50%
- The hook and loop design holds hoses securely while allowing natural hose expansion and contraction movement without damage
- The grommet on the THCS strap can be attached to any convenient bulkhead or mounting surface
- Excellent UV and weather resistance



Cinch Straps

| Part Number |         | Bundle Diameter |        |
|-------------|---------|-----------------|--------|
| standard    | heavy   | in              | mm     |
| TCS4A       | TCS4HA  | 1.270           | 32.25  |
| TCS8A       | TCS8HA  | 2.540           | 64.51  |
| TCS12A      | TCS12HA | 3.820           | 97.02  |
| TCS16A      | TCS16HA | 5.100           | 129.54 |
| TCS20A      | TCS20HA | 6.370           | 161.79 |

Hanging Cinch Straps

| Part Number |          | Bundle Diameter |        |
|-------------|----------|-----------------|--------|
| standard    | heavy    | in              | mm     |
| THCS1A      | -        | 0.320           | 8.12   |
| THCS4A      | THCS4HA  | 1.270           | 32.25  |
| THCS8A      | THCS8HA  | 2.540           | 64.51  |
| THCS12A     | THCS12HA | 3.820           | 97.02  |
| THCS16A     | THCS16HA | 5.100           | 129.54 |
| THCS20A     | THCS20HA | 6.370           | 161.79 |

TBS Series  
Bundling Straps

Specifications

- Material: Polypropylene Textile Sleeve, Stainless Steel Buckle
- Color: Black

Features

- Designed to bundle hydraulic/pneumatic hose assemblies or cables
- Easy assembly and removal
- Can be used multiple times



| Part Number | Length  |      | Width |      | Tensile Strength |     | Pack Qty. |
|-------------|---------|------|-------|------|------------------|-----|-----------|
|             | in      | mm   | in    | mm   | lbs              | kgs |           |
| TBS600      | 23.622  | 600  | 1     | 25.4 | 550              | 250 | 10        |
| TBS800      | 31.496  | 800  | 1     | 25.4 | 550              | 250 | 10        |
| TBS1000     | 39.370  | 1000 | 1     | 25.4 | 550              | 250 | 10        |
| TBS2000     | 78.740  | 2000 | 1     | 25.4 | 550              | 250 | 10        |
| TBS5000     | 196.850 | 5000 | 1     | 25.4 | 550              | 250 | 10        |



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Vinyl Bend Restrictors

Specifications

- Material: Vinyl PVC
- Color: Black
- Temperature Range: -40°F to 194°F (-40°C to 90°C)

Features

- Reduces bending stress near the hose coupling junction
- Prevents damage to the hose and extends the life of the hose
- Can be used with hydraulic, pneumatic or pressure wash hoses

| Part Number | Hose O.D. |      | Coupling End Max O.D. |      | Coupling End Min O.D. |      | Length |       |
|-------------|-----------|------|-----------------------|------|-----------------------|------|--------|-------|
|             | in        | mm   | in                    | mm   | in                    | mm   | in     | mm    |
| DMBR0375    | 0.374     | 9.5  | 0.591                 | 15.0 | 0.453                 | 11.5 | 5.299  | 134.6 |
| DMBR0590    | 0.591     | 15.0 | 0.827                 | 21.0 | 0.709                 | 18.0 | 5.512  | 140.0 |
| DMBR0689    | 0.689     | 17.5 | 0.886                 | 22.5 | 0.772                 | 19.6 | 6.000  | 152.4 |
| DMBR0748    | 0.748     | 19.0 | 0.925                 | 23.5 | 0.827                 | 21.0 | 7.000  | 177.8 |
| DMBR0826    | 0.827     | 21.0 | 1.000                 | 25.4 | 0.874                 | 22.2 | 7.000  | 177.8 |
| DMBR0937    | 0.937     | 23.8 | 1.213                 | 30.8 | 1.055                 | 26.8 | 8.000  | 203.2 |



Hose Service Plugs

Specifications

- Material: Rubber
- Color: Yellow
- Temperature Range: -13°F to 194°F (-25°C to 90°C)

Features

- Avoid costly spills of oils and chemicals during the maintenance and repair of hoses and rigid pipe
- No tools required; push in and twist
- Strong and reusable

| Part Number | Size   | Plug Range    |               | Pack Qty.         |
|-------------|--------|---------------|---------------|-------------------|
|             |        | in            | mm            |                   |
| HSPSMALL    | Small  | 0.040 - 0.400 | 1.01 - 10.16  | 20                |
| HSPMEDIUM   | Medium | 0.160 - 0.910 | 4.06 - 23.11  | 10                |
| HSP LARGE   | Large  | 0.470 - 1.700 | 11.93 - 43.18 | 4                 |
| HSP MIXED   | Mixed  | 0.040 - 1.700 | 1.01 - 43.18  | 4 Sm, 4 Med, 2 Lg |



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- Double beveled cut for a smooth finish and easy fitting



See Page 5

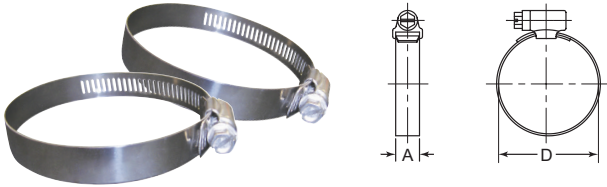
WDHC Series  
Worm Drive or Worm Gear Hose Clamp

Specifications

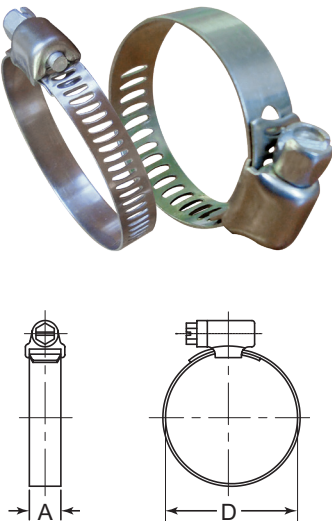
- Material: Refer to Chart

Features

- Can be used with the TSL or TQS series sleeves
- Band detaches from the housing so you can install or remove them without disconnecting the hose or tube
- Screw is same material as the band



| Product Number |                 | SAE # | Dia. Range D |          | A (in) | Bulk Pack Qty. |
|----------------|-----------------|-------|--------------|----------|--------|----------------|
| carbon steel   | stainless steel |       | min (in)     | max (in) |        |                |
| WDHC04A        | WDHC04B         | 4     | 0.250        | 0.625    | 0.320  | 100            |
| WDHC06A        | WDHC06B         | 6     | 0.438        | 0.750    | 0.320  | 100            |
| WDHC08A        | WDHC08B         | 8     | 0.500        | 0.875    | 0.320  | 100            |
| WDHC10A        | WDHC10B         | 10    | 0.500        | 1.063    | 0.500  | 50             |
| WDHC12A        | WDHC12B         | 12    | 0.500        | 1.250    | 0.500  | 50             |
| WDHC16A        | WDHC16B         | 16    | 1.063        | 1.500    | 0.500  | 50             |
| WDHC20A        | WDHC20B         | 20    | 0.750        | 1.750    | 0.500  | 50             |
| WDHC24A        | WDHC24B         | 24    | 1.000        | 2.000    | 0.500  | 25             |
| WDHC28A        | WDHC28B         | 28    | 1.250        | 2.250    | 0.500  | 25             |
| WDHC32A        | WDHC32B         | 32    | 1.500        | 2.500    | 0.500  | 25             |
| WDHC36A        | WDHC36B         | 36    | 1.750        | 2.750    | 0.500  | 25             |
| WDHC44A        | WDHC44B         | 44    | 2.250        | 3.250    | 0.500  | 25             |
| WDHC48A        | WDHC48B         | 48    | 2.500        | 3.500    | 0.500  | 20             |
| WDHC52A        | WDHC52B         | 52    | 2.750        | 3.750    | 0.500  | 20             |
| WDHC56A        | WDHC56B         | 56    | 3.000        | 4.000    | 0.500  | 20             |
| WDHC60A        | WDHC60B         | 60    | 3.250        | 4.250    | 0.500  | 20             |
| WDHC64A        | WDHC64B         | 64    | 2.500        | 4.500    | 0.500  | 20             |
| WDHC72A        | WDHC72B         | 72    | 3.000        | 5.000    | 0.500  | 10             |
| WDHC80A        | WDHC80B         | 80    | 3.500        | 5.500    | 0.500  | 10             |
| WDHC88A        | WDHC88B         | 88    | 4.000        | 6.000    | 0.500  | 10             |
| WDHC96A        | WDHC96B         | 96    | 4.500        | 6.500    | 0.500  | 10             |



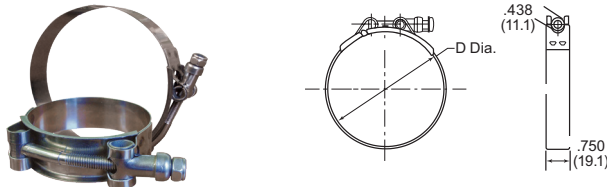
TBC Series  
T-Bolt Hose Clamp

Specifications

- All components 301 stainless steel
- Bolt: 1/4 - 28 inch
- Nut: 7/16 inch hex, nylon insert

Features

- Designed to provide a dependable seal on large diameter applications where high vibration occurs



| Product Number | SAE Size | Dia. Range D |          | Bulk Pack Qty. |
|----------------|----------|--------------|----------|----------------|
|                |          | min (in)     | max (in) |                |
| TBC15A         | —        | 1.375        | 1.562    | 25             |
| TBC17A         | —        | 1.625        | 1.875    | 25             |
| TBC28A         | 28       | 1.750        | 1.937    | 25             |
| TBC32A         | 32       | 1.875        | 2.187    | 25             |
| TBC36A         | 36       | 2.125        | 2.312    | 25             |
| TBC40A         | 40       | 2.250        | 2.437    | 25             |
| TBC44A         | 44       | 2.375        | 2.562    | 25             |
| TBC48A         | 48       | 2.375        | 2.687    | 10             |
| TBC52A         | 52       | 2.500        | 2.812    | 10             |
| TBC56A         | 56       | 2.625        | 2.937    | 10             |
| TBC60A         | 60       | 2.750        | 3.062    | 10             |
| TBC64A         | 64       | 2.875        | 3.187    | 10             |
| TBC68A         | 68       | 3.000        | 3.312    | 10             |
| TBC76A         | 76       | 3.250        | 3.562    | 10             |
| TBC84A         | 84       | 3.500        | 3.812    | 10             |
| TBC92A         | 92       | 3.750        | 4.062    | 10             |
| TBC100A        | 100      | 4.000        | 4.312    | 5              |
| TBC108A        | 108      | 4.250        | 4.562    | 5              |
| TBC116A        | 116      | 4.500        | 4.812    | 5              |
| TBC124A        | 124      | 4.750        | 5.062    | 5              |
| TBC132A        | 132      | 5.000        | 5.312    | 5              |
| TBC140A        | 140      | 5.250        | 5.562    | 5              |
| TBC148A        | 148      | 5.500        | 5.812    | 5              |
| TBC156A        | 156      | 5.750        | 6.062    | 5              |
| TBC172A        | 172      | 6.250        | 6.562    | 5              |
| TBC188A        | 188      | 6.750        | 7.062    | 5              |
| TBC204A        | 204      | 7.250        | 7.562    | 2              |

MHC Series Mini Worm Gear Hose Clamps

Specifications

- Material: band and housing - stainless steel
- Screw: 1/4 inch hex-head, plated carbon steel

Features

- Can be used on small hose applications
- Low profile housing and thin band make them easier to install or remove in confined areas

| Part Number | SAE Size | Minimum (in) | Maximum (in) | A (in) | Bulk Pack Qty. |
|-------------|----------|--------------|--------------|--------|----------------|
| MHC04A      | 4        | 0.250        | 0.625        | 0.312  | 100            |
| MHC05A      | 5        | 0.250        | 0.687        | 0.312  | 100            |
| MHC06A      | 6        | 0.312        | 0.875        | 0.312  | 100            |
| MHC08A      | 8        | 0.375        | 1.000        | 0.312  | 100            |
| MHC10A      | 10       | 0.375        | 1.062        | 0.312  | 100            |
| MHC12A      | 12       | 0.500        | 1.250        | 0.312  | 50             |
| MHC16A      | 16       | 0.500        | 1.500        | 0.312  | 50             |
| MHC20A      | 20       | 0.750        | 1.750        | 0.312  | 50             |
| MHC04A      | 4        | 0.250        | 0.625        | 0.312  | 100            |
| MHC05A      | 5        | 0.250        | 0.687        | 0.312  | 100            |
| MHC06A      | 6        | 0.312        | 0.875        | 0.312  | 100            |
| MHC08A      | 8        | 0.375        | 1.000        | 0.312  | 100            |
| MHC10A      | 10       | 0.375        | 1.062        | 0.312  | 100            |
| MHC12A      | 12       | 0.500        | 1.250        | 0.312  | 50             |
| MHC16A      | 16       | 0.500        | 1.500        | 0.312  | 50             |
| MHC20A      | 20       | 0.750        | 1.750        | 0.312  | 50             |



SPN / SPNW Steel Clamp with Rubber Cushion

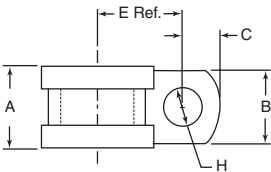
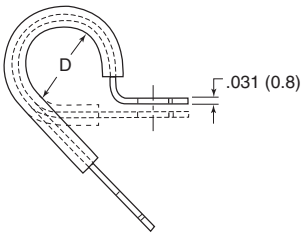
Specifications

- Material: Cold Rolled Steel, Zinc Electroplated, Elastomer Cushion
- Color: Steel with Black Cushion

Features

- Provides electrical insulation and vibration absorption
- Ideal for long-life applications

| Part Number | D Holding Ø |      | B     |      | A     |      | H Hole Ø |      | E Ref. |      | C     |     | Pack Qty. | Bulk Pack Qty. |
|-------------|-------------|------|-------|------|-------|------|----------|------|--------|------|-------|-----|-----------|----------------|
|             | in          | mm   | in    | mm   | in    | mm   | in       | mm   | in     | mm   | in    | mm  |           |                |
| SPN-3       | 0.188       | 4.8  | 0.500 | 12.7 | 0.650 | 16.5 | 0.266    | 6.7  | 0.500  | 12.7 | 0.260 | 6.6 | 1         | 500            |
| SPN-4       | 0.250       | 6.4  | 0.500 | 12.7 | 0.650 | 16.5 | 0.266    | 6.7  | 0.530  | 13.5 | 0.260 | 6.6 | 1         | 500            |
| SPNW-4      | 0.250       | 6.4  | 0.625 | 15.9 | 0.750 | 19.1 | 0.406    | 10.3 | 0.530  | 13.5 | 0.313 | 7.9 | 1         | 100            |
| SPN-5       | 0.313       | 7.9  | 0.500 | 12.7 | 0.650 | 16.5 | 0.266    | 6.7  | 0.560  | 14.2 | 0.260 | 6.6 | 1         | 500            |
| SPNW-5      | 0.313       | 7.9  | 0.625 | 15.9 | 0.750 | 19.1 | 0.406    | 10.3 | 0.560  | 14.2 | 0.313 | 7.9 | 1         | 100            |
| SPN-6       | 0.375       | 9.5  | 0.500 | 12.7 | 0.650 | 16.5 | 0.266    | 6.7  | 0.590  | 15   | 0.260 | 6.6 | 1         | 500            |
| SPNW-6      | 0.375       | 9.5  | 0.625 | 15.9 | 0.750 | 19.1 | 0.406    | 10.3 | 0.590  | 15   | 0.313 | 7.9 | 1         | 100            |
| SPN-7       | 0.438       | 11.1 | 0.500 | 12.7 | 0.650 | 16.5 | 0.266    | 6.7  | 0.620  | 15.7 | 0.260 | 6.6 | 1         | 500            |
| SPNW-7      | 0.438       | 11.1 | 0.625 | 15.9 | 0.750 | 19.1 | 0.406    | 10.3 | 0.620  | 15.7 | 0.313 | 7.9 | 1         | 100            |
| SPN-8       | 0.500       | 12.7 | 0.500 | 12.7 | 0.650 | 16.5 | 0.266    | 6.7  | 0.650  | 16.5 | 0.260 | 6.6 | 1         | 500            |
| SPNW-8      | 0.500       | 12.7 | 0.625 | 15.9 | 0.750 | 19.1 | 0.406    | 10.3 | 0.650  | 16.5 | 0.313 | 7.9 | 1         | 100            |
| SPN-9       | 0.563       | 14.3 | 0.500 | 12.7 | 0.650 | 16.5 | 0.266    | 6.7  | 0.750  | 19.1 | 0.260 | 6.6 | 1         | 500            |
| SPN-10      | 0.625       | 15.9 | 0.500 | 12.7 | 0.650 | 16.5 | 0.266    | 6.7  | 0.780  | 19.8 | 0.260 | 6.6 | 1         | 500            |
| SPNW-10     | 0.625       | 15.9 | 0.625 | 15.9 | 0.750 | 19.1 | 0.406    | 10.3 | 0.780  | 19.8 | 0.313 | 7.9 | 1         | 100            |
| SPN-11      | 0.688       | 17.5 | 0.500 | 12.7 | 0.650 | 16.5 | 0.266    | 6.7  | 0.810  | 20.6 | 0.260 | 6.6 | 1         | 500            |
| SPNW-11     | 0.688       | 17.5 | 0.625 | 15.9 | 0.750 | 19.1 | 0.406    | 10.3 | 0.810  | 20.6 | 0.313 | 7.9 | 1         | 100            |
| SPN-12      | 0.750       | 19.1 | 0.500 | 12.7 | 0.650 | 16.5 | 0.266    | 6.7  | 0.840  | 21.3 | 0.260 | 6.6 | 1         | 500            |
| SPN-14      | 0.875       | 22.2 | 0.500 | 12.7 | 0.650 | 16.5 | 0.266    | 6.7  | 0.900  | 22.9 | 0.260 | 6.6 | 1         | 100            |
| SPNW-14     | 0.875       | 22.2 | 0.625 | 15.9 | 0.750 | 19.1 | 0.406    | 10.3 | 0.900  | 22.9 | 0.313 | 7.9 | 1         | 100            |
| SPN-16      | 1.000       | 25.4 | 0.500 | 12.7 | 0.650 | 16.5 | 0.266    | 6.7  | 0.960  | 24.4 | 0.260 | 6.6 | 1         | 100            |
| SPNW-16     | 1.000       | 25.4 | 0.625 | 15.9 | 0.750 | 19.1 | 0.406    | 10.3 | 0.960  | 24.4 | 0.313 | 7.9 | 1         | 100            |
| SPN-18      | 1.125       | 28.6 | 0.500 | 12.7 | 0.650 | 16.5 | 0.266    | 6.7  | 1.050  | 26.7 | 0.260 | 6.6 | 1         | 100            |
| SPN-20      | 1.250       | 31.8 | 0.500 | 12.7 | 0.650 | 16.5 | 0.266    | 6.7  | 1.110  | 28.2 | 0.260 | 6.6 | 1         | 100            |
| SPNW-20     | 1.250       | 31.8 | 0.625 | 15.9 | 0.750 | 19.1 | 0.406    | 10.3 | 1.110  | 28.2 | 0.313 | 7.9 | 1         | 100            |



NE Aluminum Clamp with Vinyl Coating

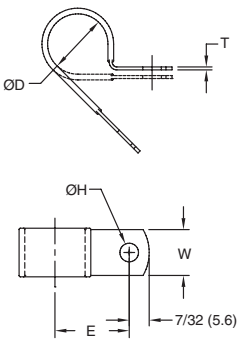
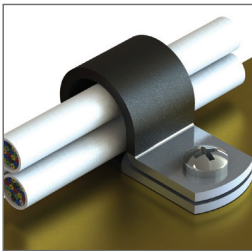
Specifications

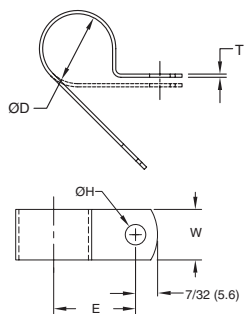
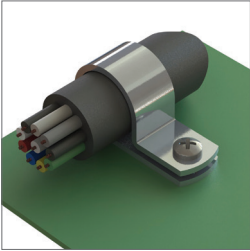
- Material: Aluminum Alloy 5052 H-32 TPV Coating
- Color: Aluminum with Black Coating

Features

- Vinyl coating allows a more permanent solution for protecting cables against vibration
- Screw mount area is bare to ensure firm tightening

| Part Number | Holding Ø D |      | Ø H Hole |     | E Reference |      | T    |     | W   |      | Pack Qty. | Bulk Pack Qty. |
|-------------|-------------|------|----------|-----|-------------|------|------|-----|-----|------|-----------|----------------|
|             | in          | mm   | in       | mm  | in          | mm   | in   | mm  | in  | mm   |           |                |
| NE3         | 3/16        | 4.8  | 0.204    | 5.2 | 0.50        | 12.7 | 1/32 | 0.8 | 3/8 | 9.5  | 1         | 1000           |
| NE4         | 1/4         | 6.4  | 0.204    | 5.2 | 0.53        | 13.5 | 1/32 | 0.8 | 3/8 | 9.5  | 1         | 1000           |
| NE5         | 5/16        | 7.9  | 0.204    | 5.2 | 0.56        | 14.2 | 1/32 | 0.8 | 3/8 | 9.5  | 1         | 1000           |
| NE6         | 3/8         | 9.5  | 0.204    | 5.2 | 0.59        | 15.0 | 1/32 | 0.8 | 3/8 | 9.5  | 1         | 1000           |
| NE7         | 7/16        | 11.1 | 0.204    | 5.2 | 0.62        | 15.7 | 1/32 | 0.8 | 3/8 | 9.5  | 1         | 1000           |
| NE8         | 1/2         | 12.7 | .204     | 5.2 | 0.65        | 16.5 | 1/32 | 0.8 | 3/8 | 9.5  | 1         | 1000           |
| NE9         | 9/16        | 14.3 | .204     | 5.2 | 0.75        | 19.1 | 1/32 | 0.8 | 3/8 | 9.5  | 1         | 1000           |
| NE10        | 5/8         | 15.9 | .204     | 5.2 | 0.78        | 19.8 | 1/32 | 0.8 | 3/8 | 9.5  | 1         | 1000           |
| NE11        | 11/16       | 17.5 | .204     | 5.2 | 0.81        | 20.6 | 1/16 | 1.6 | 1/2 | 12.7 | 1         | 500            |
| NE12        | 3/4         | 19.1 | .204     | 5.2 | 0.84        | 21.3 | 1/16 | 1.6 | 1/2 | 12.7 | 1         | 500            |
| NE14        | 7/8         | 22.2 | .204     | 5.2 | 0.90        | 22.9 | 1/16 | 1.6 | 1/2 | 12.7 | 1         | 500            |
| NE16        | 1           | 25.4 | .204     | 5.2 | 0.96        | 24.4 | 1/16 | 1.6 | 1/2 | 12.7 | 1         | 500            |
| NE18        | 1-1/8       | 28.6 | .204     | 5.2 | 1.05        | 26.7 | 1/16 | 1.6 | 1/2 | 12.7 | 1         | 500            |
| NE20        | 1-1/4       | 31.8 | .204     | 5.2 | 1.11        | 28.2 | 1/16 | 1.6 | 1/2 | 12.7 | 1         | 500            |





AL Aluminum Clamp

Specifications

- Material: Aluminum Alloy 5052 H-32
- Color: Aluminum

| Part Number | Holding Ø D |      | Ø H Hole |     | E Reference |      | T    |     | W   |      | Pack Qty. | Bulk Pack Qty. |
|-------------|-------------|------|----------|-----|-------------|------|------|-----|-----|------|-----------|----------------|
|             | in          | mm   | in       | mm  | in          | mm   | in   | mm  | in  | mm   |           |                |
| AL2A        | 1/8         | 3.2  | 0.204    | 5.2 | 0.46        | 11.7 | 1/32 | 0.8 | 3/8 | 9.5  | 1         | 1000           |
| AL3A        | 3/16        | 4.8  | 0.204    | 5.2 | 0.50        | 12.7 | 1/32 | 0.8 | 3/8 | 9.5  | 1         | 1000           |
| AL4A        | 1/4         | 6.4  | 0.204    | 5.2 | 0.53        | 13.5 | 1/32 | 0.8 | 3/8 | 9.5  | 1         | 1000           |
| AL5A        | 5/16        | 7.9  | 0.204    | 5.2 | 0.56        | 14.2 | 1/32 | 0.8 | 3/8 | 9.5  | 1         | 1000           |
| AL6A        | 3/8         | 9.5  | 0.204    | 5.2 | 0.59        | 15.0 | 1/32 | 0.8 | 3/8 | 9.5  | 1         | 1000           |
| AL7A        | 7/16        | 11.1 | 0.204    | 5.2 | 0.62        | 15.7 | 1/32 | 0.8 | 3/8 | 9.5  | 1         | 1000           |
| AL8A        | 1/2         | 12.7 | 0.204    | 5.2 | 0.65        | 16.5 | 1/32 | 0.8 | 3/8 | 9.5  | 1         | 1000           |
| AL9A        | 9/16        | 14.3 | 0.204    | 5.2 | 0.75        | 19.1 | 1/32 | 0.8 | 3/8 | 9.5  | 1         | 1000           |
| AL10A       | 5/8         | 15.9 | 0.204    | 5.2 | 0.78        | 19.8 | 1/32 | 0.8 | 3/8 | 9.5  | 1         | 1000           |
| AL11        | 11/16       | 17.5 | 0.204    | 5.2 | 0.81        | 20.6 | 1/32 | 0.8 | 1/2 | 12.7 | 1         | 500            |
| AL12        | 3/4         | 19.1 | 0.204    | 5.2 | 0.84        | 21.3 | 1/32 | 0.8 | 1/2 | 12.7 | 1         | 500            |
| AL14        | 7/8         | 22.2 | 0.204    | 5.2 | 0.90        | 22.9 | 1/32 | 0.8 | 1/2 | 12.7 | 1         | 500            |
| AL16        | 1           | 25.4 | 0.204    | 5.2 | 0.96        | 24.4 | 1/16 | 1.6 | 1/2 | 12.7 | 1         | 500            |
| AL18        | 1-1/8       | 28.6 | 0.204    | 5.2 | 1.05        | 26.7 | 1/16 | 1.6 | 1/2 | 12.7 | 1         | 500            |
| AL20        | 1-1/4       | 31.8 | 0.204    | 5.2 | 1.11        | 28.2 | 1/16 | 1.6 | 1/2 | 12.7 | 1         | 500            |

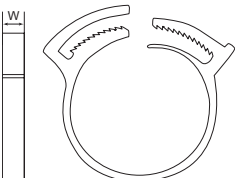
THC and SHC Series Quick Assemble Hose Clamps

Specifications

- Material: THC Series - UL94V-2 Nylon 6/6
- Material: SHC Series - UL94 HB Nylon 6/6
- Color: THC Series - Black
- Color: SHC Series - White

Features

- Quick and easy assembly or removal
- Adjustable locking range to fit various diameters
- Excellent for securing ends of textile covers to hose assemblies



| Part Number | Bundle Range  |             | W     |      |
|-------------|---------------|-------------|-------|------|
|             | in            | mm          | in    | mm   |
| THC1A       | 0.260 - 0.315 | 6.6 - 8.0   | 0.197 | 5.0  |
| THC2A       | 0.315 - 0.362 | 8.0 - 9.2   | 0.197 | 5.0  |
| SHC-23      | 0.359 - 0.390 | 9.1 - 9.9   | 0.220 | 5.6  |
| THC3A       | 0.362 - 0.413 | 9.2 - 10.5  | 0.197 | 5.0  |
| SHC-26      | 0.390 - 0.468 | 9.9 - 11.9  | 0.220 | 5.6  |
| THC4A       | 0.413 - 0.472 | 10.5 - 12.0 | 0.236 | 6.0  |
| SHC-30      | 0.468 - 0.531 | 11.9 - 13.5 | 0.220 | 5.6  |
| THC6A       | 0.504 - 0.591 | 12.8 - 15.0 | 0.276 | 7.0  |
| SHC-32      | 0.531 - 0.593 | 13.5 - 15.1 | 0.220 | 5.6  |
| THC7A       | 0.591 - 0.677 | 15.0 - 17.2 | 0.276 | 7.0  |
| SHC-38      | 0.593 - 0.674 | 15.1 - 16.7 | 0.220 | 5.6  |
| THC8A       | 0.670 - 0.728 | 17.0 - 18.5 | 0.276 | 7.0  |
| SHC-44      | 0.687 - 0.812 | 17.5 - 20.6 | 0.220 | 5.6  |
| THC9A       | 0.717 - 0.807 | 18.2 - 20.5 | 0.276 | 7.0  |
| SHC-50      | 0.750 - 0.875 | 19.1 - 22.2 | 0.220 | 5.6  |
| THC10A      | 0.807 - 0.906 | 20.5 - 23.0 | 0.276 | 7.0  |
| THC11A      | 0.866 - 0.984 | 22.0 - 25.0 | 0.276 | 7.0  |
| SHC-56      | 0.875 - 1.000 | 22.2 - 25.4 | 0.220 | 5.6  |
| SHC-62      | 0.953 - 1.093 | 24.2 - 27.8 | 0.310 | 7.9  |
| THC12A      | 0.984 - 1.102 | 25.0 - 28.0 | 0.276 | 7.0  |
| THC13A      | 1.063 - 1.181 | 27.0 - 30.0 | 0.295 | 7.5  |
| SHC-68      | 1.093 - 1.187 | 26.2 - 30.2 | 0.310 | 7.9  |
| THC14A      | 1.161 - 1.280 | 29.5 - 32.5 | 0.295 | 7.5  |
| THC15A      | 1.280 - 1.398 | 32.5 - 35.5 | 0.315 | 8.00 |
| SHC-80      | 1.250 - 1.437 | 31.8 - 36.5 | 0.310 | 7.9  |
| THC16A      | 1.378 - 1.516 | 35.0 - 38.5 | 0.315 | 8.0  |
| SHC-92      | 1.406 - 1.625 | 35.7 - 41.3 | 0.360 | 9.1  |
| THC17A      | 1.496 - 1.634 | 38.0 - 41.5 | 0.315 | 8.0  |
| THC18A      | 1.614 - 1.752 | 41.0 - 44.5 | 0.315 | 8.0  |
| THC19A      | 1.732 - 1.870 | 44.0 - 47.5 | 0.315 | 8.0  |
| THC20A      | 1.850 - 1.988 | 47.0 - 50.5 | 0.315 | 8.0  |
| THC21A      | 1.969 - 2.106 | 50.0 - 53.5 | 0.315 | 8.0  |
| THC22A      | 2.087 - 2.244 | 53.0 - 57.0 | 0.315 | 8.0  |
| SHC-134     | 2.125 - 2.375 | 54.0 - 60.3 | 0.400 | 10.2 |
| THC23A      | 2.224 - 2.382 | 56.5 - 60.5 | 0.315 | 8.0  |
| THC24A      | 2.362 - 2.559 | 60.0 - 65.0 | 0.315 | 8.0  |
| THC25A      | 2.598 - 2.756 | 66.0 - 70.0 | 0.315 | 8.0  |
| THC26A      | 2.756 - 2.953 | 70.0 - 75.0 | 0.315 | 8.0  |
| THC27A      | 2.992 - 3.150 | 76.0 - 80.0 | 0.315 | 8.0  |
| THC28A      | 3.150 - 3.346 | 80.0 - 85.0 | 0.315 | 8.0  |

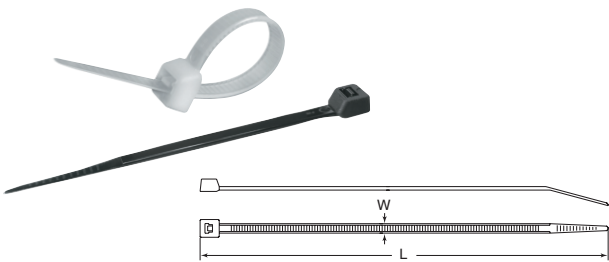
Nylon Locking Tie

Specifications

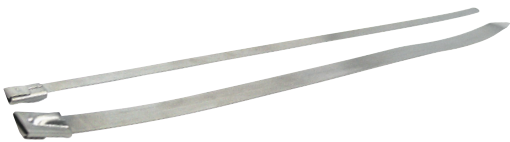
- Material: UL94 V-2 Nylon 6/6
- Color: See Table
- Temperature Range: -40°F to 185°F (-40°C to 85°C)

Features

- Complies with MS-3367 and MIL-S-23190E
- UL 181B-C for UI non-metallic air ducts and connectors on CT080A, CT080B, CT082A and CT082B: recommended for use with R-6 and R-8 flex ducts



| Part Number |        | Approval | L Ref. |        | W Ref. |     | Max Bundle Ø |       | Tensile Strength |     | Classification | Bulk Pack Qty. |
|-------------|--------|----------|--------|--------|--------|-----|--------------|-------|------------------|-----|----------------|----------------|
| natural     | black  |          | in     | mm     | in     | mm  | in           | mm    | lbs              | N   |                |                |
| CT001A      | CT001B | NY       | 3.000  | 75.0   | 0.095  | 2.4 | 0.710        | 18.0  | 18               | 80  | Miniature      | 100            |
| CT002A      | CT002B | NY       | 3.750  | 96.0   | 0.098  | 2.4 | 0.910        | 23.0  | 18               | 80  | Miniature      | 100            |
| WITA-18SF-M | -      | NY       | 3.850  | 97.8   | 0.100  | 2.5 | 0.870        | 22.0  | 18               | 80  | Miniature      | 1000           |
| CT003A      | CT003B | NY       | 4.000  | 100.0  | 0.098  | 2.4 | 0.980        | 25.0  | 18               | 80  | Miniature      | 100            |
| WITA-18R-M  | -      | NY       | 4.720  | 120.0  | 0.100  | 2.5 | 1.060        | 26.9  | 18               | 80  | Miniature      | 1000           |
| CT004A      | CT004B | NY       | 4.750  | 120.0  | 0.098  | 2.5 | 1.180        | 30.0  | 18               | 80  | Miniature      | 100            |
| CT005A      | CT005B | NY       | 5.500  | 142.0  | 0.098  | 2.5 | 1.380        | 35.0  | 18               | 80  | Miniature      | 100            |
| WITA-18L-M  | -      | NY       | 5.900  | 150.0  | 0.100  | 2.5 | 1.460        | 37.1  | 18               | 80  | Miniature      | 1000           |
| CT006A      | CT006B | NY       | 6.500  | 165.0  | 0.098  | 2.5 | 1.730        | 44.0  | 18               | 80  | Miniature      | 100            |
| WITA-18V-M  | -      | NY       | 7.870  | 200.0  | 0.100  | 2.5 | 2.130        | 54.1  | 18               | 80  | Miniature      | 1000           |
| CT007A      | CT007B | NY       | 8.000  | 203.0  | 0.098  | 2.5 | 2.170        | 55.0  | 18               | 80  | Miniature      | 100            |
| WITA-18X-M  | -      | NY       | 15.750 | 400.0  | 0.100  | 2.5 | 4.560        | 116.0 | 18               | 80  | Miniature      | 1000           |
| CT008A      | CT008B | NY       | 4.750  | 120.0  | 0.126  | 3.2 | 1.180        | 40.0  | 40               | 178 | Intermediate   | 100            |
| CT009A      | CT009B | NY       | 5.500  | 142.0  | 0.126  | 3.2 | 1.380        | 40.0  | 40               | 178 | Intermediate   | 100            |
| WITA-40R-C  | -      | NY       | 5.910  | 150.0  | 0.140  | 3.6 | 1.480        | 37.6  | 40               | 178 | Intermediate   | 100            |
| WITA-40R-M  | -      | NY       | 5.910  | 150.0  | 0.140  | 3.6 | 1.480        | 37.6  | 40               | 178 | Intermediate   | 1000           |
| CT010A      | CT010B | NY       | 6.000  | 150.0  | 0.142  | 3.6 | 1.540        | 39.0  | 40               | 178 | Intermediate   | 100            |
| CT020A      | CT020B | NY       | 7.000  | 180.0  | 0.141  | 3.6 | 1.930        | 49.0  | 40               | 178 | Intermediate   | 100            |
| WITA-40L-M  | -      | NY       | 7.870  | 200.0  | 0.140  | 3.6 | 2.050        | 52.0  | 40               | 178 | Intermediate   | 1000           |
| CT011A      | CT011B | NY       | 8.000  | 203.0  | 0.126  | 3.2 | 2.170        | 40.0  | 40               | 178 | Intermediate   | 100            |
| CT012A      | CT012C | NY       | 8.000  | 203.0  | 0.142  | 3.6 | 2.170        | 55.0  | 40               | 178 | Intermediate   | 100            |
| WITA-40XL-M | -      | NY       | 8.070  | 205.0  | 0.140  | 3.6 | 2.100        | 53.3  | 40               | 178 | Intermediate   | 1000           |
| CT013A      | CT013B | NY       | 10.000 | 250.0  | 0.142  | 3.6 | 2.910        | 74.0  | 40               | 178 | Intermediate   | 100            |
| CT014A      | CT014B | NY       | 10.500 | 265.0  | 0.142  | 3.6 | 3.070        | 78.0  | 40               | 178 | Intermediate   | 100            |
| CT015A      | CT015B | NY       | 11.500 | 292.0  | 0.142  | 3.6 | 3.350        | 85.0  | 40               | 178 | Intermediate   | 100            |
| WITA-40VL-M | -      | NY       | 11.810 | 300.0  | 0.140  | 3.6 | 3.270        | 83.0  | 40               | 178 | Intermediate   | 1000           |
| CT016A      | CT016B | NY       | 13.000 | 330.0  | 0.142  | 3.6 | 3.780        | 96.0  | 40               | 178 | Intermediate   | 100            |
| CT017A      | CT017B | NY       | 14.500 | 368.0  | 0.142  | 3.6 | 4.020        | 102.0 | 40               | 178 | Intermediate   | 100            |
| CT018A      | CT018B | NY       | 4.750  | 120.0  | 0.189  | 4.8 | 1.180        | 30.0  | 50               | 222 | Standard       | 100            |
| WITA-50S-M  | -      | NY       | 6.300  | 160.0  | 0.180  | 4.6 | 1.520        | 38.7  | 50               | 222 | Standard       | 1000           |
| CT019A      | CT019B | NY       | 6.500  | 160.0  | 0.189  | 4.8 | 1.650        | 42.0  | 50               | 222 | Standard       | 100            |
| CT021A      | CT021B | NY       | 7.500  | 190.0  | 0.189  | 4.8 | 2.050        | 52.0  | 50               | 222 | Standard       | 100            |
| WITA-50R-M  | -      | NY       | 7.900  | 200.7  | 0.180  | 4.6 | 1.950        | 49.5  | 50               | 222 | Standard       | 1000           |
| CT022A      | CT022B | NY       | 8.000  | 203.0  | 0.181  | 4.6 | 2.170        | 55.0  | 50               | 222 | Standard       | 100            |
| CT023A      | CT023B | NY       | 10.000 | 250.0  | 0.189  | 4.8 | 2.910        | 74.0  | 50               | 222 | Standard       | 100            |
| CT024A      | CT024B | NY       | 11.000 | 280.0  | 0.189  | 4.8 | 3.190        | 81.0  | 50               | 222 | Standard       | 100            |
| WITA-50RL-M | -      | NY       | 11.020 | 280.0  | 0.190  | 4.8 | 3.030        | 77.0  | 50               | 222 | Standard       | 1000           |
| CT025A      | CT025B | NY       | 11.875 | 300.0  | 0.189  | 4.8 | 3.350        | 85.0  | 50               | 222 | Standard       | 100            |
| CT026A      | CT026B | NY       | 12.250 | 310.0  | 0.189  | 4.8 | 3.500        | 89.0  | 50               | 222 | Standard       | 100            |
| CT027A      | CT027B | NY       | 14.500 | 368.0  | 0.189  | 4.8 | 4.020        | 102.0 | 50               | 222 | Standard       | 100            |
| CT028A      | CT028B | NY       | 15.250 | 385.0  | 0.189  | 4.8 | 4.570        | 116.0 | 50               | 222 | Standard       | 100            |
| WITA-50L-M  | -      | NY       | 15.750 | 400.0  | 0.180  | 4.6 | 4.450        | 113.0 | 50               | 222 | Standard       | 1000           |
| CT029A      | CT029B | NY       | 17.000 | 432.0  | 0.189  | 4.8 | 4.920        | 125.0 | 50               | 222 | Standard       | 100            |
| CT030A      | CT030B | NY       | 17.750 | 450.0  | 0.189  | 4.8 | 5.120        | 130.0 | 50               | 222 | Standard       | 100            |
| CT031A      | CT031B | NY       | 19.687 | 500.0  | 0.189  | 4.8 | 5.910        | 150.0 | 50               | 222 | Standard       | 100            |
| CT033A      | CT033B | -        | 21.687 | 550.0  | 0.189  | 4.8 | 6.540        | 166.0 | 50               | 222 | Standard       | 100            |
| WITA-50XL-C | -      | NY       | 25.000 | 635.0  | 0.190  | 4.8 | 7.480        | 190.0 | 50               | 222 | Standard       | 100            |
| CT063A      | CT063B | -        | 36.000 | 914.0  | 0.189  | 4.8 | 10.630       | 270.0 | 50               | 222 | Standard       | 100            |
| CT064A      | CT064B | -        | 4.750  | 120.0  | 0.299  | 7.6 | 1.180        | 30.0  | 120              | 534 | Heavy Duty     | 100            |
| CT065A      | CT065B | -        | 6.000  | 150.0  | 0.299  | 7.6 | 1.540        | 39.0  | 120              | 534 | Heavy Duty     | 100            |
| CT066A      | CT066B | NY       | 8.000  | 203.0  | 0.299  | 7.6 | 2.170        | 55.0  | 120              | 534 | Heavy Duty     | 100            |
| WITA-120S-D | -      | NY       | 8.600  | 218.0  | 0.300  | 7.6 | 2.010        | 51.0  | 120              | 534 | Heavy Duty     | 500            |
| CT067A      | CT067B | NY       | 9.437  | 240.0  | 0.299  | 7.6 | 2.600        | 66.0  | 120              | 534 | Heavy Duty     | 100            |
| CT068A      | CT068B | NY       | 11.000 | 280.0  | 0.299  | 7.6 | 3.070        | 78.0  | 120              | 534 | Heavy Duty     | 100            |
| CT069A      | CT069B | NY       | 11.750 | 300.0  | 0.299  | 7.6 | 3.460        | 88.0  | 120              | 534 | Heavy Duty     | 100            |
| CT070A      | CT070B | NY       | 13.500 | 340.0  | 0.299  | 7.6 | 3.900        | 99.0  | 120              | 534 | Heavy Duty     | 100            |
| CT071A      | CT071B | -        | 15.000 | 380.0  | 0.252  | 6.4 | 4.330        | 110.0 | 100              | 445 | Heavy Duty     | 100            |
| CT072A      | CT072B | NY       | 15.000 | 380.0  | 0.299  | 7.6 | 4.330        | 110.0 | 120              | 534 | Heavy Duty     | 100            |
| WITA-120R-D | -      | NY       | 15.750 | 400.0  | 0.310  | 7.8 | 4.450        | 113.0 | 120              | 534 | Heavy Duty     | 500            |
| CT073A      | CT073B | NY       | 17.750 | 450.0  | 0.315  | 8.0 | 5.240        | 133.0 | 120              | 534 | Heavy Duty     | 100            |
| WITA-120L-D | -      | NY       | 21.650 | 550.0  | 0.310  | 7.8 | 6.380        | 162.0 | 120              | 534 | Heavy Duty     | 500            |
| CT074A      | CT074B | NY       | 21.687 | 550.0  | 0.315  | 8.0 | 6.540        | 166.0 | 175              | 778 | Heavy Duty     | 100            |
| WITA-175L-L | -      | NY       | 24.000 | 610.0  | 0.350  | 9.0 | 7.020        | 178.0 | 175              | 778 | Heavy Duty     | 50             |
| CT075A      | CT075B | NY       | 24.000 | 610.0  | 0.354  | 9.0 | 7.280        | 185.0 | 175              | 778 | Heavy Duty     | 100            |
| CT076A      | CT076B | NY       | 27.000 | 685.0  | 0.354  | 9.0 | 8.270        | 210.0 | 175              | 778 | Heavy Duty     | 100            |
| CT077A      | CT077B | NY       | 28.000 | 710.0  | 0.354  | 9.0 | 8.660        | 220.0 | 175              | 778 | Heavy Duty     | 100            |
| CT078A      | CT078B | NY       | 30.000 | 762.0  | 0.354  | 9.0 | 9.290        | 236.0 | 175              | 778 | Heavy Duty     | 100            |
| CT079A      | CT079B | NY       | 32.000 | 812.0  | 0.354  | 9.0 | 9.690        | 246.0 | 175              | 778 | Heavy Duty     | 100            |
| CT080A      | CT080B | NY       | 36.000 | 914.0  | 0.354  | 9.0 | 10.630       | 270.0 | 175              | 778 | Heavy Duty     | 100            |
| WITA-175L-Q | -      | NY       | 36.000 | 914.0  | 0.350  | 9.0 | 10.910       | 277.0 | 175              | 778 | Heavy Duty     | 25             |
| CT081A      | CT081B | NY       | 46.000 | 1168.0 | 0.354  | 9.0 | 14.170       | 360.0 | 175              | 778 | Heavy Duty     | 100            |
| CT082A      | CT082B | NY       | 48.000 | 1219.0 | 0.354  | 9.0 | 15.000       | 380.0 | 175              | 778 | Heavy Duty     | 100            |
| CT084A      | CT084B | NY       | 59.000 | 1500.0 | 0.354  | 9.0 | 18.270       | 464.0 | 175              | 778 | Heavy Duty     | 100            |



CTSS Stainless Steel Locking Tie

Specifications

- Material: See Table
- Temperature Range: -112°F to 1000°F (-80°C to 538°C)

Features

- Self locking, can be installed by hand
- Excellent resistance to chemicals
- 304 Stainless Steel is an economical choice for light duty applications
- 316 Stainless Steel has superior corrosion resistance for rugged conditions

| Part Number         |                     | Length |     | Width |     | Tensile Strength |      | Pack Qty. | Bulk Pack Qty. |
|---------------------|---------------------|--------|-----|-------|-----|------------------|------|-----------|----------------|
| 304 Stainless Steel | 316 Stainless Steel | in     | mm  | in    | mm  | lbs              | N    |           |                |
| CTSS0152A           | CTSS0152B           | 6.000  | 152 | 0.181 | 4.6 | 96               | 427  | 1         | 100            |
| CTSS0201A           | CTSS0201B           | 7.910  | 201 | 0.181 | 4.6 | 96               | 427  | 1         | 100            |
| CTSS0360A           | CTSS0360B           | 14.170 | 360 | 0.181 | 4.6 | 96               | 427  | 1         | 100            |
| CTSS0520A           | CTSS0520B           | 20.500 | 520 | 0.181 | 4.6 | 96               | 427  | 1         | 100            |
| CTSS0679A           | CTSS0679B           | 26.730 | 679 | 0.181 | 4.6 | 96               | 427  | 1         | 100            |
| CTSS2201A           | CTSS2201B           | 7.910  | 201 | 0.311 | 7.9 | 242              | 1076 | 1         | 100            |
| CTSS2362A           | CTSS2362B           | 14.250 | 362 | 0.311 | 7.9 | 242              | 1076 | 1         | 100            |
| CTSS2520A           | CTSS2520B           | 20.500 | 520 | 0.311 | 7.9 | 242              | 1076 | 1         | 100            |
| CTSS2679A           | CTSS2679B           | 26.750 | 679 | 0.311 | 7.9 | 242              | 1076 | 1         | 100            |
| CTSS2840A           | CTSS2840B           | 33.000 | 838 | 0.311 | 7.9 | 242              | 1076 | 1         | 100            |



CTCS PVC Coated Stainless Steel Cable Tie

Specifications

- Material: 316 Grade Stainless Steel with Black PVC Coating
- Temperature Range: -112°F to 302°F (-80°C to 150°C)

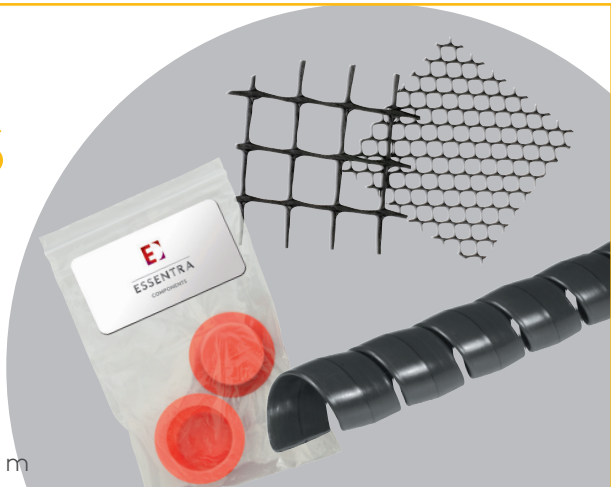
Features

- Coated version offers edge protection and prevents corrosion between metals

| Part Number | Length |       | Width |     | Max Bundle Ø |       | Tensile Strength |      | Pack Qty. | Bulk Pack Qty. |
|-------------|--------|-------|-------|-----|--------------|-------|------------------|------|-----------|----------------|
|             | in     | mm    | in    | mm  | in           | mm    | lbs              | N    |           |                |
| CTCS0150B   | 5.91   | 150.0 | 0.181 | 4.6 | 1.18         | 30.0  | 112.5            | 500  | 1         | 100            |
| CTCS0200B   | 7.87   | 200.0 | 0.181 | 4.6 | 1.97         | 50.0  | 112.5            | 500  | 1         | 100            |
| CTCS0360B   | 14.17  | 360.0 | 0.181 | 4.6 | 3.94         | 100.0 | 112.5            | 500  | 1         | 100            |
| CTCS0520B   | 20.47  | 520.0 | 0.181 | 4.6 | 6.14         | 156.0 | 112.5            | 500  | 1         | 100            |
| CTCS0680B   | 26.77  | 680.0 | 0.181 | 4.6 | 8.15         | 207.0 | 112.5            | 500  | 1         | 100            |
| CTCS1200B   | 7.87   | 200.0 | 0.311 | 7.9 | 1.97         | 50.0  | 250.8            | 1115 | 1         | 100            |
| CTCS1360B   | 14.17  | 360.0 | 0.311 | 7.9 | 3.94         | 100.0 | 250.8            | 1115 | 1         | 100            |
| CTCS1520B   | 20.47  | 520.0 | 0.311 | 7.9 | 6.14         | 156.0 | 250.8            | 1115 | 1         | 100            |
| CTCS1680B   | 26.77  | 680.0 | 0.311 | 7.9 | 8.15         | 207.0 | 250.8            | 1115 | 1         | 100            |
| CTCS1840B   | 33.07  | 840.0 | 0.311 | 7.9 | 9.84         | 250.0 | 250.8            | 1115 | 1         | 100            |

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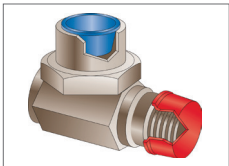
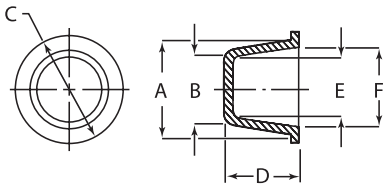
Numbered Series Tapered Caps

Specifications

- Material: Low Density Polyethylene
- Color: Refer to Chart

Features

- The tapered design allows the part to plug multiple inner diameters or cap multiple outside diameters
- Protects against damage, dirt, moisture and corrosion during storage and shipping



To Assure Proper Fit:

Plugs

Plug dimension "A" should be approx. 1% larger than the inner diameter of the part.  
Minimum of .020"

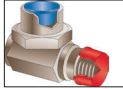
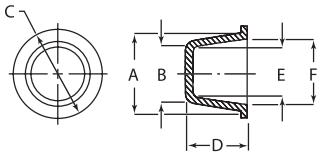
Caps

Cap dimension "E" should be approx. 1% smaller than the outside diameter of the part.  
Minimum of .020"

See inside back cover for Application Wizards.

| Part Number |         | Use as a Plug |       |       |       |       |       |       |       | Use as a Cap |       |       |       | Bulk Pack Qty. |
|-------------|---------|---------------|-------|-------|-------|-------|-------|-------|-------|--------------|-------|-------|-------|----------------|
|             |         | A             |       | B     |       | C     |       | D     |       | E            |       | F     |       |                |
| blue        | red     | in            | mm    | in    | mm    | in    | mm    | in    | mm    | in           | mm    | in    | mm    |                |
| 001A        | —       | 0.180         | 4.57  | 0.115 | 2.92  | 0.313 | 7.94  | 0.406 | 10.32 | 0.051        | 1.30  | 0.118 | 3.00  | 5000           |
| 001-SA      | —       | 0.180         | 4.57  | 0.138 | 3.51  | 0.310 | 7.87  | 0.250 | 6.35  | 0.051        | 1.30  | 0.118 | 3.00  | 5000           |
| 1000A       | —       | 0.205         | 5.21  | 0.145 | 3.68  | 0.410 | 10.41 | 0.410 | 10.41 | 0.079        | 2.01  | 0.150 | 3.81  | 5000           |
| 002A        | 002C    | 0.240         | 6.10  | 0.175 | 4.45  | 0.375 | 9.53  | 0.375 | 9.53  | 0.109        | 2.77  | 0.175 | 4.45  | 5000           |
| 003A        | —       | 0.268         | 6.81  | 0.209 | 5.31  | 0.375 | 9.53  | 0.375 | 9.53  | 0.127        | 3.23  | 0.193 | 4.90  | 5000           |
| 003WA       | —       | 0.274         | 6.95  | 0.200 | 5.08  | 0.594 | 15.08 | 0.375 | 9.53  | 0.150        | 3.81  | 0.220 | 5.58  | 5000           |
| 004A        | 004B    | 0.275         | 6.99  | 0.209 | 5.31  | 0.438 | 11.11 | 0.375 | 9.53  | 0.150        | 3.81  | 0.209 | 5.31  | 5000           |
| 005A        | 005B    | 0.302         | 7.67  | 0.240 | 6.10  | 0.469 | 11.91 | 0.375 | 9.53  | 0.175        | 4.45  | 0.240 | 6.10  | 5000           |
| 006A        | 006B    | 0.335         | 8.51  | 0.265 | 6.73  | 0.469 | 11.91 | 0.375 | 9.53  | 0.204        | 5.18  | 0.275 | 6.99  | 5000           |
| 007A        | 007B    | 0.365         | 9.27  | 0.300 | 7.62  | 0.531 | 13.49 | 0.375 | 9.53  | 0.234        | 5.94  | 0.301 | 7.65  | 5000           |
| 007WA       | —       | 0.365         | 9.27  | 0.300 | 7.62  | 0.680 | 17.27 | 0.375 | 9.53  | 0.234        | 5.94  | 0.301 | 7.65  | 5000           |
| 007SA       | —       | 0.365         | 9.27  | 0.330 | 8.38  | 0.500 | 12.70 | 0.219 | 5.56  | 0.266        | 6.76  | 0.301 | 7.65  | 5000           |
| 008A        | 008C    | 0.398         | 10.11 | 0.330 | 8.38  | 0.563 | 14.29 | 0.375 | 9.53  | 0.275        | 6.99  | 0.330 | 8.38  | 5000           |
| 009A        | 009C    | 0.428         | 10.87 | 0.360 | 9.14  | 0.594 | 15.08 | 0.375 | 9.53  | 0.299        | 7.59  | 0.365 | 9.27  | 5000           |
| 010A        | 010B    | 0.460         | 11.68 | 0.390 | 9.91  | 0.625 | 15.88 | 0.375 | 9.53  | 0.325        | 8.26  | 0.396 | 10.06 | 5000           |
| 011A        | 011B    | 0.485         | 12.32 | 0.420 | 10.67 | 0.594 | 15.08 | 0.375 | 9.53  | 0.356        | 9.04  | 0.421 | 10.69 | 5000           |
| 012A        | 012E    | 0.512         | 13.00 | 0.447 | 11.35 | 0.625 | 15.88 | 0.406 | 10.32 | 0.385        | 9.78  | 0.448 | 11.38 | 5000           |
| 013A        | 013C    | 0.547         | 13.89 | 0.490 | 12.45 | 0.719 | 18.26 | 0.500 | 12.70 | 0.409        | 10.39 | 0.485 | 12.32 | 5000           |
| 013SPA      | —       | 0.545         | 13.84 | 0.478 | 12.14 | 0.719 | 18.26 | 0.313 | 7.94  | 0.410        | 10.41 | 0.480 | 12.19 | 5000           |
| 013WA       | —       | 0.547         | 13.89 | 0.478 | 12.14 | 0.875 | 22.23 | 0.500 | 12.70 | 0.409        | 10.39 | 0.485 | 12.32 | 7000           |
| 014A        | 014C    | 0.568         | 14.43 | 0.500 | 12.70 | 0.750 | 19.05 | 0.438 | 11.11 | 0.435        | 11.05 | 0.503 | 12.78 | 5000           |
| 1015A       | —       | 0.576         | 14.63 | 0.500 | 12.70 | 0.720 | 18.29 | 0.470 | 11.94 | 0.440        | 11.18 | 0.516 | 13.11 | 5000           |
| —           | 015A    | 0.594         | 15.09 | 0.504 | 12.80 | 0.728 | 18.49 | 0.949 | 24.10 | 0.421        | 10.69 | 0.520 | 13.21 | 4000           |
| 016A        | 016D    | 0.620         | 15.75 | 0.531 | 13.49 | 0.750 | 19.05 | 0.500 | 12.70 | 0.468        | 11.89 | 0.555 | 14.10 | 7500           |
| 1020A       | —       | 0.612         | 15.54 | 0.554 | 14.07 | 0.750 | 19.05 | 0.340 | 8.64  | 0.490        | 12.45 | 0.551 | 14.00 | 5000           |
| 017A        | 017D    | 0.634         | 16.10 | 0.550 | 13.97 | 0.781 | 19.84 | 0.500 | 12.70 | 0.485        | 12.32 | 0.568 | 14.43 | 7500           |
| 018A        | 018E    | 0.675         | 17.15 | 0.580 | 14.99 | 0.875 | 22.23 | 0.531 | 13.49 | 0.520        | 13.21 | 0.605 | 15.37 | 5000           |
| 020A        | 020D    | 0.695         | 17.65 | 0.610 | 15.49 | 0.844 | 21.43 | 0.500 | 12.70 | 0.549        | 13.94 | 0.634 | 16.10 | 6000           |
| 021A        | 021B    | 0.728         | 18.49 | 0.641 | 16.28 | 0.875 | 22.23 | 0.500 | 12.70 | 0.575        | 14.61 | 0.665 | 16.89 | 5000           |
| 1025A       | —       | 0.694         | 17.63 | 0.669 | 16.99 | 0.750 | 19.05 | 0.220 | 5.59  | 0.613        | 15.57 | 0.638 | 16.21 | 5000           |
| 022A        | 022C    | 0.754         | 19.15 | 0.675 | 17.15 | 0.875 | 22.23 | 0.625 | 15.88 | 0.615        | 15.62 | 0.690 | 17.53 | 4000           |
| 023A        | 023C    | 0.785         | 19.94 | 0.690 | 17.53 | 0.938 | 23.81 | 0.625 | 15.88 | 0.625        | 15.88 | 0.724 | 18.39 | 4000           |
| 024A        | —       | 0.805         | 20.45 | 0.750 | 19.05 | 0.860 | 21.84 | 0.190 | 4.83  | 0.688        | 17.48 | 0.743 | 18.87 | 7500           |
| 026A        | 026C    | 0.825         | 20.96 | 0.725 | 18.42 | 1.000 | 25.40 | 0.500 | 12.70 | 0.662        | 16.81 | 0.760 | 19.30 | 4000           |
| 026-LA      | —       | 0.825         | 20.96 | 0.725 | 18.42 | 0.970 | 24.64 | 0.590 | 14.99 | 0.662        | 16.81 | 0.760 | 19.30 | 8000           |
| 027A        | 027E    | 0.848         | 21.54 | 0.750 | 19.05 | 1.031 | 26.19 | 0.625 | 15.88 | 0.686        | 17.42 | 0.777 | 19.74 | 7000           |
| —           | 027AA   | 0.882         | 22.40 | 0.768 | 19.50 | 1.039 | 26.40 | 0.787 | 20.00 | 0.701        | 17.80 | 0.823 | 20.90 | 3000           |
| 028A        | 028D    | 0.910         | 23.11 | 0.802 | 20.37 | 1.094 | 27.78 | 0.750 | 19.05 | 0.725        | 18.42 | 0.846 | 21.49 | 5000           |
| 029A        | 029D    | 0.931         | 23.65 | 0.820 | 20.83 | 1.125 | 28.58 | 0.625 | 15.88 | 0.754        | 19.15 | 0.868 | 22.05 | 5500           |
| 030A        | 030C    | 0.973         | 24.71 | 0.856 | 21.74 | 1.125 | 28.58 | 0.750 | 19.05 | 0.768        | 19.51 | 0.906 | 23.01 | 4500           |
| 031A        | 031D    | 0.975         | 24.77 | 0.870 | 22.10 | 1.125 | 28.58 | 0.625 | 15.88 | 0.804        | 20.42 | 0.920 | 23.37 | 5000           |
| 035A        | 035D    | 1.040         | 26.42 | 0.895 | 22.73 | 1.140 | 29.37 | 0.750 | 19.05 | 0.832        | 21.13 | 0.975 | 24.77 | 4500           |
| 038A        | —       | 1.045         | 26.54 | 0.980 | 24.89 | 1.250 | 31.75 | 0.500 | 12.70 | 0.916        | 23.27 | 0.984 | 24.99 | 2500           |
| —           | 039A    | 1.059         | 26.90 | 0.945 | 24.00 | 1.220 | 31.00 | 0.748 | 19.00 | 0.862        | 21.90 | 0.984 | 24.99 | 2000           |
| 040A        | 040B    | 1.096         | 27.83 | 0.966 | 24.54 | 1.250 | 31.75 | 0.750 | 19.05 | 0.902        | 22.91 | 1.038 | 23.36 | 3500           |
| 041A        | 041C    | 1.145         | 29.08 | 1.002 | 25.45 | 1.313 | 33.34 | 0.750 | 19.05 | 0.938        | 23.83 | 1.079 | 27.41 | 3500           |
| —           | 041AA   | 1.161         | 29.50 | 0.969 | 24.60 | 1.339 | 34.00 | 1.134 | 28.80 | 0.886        | 22.50 | 1.083 | 27.50 | 1500           |
| —           | GPT643A | 1.215         | 30.86 | 1.094 | 27.79 | 1.375 | 34.93 | 0.750 | 19.05 | 1.031        | 26.19 | 1.152 | 29.26 | 2000           |
| 042A        | 042D    | 1.225         | 31.12 | 1.110 | 28.19 | 1.516 | 38.50 | 0.750 | 19.05 | 1.038        | 26.37 | 1.180 | 29.97 | 2500           |
| 044A        | 044D    | 1.292         | 32.81 | 1.165 | 29.59 | 1.420 | 36.10 | 0.750 | 19.05 | 1.090        | 27.69 | 1.205 | 30.61 | 2500           |
| 1035A       | —       | 1.310         | 33.27 | 0.840 | 21.34 | 1.430 | 36.32 | 1.090 | 27.69 | 0.777        | 19.74 | 1.247 | 31.67 | 2500           |
| 1040A       | —       | 1.284         | 32.61 | 1.175 | 29.85 | 1.670 | 42.42 | 0.750 | 19.10 | 1.113        | 28.27 | 1.222 | 31.04 | 2000           |
| 1050A       | —       | 1.312         | 33.32 | 1.276 | 32.41 | 1.380 | 35.05 | 0.560 | 14.22 | 1.155        | 29.34 | 1.190 | 30.23 | 2000           |
| 045A        | 045D    | 1.355         | 34.42 | 1.225 | 31.12 | 1.500 | 38.10 | 0.750 | 19.05 | 1.160        | 29.46 | 1.295 | 32.89 | 2500           |
| 046A        | 046B    | 1.350         | 34.29 | 1.235 | 31.37 | 1.500 | 38.10 | 0.750 | 19.05 | 1.140        | 28.96 | 1.295 | 32.89 | 2500           |
| 047A        | —       | 1.362         | 34.59 | 1.291 | 32.79 | 1.500 | 38.10 | 0.750 | 19.05 | 1.227        | 31.17 | 1.300 | 33.02 | 2000           |
| 1055A       | —       | 1.420         | 36.07 | 1.140 | 28.96 | 1.560 | 39.62 | 0.840 | 21.34 | 1.085        | 27.56 | 1.358 | 34.49 | 2500           |
| 048A        | 048D    | 1.455         | 36.96 | 1.291 | 32.79 | 1.625 | 41.28 | 1.000 | 25.40 | 1.227        | 31.17 | 1.391 | 35.33 | 1500           |
| 049A        | 049B    | 1.470         | 37.34 | 1.311 | 33.30 | 1.625 | 41.28 | 0.750 | 19.05 | 1.249        | 31.72 | 1.400 | 35.56 | 2000           |
| 051A        | 051E    | 1.517         | 38.53 | 1.344 | 34.14 | 1.750 | 44.45 | 0.938 | 23.81 | 1.282        | 32.56 | 1.460 | 36.83 | 1500           |
| —           | 052A    | 1.583         | 40.21 | 1.413 | 35.89 | 1.736 | 44.09 | 1.004 | 25.50 | 1.307        | 33.20 | 1.476 | 37.49 | 1000           |
| 053A        | 053C    | 1.600         | 40.64 | 1.450 | 36.83 | 1.750 | 44.45 | 0.750 | 19.05 | 1.385        | 35.18 | 1.535 | 38.99 | 2000           |
| 054A        | 054D    | 1.602         | 40.69 | 1.520 | 38.61 | 1.780 | 45.21 | 0.750 | 19.05 | 1.456        | 36.98 | 1.537 | 39.04 | 1700           |
| K5A         | —       | 1.525         | 38.74 | 1.525 | 38.74 | 1.713 | 43.51 | 0.500 | 12.70 | 1.445        | 36.70 | 1.445 | 36.70 | 2500           |
| 055A        | 055E    | 1.673         | 42.49 | 1.560 | 39.62 | 1.875 | 47.63 | 0.750 | 19.05 | 1.497        | 38.02 | 1.620 | 41.15 | 1500           |
| 056A        | 056C    | 1.750         | 44.45 | 1.606 | 40.79 | 1.938 | 49.21 | 0.750 | 19.05 | 1.568        | 39.83 | 1.685 | 42.80 | 1500           |
| 1065A       | —       | 1.850         | 46.99 | 1.720 | 43.69 | 2.030 | 51.56 | 0.750 | 19.05 | 1.664        | 42.27 | 1.794 | 45.57 | 3500           |
| 057A        | 057C    | 1.870         | 47.50 | 1.735 | 44.07 | 2.031 | 51.60 | 0.750 | 19.05 | 1.675        | 42.55 | 1.820 | 46.23 | 1200           |

Numbered Series Tapered Caps (continued)



See inside back cover for Application Wizards.

**To Assure Proper Fit:**

**Plugs**

Plug dimension "A" should be approx. 1% larger than the inner diameter of the part.  
Minimum of .020"

**Caps**

Cap dimension "E" should be approx. 1% smaller than the outside diameter of the part.  
Minimum of .020"

| Part Number |         | Use as a Plug |        |        |        | Use as a Cap |        |       |       | Bulk Pack Qty. |        |        |        |
|-------------|---------|---------------|--------|--------|--------|--------------|--------|-------|-------|----------------|--------|--------|--------|
|             |         | A             |        | B      |        | C            |        | D     |       | E              |        | F      |        |
|             |         | in            | mm     | in     | mm     | in           | mm     | in    | mm    | in             | mm     | in     | mm     |
| 1070A       | —       | 1.900         | 48.26  | 1.440  | 36.58  | 2.060        | 52.32  | 1.310 | 33.27 | 1.378          | 35.00  | 1.833  | 46.56  |
| —           | 057AB   | 1.913         | 48.60  | 1.709  | 43.41  | 2.102        | 53.40  | 1.004 | 25.50 | 1.622          | 41.20  | 1.850  | 46.99  |
| 058A        | 058B    | 1.958         | 49.73  | 1.806  | 45.87  | 2.125        | 53.98  | 1.000 | 25.40 | 1.745          | 44.32  | 1.893  | 48.08  |
| 059A        | 059B    | 1.825         | 46.36  | 1.800  | 45.72  | 2.031        | 51.59  | 0.500 | 12.70 | 1.736          | 44.09  | 1.760  | 44.70  |
| 1075A       | —       | 1.975         | 50.17  | 1.865  | 47.37  | 2.380        | 60.45  | 0.670 | 17.02 | 1.785          | 45.34  | 1.895  | 48.13  |
| 060A        | 060B    | 2.020         | 51.31  | 1.846  | 46.89  | 2.125        | 53.98  | 1.000 | 25.40 | 1.785          | 45.34  | 1.938  | 49.23  |
| 061A        | —       | 2.160         | 54.86  | 1.740  | 44.20  | 2.310        | 58.67  | 1.210 | 30.73 | 1.668          | 42.37  | 2.093  | 53.16  |
| 1080A       | —       | 2.065         | 52.45  | 1.950  | 49.53  | 2.200        | 55.88  | 0.750 | 19.05 | 1.885          | 47.88  | 2.000  | 50.80  |
| 062A        | 062B    | 2.085         | 52.96  | 1.902  | 48.31  | 2.250        | 57.15  | 1.000 | 25.40 | 1.839          | 46.71  | 2.015  | 51.18  |
| 063A        | 063C    | 2.168         | 55.07  | 1.980  | 50.29  | 2.250        | 57.15  | 1.000 | 25.40 | 1.915          | 48.64  | 2.110  | 53.59  |
| 064A        | —       | 2.310         | 58.67  | 1.940  | 49.28  | 2.470        | 62.74  | 0.880 | 22.35 | 1.875          | 47.63  | 2.255  | 57.28  |
| 1085A       | —       | 2.100         | 53.34  | 2.020  | 51.31  | 2.590        | 65.79  | 0.380 | 9.65  | 2.060          | 52.32  | 2.140  | 54.36  |
| 065A        | 065B    | 2.146         | 54.51  | 2.016  | 51.21  | 2.313        | 58.74  | 0.750 | 19.05 | 1.955          | 49.66  | 2.083  | 52.91  |
| 066A        | —       | 2.253         | 57.23  | 2.062  | 52.37  | 2.438        | 61.91  | 1.031 | 26.20 | 2.000          | 50.80  | 2.175  | 55.25  |
| 067A        | 067B    | 2.355         | 59.82  | 2.156  | 54.76  | 2.625        | 66.68  | 1.000 | 25.40 | 2.084          | 52.93  | 2.288  | 58.12  |
| 068A        | 068C    | 2.279         | 57.90  | 2.224  | 56.50  | 2.500        | 63.50  | 0.500 | 12.70 | 2.150          | 54.60  | 2.221  | 56.41  |
| 069A        | —       | 2.400         | 60.96  | 2.280  | 57.91  | 2.800        | 71.12  | 0.750 | 19.05 | 2.216          | 56.29  | 2.336  | 59.33  |
| 070A        | 070B    | 2.425         | 61.60  | 2.128  | 54.05  | 2.500        | 63.50  | 1.000 | 25.40 | 2.045          | 51.94  | 2.370  | 60.20  |
| 071A        | 071C    | 2.485         | 63.12  | 2.300  | 58.42  | 2.625        | 66.68  | 1.000 | 25.40 | 2.235          | 56.77  | 2.400  | 60.96  |
| 072A        | —       | 2.464         | 62.59  | 2.300  | 58.42  | 2.660        | 67.56  | 0.750 | 19.05 | 2.220          | 56.39  | 2.383  | 60.53  |
| 073A        | 073E    | 2.605         | 66.17  | 2.395  | 60.83  | 2.625        | 66.68  | 1.000 | 25.40 | 2.331          | 59.21  | 2.541  | 64.54  |
| 074A        | —       | 2.645         | 67.18  | 2.428  | 61.67  | 2.750        | 69.85  | 0.750 | 19.05 | 2.420          | 61.47  | 2.580  | 65.53  |
| 075A        | —       | 2.650         | 67.31  | 2.311  | 58.70  | 2.750        | 69.85  | 1.000 | 25.40 | 2.245          | 57.02  | 2.585  | 65.66  |
| 076A        | 076C    | 2.750         | 69.85  | 2.457  | 62.41  | 2.875        | 73.03  | 1.000 | 25.40 | 2.392          | 60.76  | 2.685  | 68.20  |
| 077A        | 077B    | 2.690         | 68.33  | 2.560  | 65.02  | 2.875        | 73.03  | 0.750 | 19.05 | 2.500          | 63.50  | 2.625  | 66.68  |
| 078A        | 078C    | 2.805         | 71.25  | 2.645  | 67.18  | 3.000        | 76.20  | 0.500 | 12.70 | 2.580          | 65.53  | 2.725  | 69.22  |
| 080A        | —       | 2.870         | 72.90  | 2.706  | 68.73  | 3.060        | 77.72  | 0.720 | 18.29 | 2.625          | 66.68  | 2.789  | 70.84  |
| 081A        | 081B    | 3.000         | 76.20  | 2.720  | 69.09  | 3.125        | 79.38  | 1.000 | 25.40 | 2.626          | 66.70  | 2.950  | 74.93  |
| 082A        | 082C    | 2.980         | 75.69  | 2.850  | 72.39  | 3.250        | 82.55  | 0.750 | 19.05 | 2.785          | 70.74  | 2.920  | 74.17  |
| 083A        | 083B    | 3.158         | 80.21  | 2.995  | 76.07  | 3.375        | 85.73  | 0.500 | 12.70 | 2.915          | 74.04  | 3.098  | 78.69  |
| —           | GPT684A | 3.200         | 81.28  | 3.030  | 76.96  | 3.594        | 91.28  | 0.810 | 20.57 | 2.880          | 73.15  | 3.070  | 77.98  |
| 085A        | 085C    | 3.245         | 82.42  | 2.980  | 75.69  | 3.375        | 85.73  | 1.000 | 25.40 | 2.900          | 73.66  | 3.165  | 80.39  |
| 086A        | 086D    | 3.365         | 85.47  | 3.090  | 78.49  | 3.500        | 88.90  | 1.000 | 25.40 | 3.005          | 76.33  | 3.285  | 83.44  |
| 087A        | 087B    | 3.450         | 87.63  | 3.319  | 84.30  | 3.625        | 92.08  | 0.500 | 12.70 | 3.239          | 82.27  | 3.371  | 85.62  |
| 088A        | 088B    | 3.575         | 90.81  | 3.236  | 82.19  | 3.938        | 100.01 | 1.000 | 25.40 | 3.156          | 80.16  | 3.494  | 88.75  |
| —           | GPT689A | 3.585         | 91.06  | 3.455  | 87.76  | 3.938        | 100.01 | 0.750 | 19.05 | 3.365          | 85.47  | 3.520  | 89.41  |
| 089A        | 089C    | 3.600         | 91.44  | 3.465  | 88.01  | 3.875        | 98.43  | 0.812 | 20.62 | 3.405          | 86.49  | 3.540  | 89.32  |
| K851A       | —       | 3.750         | 95.25  | 3.552  | 90.22  | 4.000        | 101.60 | 1.000 | 25.40 | 3.478          | 88.34  | 3.676  | 93.37  |
| 090A        | 090C    | 3.800         | 96.52  | 3.675  | 93.35  | 4.000        | 101.60 | 0.750 | 19.05 | 3.605          | 91.57  | 3.730  | 94.74  |
| —           | GPT691A | 3.900         | 99.06  | 3.800  | 96.52  | 4.500        | 114.30 | 0.438 | 11.11 | 3.600          | 91.44  | 3.700  | 93.98  |
| 091A        | —       | 3.925         | 99.70  | 3.800  | 96.52  | 4.125        | 104.78 | 0.688 | 17.46 | 3.715          | 94.36  | 3.845  | 97.66  |
| 092A        | 092C    | 4.070         | 103.38 | 3.915  | 99.45  | 4.375        | 111.13 | 0.781 | 19.84 | 3.810          | 96.77  | 3.980  | 101.09 |
| 093A        | 093B    | 4.190         | 106.43 | 4.030  | 102.36 | 4.500        | 114.30 | 0.750 | 19.05 | 3.950          | 100.33 | 4.110  | 104.59 |
| —           | GPT690A | 4.331         | 110.01 | 4.050  | 102.87 | 4.625        | 117.48 | 1.250 | 31.75 | 3.970          | 100.84 | 4.230  | 107.44 |
| —           | GPT692A | 4.430         | 112.52 | 4.270  | 108.46 | 4.875        | 123.83 | 0.875 | 22.23 | 4.180          | 106.17 | 4.340  | 110.24 |
| 094A        | 094B    | 4.445         | 112.90 | 4.215  | 107.06 | 4.875        | 123.83 | 1.000 | 25.40 | 4.135          | 105.03 | 4.380  | 111.25 |
| 095A        | 095C    | 4.605         | 116.97 | 4.365  | 110.87 | 5.000        | 127.00 | 1.000 | 25.40 | 4.289          | 108.95 | 4.500  | 114.30 |
| 096A        | 096B    | 4.850         | 123.19 | 4.640  | 117.86 | 5.250        | 133.35 | 0.910 | 23.11 | 4.570          | 116.08 | 4.780  | 121.41 |
| 1090A       | —       | 4.970         | 126.24 | 4.790  | 121.67 | 5.380        | 136.65 | 1.030 | 26.16 | 4.710          | 119.63 | 4.890  | 124.21 |
| —           | 097A    | 5.039         | 128.00 | 4.882  | 124.00 | 5.276        | 134.00 | 0.965 | 24.50 | 4.764          | 121.00 | 4.921  | 125.00 |
| —           | GPT694A | 5.071         | 128.80 | 4.986  | 126.64 | 5.188        | 131.76 | 0.500 | 12.70 | 4.854          | 123.29 | 4.978  | 126.44 |
| 1100A       | 1100B   | 5.090         | 129.29 | 4.910  | 124.71 | 5.500        | 139.70 | 1.030 | 26.16 | 4.850          | 122.68 | 5.010  | 127.25 |
| 1110A       | —       | 5.200         | 132.08 | 4.990  | 126.75 | 5.630        | 143.00 | 1.030 | 26.16 | 4.920          | 124.97 | 5.100  | 129.54 |
| —           | 098A    | 5.319         | 135.00 | 5.071  | 128.80 | 5.492        | 139.50 | 1.496 | 38.00 | 4.882          | 124.00 | 5.197  | 132.00 |
| 099A        | —       | 5.360         | 136.14 | 5.180  | 131.57 | 5.880        | 149.35 | 1.030 | 26.16 | 5.110          | 129.79 | 5.290  | 134.37 |
| 100A        | 100B    | 5.490         | 139.45 | 5.330  | 135.38 | 5.880        | 149.35 | 0.910 | 23.11 | 5.210          | 132.33 | 5.370  | 136.40 |
| 101A        | 101B    | 5.620         | 142.75 | 5.470  | 138.94 | 6.130        | 155.70 | 1.000 | 25.40 | 5.390          | 136.91 | 5.540  | 140.72 |
| 102A        | 102B    | 5.750         | 146.05 | 5.570  | 141.48 | 6.190        | 157.23 | 1.030 | 26.16 | 5.490          | 139.45 | 5.670  | 144.02 |
| 103A        | 103B    | 5.874         | 149.20 | 5.640  | 143.26 | 6.250        | 158.80 | 1.000 | 25.40 | 5.540          | 140.72 | 5.794  | 147.17 |
| K1249A      | —       | 5.906         | 150.01 | 5.551  | 141.00 | 6.460        | 164.08 | 1.000 | 25.40 | 5.433          | 138.00 | 5.827  | 148.01 |
| —           | 103AA   | 6.008         | 152.60 | 5.779  | 146.80 | 6.280        | 159.50 | 1.378 | 35.00 | 5.622          | 142.80 | 5.850  | 148.60 |
| 104A        | 104C    | 6.180         | 156.97 | 6.010  | 152.65 | 6.620        | 168.15 | 1.000 | 25.40 | 5.920          | 150.37 | 6.100  | 154.94 |
| —           | K1274A  | 6.357         | 161.47 | 6.050  | 153.67 | 7.043        | 178.89 | 1.165 | 29.69 | 5.984          | 152.00 | 6.299  | 160.00 |
| 106A        | 106B    | 6.560         | 166.62 | 6.400  | 162.56 | 6.940        | 176.28 | 0.900 | 22.86 | 6.330          | 160.78 | 6.480  | 164.59 |
| 108A        | 108B    | 6.710         | 170.43 | 6.610  | 167.89 | 7.190        | 182.63 | 1.530 | 38.86 | 6.530          | 165.86 | 6.630  | 168.40 |
| K436A       | —       | 7.030         | 178.56 | 6.880  | 174.75 | 7.670        | 194.82 | 0.530 | 13.46 | 6.800          | 172.72 | 6.950  | 176.53 |
| 110A        | 110B    | 7.120         | 180.85 | 7.050  | 179.07 | 7.630        | 193.80 | 1.030 | 26.16 | 6.970          | 177.04 | 7.040  | 178.82 |
| 112A        | —       | 7.650         | 194.31 | 7.340  | 186.44 | 7.940        | 201.68 | 1.030 | 26.16 | 7.260          | 184.40 | 7.560  | 192.02 |
| 114A        | —       | 7.840         | 199.14 | 7.660  | 194.56 | 8.120        | 206.25 | 1.031 | 26.19 | 7.580          | 192.53 | 7.760  | 197.10 |
| 116A        | 116B    | 8.140         | 206.76 | 7.970  | 202.44 | 8.380        | 212.85 | 1.031 | 26.19 | 7.880          | 200.15 | 8.050  | 204.47 |
| 118A        | —       | 8.350         | 212.09 | 8.150  | 207.01 | 8.750        | 222.25 | 1.406 | 35.71 | 8.050          | 204.47 | 8.250  | 209.55 |
| 120A        | 120B    | 8.600         | 218.44 | 8.400  | 213.36 | 9.000        | 228.60 | 1.406 | 35.71 | 8.300          | 210.82 | 8.500  | 215.90 |
| 124A        | —       | 8.730         | 221.74 | 8.670  | 220.22 | 9.130        | 231.90 | 1.531 | 38.89 | 8.550          | 217.17 | 8.625  | 219.08 |
| —           | K1275A  | 8.803         | 223.60 | 8.505  | 216.03 | 9.508        | 241.50 | 1.145 | 29.08 | 8.386          | 213.00 | 8.780  | 223.01 |
| 126A        | —       | 9.360         | 237.74 | 9.060  | 230.12 | 9.860        | 250.44 | 1.781 | 45.24 | 8.890          | 225.81 | 9.240  | 234.70 |
| 128A        | 128B    | 10.130        | 257.30 | 9.950  | 252.73 | 10.500       | 266.70 | 1.031 | 26.19 | 9.730          | 247.14 | 9.910  | 251.71 |
| 130A        | 130B    | 11.100        | 281.94 | 10.790 | 274.07 | 11.600       | 294.64 | 1.781 | 45.24 | 10.550         | 267.97 | 10.910 | 277.11 |
| 132A        | —       | 11.460        | 291.08 | 11.110 | 282.19 | 11.960       | 303.78 | 2.031 | 51.59 | 10.780         | 273.81 | 11.270 | 286.26 |
| 133A        | —       | 12.560        | 319.02 | 11.930 | 303.02 | 13.050       | 331.47 | 2.031 | 51.59 | 11.700         | 297.18 | 12.350 | 313.69 |
| 134A        | —       | 13.140        | 333.76 | 12.790 | 324.87 | 13.640       | 346.46 | 2.031 | 51.59 | 12.530         | 318.26 | 12.920 | 328.17 |

DM and DMS Series Round Vinyl End Caps

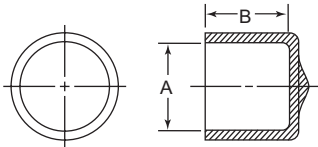
Specifications

- Material: Vinyl (PVC)
- Color: DM - Black - 75 Durometer
- Color: DMS - Bright Red - 63 Durometer
- Temperature Range: Up to 350°F (177°C)

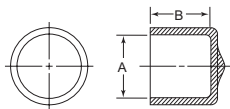
Features

- Flexible material can stretch onto larger dimensions for a snug fit without tearing, splitting or shredding
- Typically used to protect threaded or non-threaded tubing, rods, pipe or paper tubes
- Glossy and attractive finish makes this part ideal for use as a decorative end cap
- Bright-red colored parts are highly visible

See inside back cover for Application Wizards.



| A = To Fit |       | Part Number     |               |                   | Color | Bulk Pack Qty. |      |        |
|------------|-------|-----------------|---------------|-------------------|-------|----------------|------|--------|
|            |       | B Length        |               |                   |       | 1/2"           | 1"   | 1-1/2" |
| in         | mm    | 1/2" (12.70 mm) | 1" (25.40 mm) | 1-1/2" (38.10 mm) |       |                |      |        |
| 0.078      | 1.98  | DM0080-1/2A     | DM0080-1A     | —                 | Black | 5000           | 5000 | —      |
| 0.094      | 2.38  | DM0093-1/2A     | DM0093-1A     | —                 | Black | 5000           | 5000 | —      |
| 0.109      | 2.78  | DM0110-1/2A     | DM0110-1A     | —                 | Black | 5000           | 5000 | —      |
| 0.125      | 3.18  | DM0125-1/2A     | DM0125-1A     | —                 | Black | 5000           | 5000 | —      |
| 0.125      | 3.18  | —               | DMS0125-1A    | —                 | Red   | —              | 5000 | —      |
| 0.141      | 3.57  | DM0140-1/2A     | DM0140-1A     | DM0140-1-1/2A     | Black | 5000           | 5000 | 5000   |
| 0.141      | 3.57  | —               | DMS0140-1A    | —                 | Red   | —              | 5000 | —      |
| 0.148      | 3.76  | DM0148-1/2A     | DM0148-1A     | DM0148-1-1/2A     | Black | 5000           | 5000 | 5000   |
| 0.156      | 3.97  | DM0156-1/2A     | DM0156-1A     | DM0156-1-1/2A     | Black | 5000           | 5000 | 5000   |
| 0.172      | 4.37  | DM0172-1/2A     | DM0172-1A     | DM0172-1-1/2A     | Black | 5000           | 5000 | 5000   |
| 0.172      | 4.37  | —               | DMS0172-1A    | —                 | Red   | —              | 5000 | —      |
| 0.180      | 4.57  | DM0180-1/2A     | DM0180-1A     | DM0180-1-1/2A     | Black | 5000           | 5000 | 5000   |
| 0.187      | 4.75  | DM0187-1/2A     | DM0187-1A     | DM0187-1-1/2A     | Black | 5000           | 5000 | 5000   |
| 0.187      | 4.75  | —               | DMS0187-1A    | —                 | Red   | —              | 5000 | —      |
| 0.203      | 5.16  | DM0203-1/2A     | DM0203-1A     | DM0203-1-1/2A     | Black | 5000           | 5000 | 5000   |
| 0.203      | 5.16  | —               | DMS0203-1A    | —                 | Red   | —              | 5000 | —      |
| 0.207      | 5.26  | DM0207-1/2A     | DM0207-1A     | DM0207-1-1/2A     | Black | 5000           | 5000 | 5000   |
| 0.218      | 5.54  | DM0218-1/2A     | DM0218-1A     | DM0218-1-1/2A     | Black | 5000           | 5000 | 5000   |
| 0.224      | 5.69  | DM0224-1/2A     | DM0224-1A     | DM0224-1-1/2A     | Black | 5000           | 5000 | 5000   |
| 0.230      | 5.84  | DM0230-1/2A     | DM0230-1A     | DM0230-1-1/2A     | Black | 5000           | 7500 | 5000   |
| 0.234      | 5.95  | DM0234-1/2A     | DM0234-1A     | DM0234-1-1/2A     | Black | 5000           | 5000 | 3000   |
| 0.234      | 5.95  | —               | DMS0234-1A    | —                 | Red   | —              | 5000 | —      |
| 0.240      | 6.10  | DM0240-1/2A     | DM0240-1A     | DM0240-1-1/2A     | Black | 5000           | 5000 | 5000   |
| 0.250      | 6.35  | DM0250-1/2A     | DM0250-1A     | DM0250-1-1/2A     | Black | 5000           | 5000 | 5000   |
| 0.250      | 6.35  | DMS0250-1/2A    | DMS0250-1A    | —                 | Red   | 5000           | 5000 | —      |
| 0.281      | 7.14  | DM0281-1/2A     | DM0281-1A     | DM0281-1-1/2A     | Black | 5000           | 5000 | 5000   |
| 0.281      | 7.14  | DMS0281-1/2A    | DMS0281-1A    | —                 | Red   | 5000           | 5000 | —      |
| 0.290      | 7.37  | DM0290-1/2A     | DM0290-1A     | DM0290-1-1/2A     | Black | 5000           | 5000 | 5000   |
| 0.304      | 7.72  | DM0304-1/2A     | DM0304-1A     | DM0304-1-1/2A     | Black | 5000           | 5000 | 2500   |
| 0.313      | 7.94  | DM0313-1/2A     | DM0313-1A     | DM0313-1-1/2A     | Black | 5000           | 5000 | 4000   |
| 0.313      | 7.94  | DMS0313-1/2A    | DMS0313-1A    | —                 | Red   | 5000           | 5000 | —      |
| 0.343      | 8.71  | DM0343-1/2A     | DM0343-1A     | DM0343-1-1/2A     | Black | 5000           | 5000 | 4000   |
| 0.343      | 8.71  | —               | DMS0343-1A    | —                 | Red   | —              | 5000 | —      |
| 0.360      | 9.14  | DM0360-1/2A     | DM0360-1A     | DM0360-1-1/2A     | Black | 5000           | 5000 | 2500   |
| 0.375      | 9.53  | DM0375-1/2A     | DM0375-1A     | DM0375-1-1/2A     | Black | 5000           | 5000 | 2500   |
| 0.375      | 9.53  | DMS0375-1/2A    | DMS0375-1A    | —                 | Red   | 5000           | 5000 | —      |
| 0.406      | 10.32 | DM0406-1/2A     | DM0406-1A     | DM0406-1-1/2A     | Black | 5000           | 5000 | 5000   |
| 0.420      | 10.66 | DM0420-1/2A     | DM0420-1A     | DM0420-1-1/2A     | Black | 5000           | 5000 | 5000   |
| 0.437      | 11.10 | DM0437-1/2A     | DM0437-1A     | DM0437-1-1/2A     | Black | 5000           | 5000 | 4000   |
| 0.437      | 11.10 | DMS0437-1/2A    | DMS0437-1A    | DMS0437-1-1/2A    | Red   | 5000           | 5000 | 4000   |
| 0.460      | 11.68 | DM0460-1/2A     | DM0460-1A     | DM0460-1-1/2A     | Black | 5000           | 3000 | 1500   |
| 0.470      | 11.94 | DM0470-1/2A     | DM0470-1A     | DM0470-1-1/2A     | Black | 5000           | 5000 | 3000   |
| 0.470      | 11.94 | —               | DMS0470-1A    | —                 | Red   | —              | 5000 | —      |
| 0.490      | 12.45 | DM0490-1/2A     | DM0490-1A     | DM0490-1-1/2A     | Black | 5000           | 3000 | 1500   |
| 0.500      | 12.70 | DM0500-1/2A     | DM0500-1A     | DM0500-1-1/2A     | Black | 5000           | 5000 | 2500   |
| 0.500      | 12.70 | DMS0500-1/2A    | DMS0500-1A    | DMS0500-1-1/2A    | Red   | 5000           | 5000 | 2500   |
| 0.523      | 13.28 | DM0523-1/2A     | DM0523-1A     | DM0523-1-1/2A     | Black | 5000           | 2500 | 2500   |
| 0.531      | 13.49 | DM0531-1/2A     | DM0531-1A     | DM0531-1-1/2A     | Black | 5000           | 5000 | 2500   |
| 0.531      | 13.49 | —               | DMS0531-1A    | —                 | Red   | —              | 5000 | —      |
| 0.544      | 13.82 | DM0544-1/2A     | DM0544-1A     | DM0544-1-1/2A     | Black | 5000           | 5000 | 2500   |
| 0.544      | 13.82 | —               | DMS0544-1A    | —                 | Red   | —              | 5000 | —      |
| 0.562      | 14.27 | DM0562-1/2A     | DM0562-1A     | DM0562-1-1/2A     | Black | 5000           | 2500 | 3000   |
| 0.562      | 14.27 | DMS0562-1/2A    | DMS0562-1A    | DM0562-1-1/2A     | Red   | 5000           | 2500 | 3000   |
| 0.587      | 14.90 | DM0587-1/2A     | DM0587-1A     | DM0587-1-1/2A     | Black | 5000           | 2500 | 1200   |
| 0.600      | 15.24 | DM0600-1/2A     | DM0600-1A     | DM0600-1-1/2A     | Black | 5000           | 2000 | 1200   |
| 0.625      | 15.88 | DM0625-1/2A     | DM0625-1A     | DM0625-1-1/2A     | Black | 5000           | 2500 | 1250   |
| 0.625      | 15.88 | DMS0625-1/2A    | DMS0625-1A    | DMS0625-1-1/2A    | Red   | 5000           | 2500 | 1250   |
| 0.640      | 16.26 | DM0640-1/2A     | DM0640-1A     | DM0640-1-1/2A     | Black | 5000           | 5000 | 2500   |
| 0.665      | 16.89 | DM0665-1/2A     | DM0665-1A     | DM0665-1-1/2A     | Black | 5000           | 2500 | 2500   |
| 0.687      | 17.45 | DM0687-1/2A     | DM0687-1A     | DM0687-1-1/2A     | Black | 5000           | 2500 | 1500   |
| 0.687      | 17.45 | DMS0687-1/2A    | DMS0687-1A    | DMS0687-1-1/2A    | Red   | 5000           | 2500 | 1500   |
| 0.725      | 18.42 | DM0725-1/2A     | DM0725-1A     | DM0725-1-1/2A     | Black | 5000           | 2500 | 1000   |
| 0.750      | 19.05 | DM0750-1/2A     | DM0750-1A     | DM0750-1-1/2A     | Black | 5000           | 2500 | 500    |
| 0.750      | 19.05 | DMS0750-1/2A    | DMS0750-1A    | DMS0750-1-1/2A    | Red   | 5000           | 2500 | 500    |
| 0.812      | 20.62 | DM0812-1/2A     | DM0812-1A     | DM0812-1-1/2A     | Black | 2500           | 2500 | 1000   |
| 0.812      | 20.62 | DMS0812-1/2A    | DMS0812-1A    | DMS0812-1-1/2A    | Red   | 2500           | 2500 | 1000   |
| 0.843      | 21.41 | DM0843-1/2A     | DM0843-1A     | DM0843-1-1/2A     | Black | 5000           | 2500 | 1200   |
| 0.843      | 21.41 | —               | DMS0843-1A    | —                 | Red   | —              | 2500 | —      |



DM and DMS Series  
Round Vinyl End Caps (continued)

See inside back cover for Application Wizards.

| A = To Fit |        | Part Number     |               |                   | Color | Bulk Pack Qty. |      |        |
|------------|--------|-----------------|---------------|-------------------|-------|----------------|------|--------|
|            |        | B Length        |               |                   |       | 1/2"           | 1"   | 1-1/2" |
| in         | mm     | 1/2" (12.70 mm) | 1" (25.40 mm) | 1-1/2" (38.10 mm) |       |                |      |        |
| 0.875      | 22.23  | DM0875-1/2A     | DM0875-1A     | DM0875-1-1/2A     | Black | 5000           | 2500 | 1250   |
| 0.875      | 22.23  | DMS0875-1/2A    | DMS0875-1A    | DMS0875-1-1/2A    | Red   | 5000           | 2500 | 1250   |
| 0.937      | 23.80  | DM0937-1/2A     | DM0937-1A     | DM0937-1-1/2A     | Black | 2500           | 2500 | 1000   |
| 0.937      | 23.80  | —               | DMS0937-1A    | —                 | Red   | —              | 2500 | —      |
| 0.985      | 25.02  | DM0985-1/2A     | DM0985-1A     | DM0985-1-1/2A     | Black | 2500           | 1500 | 1250   |
| 1.000      | 25.40  | DM1000-1/2A     | DM1000-1A     | DM1000-1-1/2A     | Black | 2500           | 2000 | 1250   |
| 1.000      | 25.40  | DMS1000-1/2A    | DMS1000-1A    | DMS1000-1-1/2A    | Red   | 2500           | 2000 | 1250   |
| 1.062      | 26.97  | DM1062-1/2A     | DM1062-1A     | DM1062-1-1/2A     | Black | 3000           | 1500 | 1250   |
| 1.062      | 26.97  | —               | DMS1062-1A    | —                 | Red   | —              | 1500 | —      |
| 1.090      | 27.69  | DM1090-1/2A     | DM1090-1A     | DM1090-1-1/2A     | Black | 2000           | 1000 | 500    |
| 1.125      | 28.58  | DM1125-1/2A     | DM1125-1A     | DM1125-1-1/2A     | Black | 1000           | 1000 | 500    |
| 1.125      | 28.58  | DMS1125-1/2A    | DMS1125-1A    | DMS1125-1-1/2A    | Red   | 1000           | 1000 | 500    |
| 1.187      | 30.15  | DM1187-1/2A     | DM1187-1A     | DM1187-1-1/2A     | Black | 2500           | 1000 | 1000   |
| 1.187      | 30.15  | —               | DMS1187-1A    | —                 | Red   | —              | 1000 | —      |
| 1.250      | 31.75  | DM1250-1/2A     | DM1250-1A     | DM1250-1-1/2A     | Black | 2500           | 1000 | 700    |
| 1.250      | 31.75  | DMS1250-1/2A    | DMS1250-1A    | DMS1250-1-1/2A    | Red   | 2500           | 1000 | 700    |
| 1.312      | 33.32  | DM1312-1/2A     | DM1312-1A     | DM1312-1-1/2A     | Black | 2000           | 1000 | 500    |
| 1.375      | 34.93  | DM1375-1/2A     | DM1375-1A     | DM1375-1-1/2A     | Black | 2000           | 1000 | 650    |
| 1.375      | 34.93  | —               | DMS1375-1A    | —                 | Red   | —              | 1000 | —      |
| 1.437      | 36.50  | DM1437-1/2A     | DM1437-1A     | DM1437-1-1/2A     | Black | 1000           | 1000 | 600    |
| 1.500      | 38.10  | DM1500-1/2A     | DM1500-1A     | DM1500-1-1/2A     | Black | 1000           | 1000 | 600    |
| 1.500      | 38.10  | DMS1500-1/2A    | DMS1500-1A    | DMS1500-1-1/2A    | Red   | 1000           | 1000 | 600    |
| 1.593      | 40.46  | DM1593-1/2A     | DM1593-1A     | DM1593-1-1/2A     | Black | 1700           | 1000 | 500    |
| 1.625      | 41.28  | DM1625-1/2A     | DM1625-1A     | DM1625-1-1/2A     | Black | 500            | 750  | 500    |
| 1.625      | 41.28  | —               | DMS1625-1A    | DMS1625-1-1/2A    | Red   | —              | 750  | 500    |
| 1.687      | 42.85  | DM1687-1/2A     | DM1687-1A     | DM1687-1-1/2A     | Black | 1000           | 500  | 400    |
| 1.687      | 42.85  | —               | DMS1687-1A    | —                 | Red   | —              | 500  | —      |
| 1.750      | 44.45  | DM1750-1/2A     | DM1750-1A     | DM1750-1-1/2A     | Black | 1000           | 500  | 500    |
| 1.750      | 44.45  | —               | DMS1750-1A    | DMS1750-1-1/2A    | Red   | —              | 500  | 500    |
| 1.812      | 46.02  | DM1812-1/2A     | DM1812-1A     | DM1812-1-1/2A     | Black | 1000           | 500  | 400    |
| 1.875      | 47.63  | DM1875-1/2A     | DM1875-1A     | DM1875-1-1/2A     | Black | 700            | 625  | 400    |
| 1.875      | 47.63  | —               | DMS1875-1A    | —                 | Red   | —              | 625  | —      |
| 1.937      | 49.19  | DM1937-1/2A     | DM1937-1A     | DM1937-1-1/2A     | Black | 1000           | 550  | 400    |
| 2.000      | 50.80  | DM2000-1/2A     | DM2000-1A     | DM2000-1-1/2A     | Black | 1000           | 550  | 400    |
| 2.000      | 50.80  | DMS2000-1/2A    | DMS2000-1A    | DMS2000-1-1/2A    | Red   | 1000           | 550  | 400    |
| 2.125      | 53.98  | DM2125-1/2A     | DM2125-1A     | DM2125-1-1/2A     | Black | 500            | 400  | 300    |
| 2.125      | 53.98  | —               | DMS2125-1A    | —                 | Red   | —              | 400  | —      |
| 2.156      | 54.76  | DM2156-1/2A     | DM2156-1A     | DM2156-1-1/2A     | Black | 1000           | 550  | 250    |
| 2.250      | 57.15  | DM2250-1/2A     | DM2250-1A     | DM2250-1-1/2A     | Black | 250            | 500  | 300    |
| 2.250      | 57.15  | —               | DMS2250-1A    | DMS2250-1-1/2A    | Red   | —              | 500  | 300    |
| 2.375      | 60.33  | DM2375-1/2A     | DM2375-1A     | DM2375-1-1/2A     | Black | 500            | 350  | 250    |
| 2.460      | 62.48  | DM2460-1/2A     | DM2460-1A     | DM2460-1-1/2A     | Black | 1000           | 350  | 200    |
| 2.500      | 63.50  | DM2500-1/2A     | DM2500-1A     | DM2500-1-1/2A     | Black | 500            | 300  | 200    |
| 2.500      | 63.50  | —               | DMS2500-1A    | DMS2500-1-1/2A    | Red   | —              | 300  | 200    |
| 2.625      | 66.68  | DM2625-1/2A     | DM2625-1A     | DM2625-1-1/2A     | Black | 500            | 250  | 250    |
| 2.687      | 68.25  | DM2687-1/2A     | DM2687-1A     | DM2687-1-1/2A     | Black | 400            | 250  | 200    |
| 2.750      | 69.85  | DM2750-1/2A     | DM2750-1A     | DM2750-1-1/2A     | Black | 500            | 250  | 250    |
| 2.750      | 69.85  | —               | DMS2750-1A    | —                 | Red   | —              | 250  | —      |
| 2.875      | 73.03  | DM2875-1/2A     | DM2875-1A     | DM2875-1-1/2A     | Black | 500            | 250  | 200    |
| 3.000      | 76.20  | DM3000-1/2A     | DM3000-1A     | DM3000-1-1/2A     | Black | 500            | 300  | 200    |
| 3.000      | 76.20  | —               | DMS3000-1A    | DMS3000-1-1/2A    | Red   | —              | 300  | 200    |
| 3.125      | 79.38  | —               | DM3125-1A     | DM3125-1-1/2A     | Black | —              | 250  | 150    |
| 3.125      | 79.38  | —               | DMS3125-1A    | —                 | Red   | —              | 250  | 150    |
| 3.250      | 82.55  | —               | DM3250-1A     | DM3250-1-1/2A     | Black | —              | 100  | 100    |
| 3.250      | 82.55  | —               | DMS3250-1A    | —                 | Red   | —              | 100  | —      |
| 3.375      | 85.73  | —               | DM3375-1A     | DM3375-1-1/2A     | Black | —              | 200  | 150    |
| 3.500      | 88.90  | DM3500-1/2A     | DM3500-1A     | DM3500-1-1/2A     | Black | —              | 175  | 100    |
| 3.500      | 88.90  | —               | DMS3500-1A    | —                 | Red   | —              | 175  | —      |
| 3.625      | 92.08  | —               | DM3625-1A     | DM3625-1-1/2A     | Black | —              | 150  | 100    |
| 3.750      | 95.25  | —               | DM3750-1A     | DM3750-1-1/2A     | Black | —              | 100  | 100    |
| 3.750      | 95.25  | —               | DMS3750-1A    | —                 | Red   | —              | 100  | —      |
| 3.825      | 97.16  | —               | DM3825-1A     | DM3825-1-1/2A     | Black | —              | 150  | 100    |
| 3.875      | 98.43  | —               | DM3875-1A     | DM3875-1-1/2A     | Black | —              | 100  | 100    |
| 4.000      | 101.60 | DM4000-1/2A     | DM4000-1A     | DM4000-1-1/2A     | Black | —              | 150  | 100    |
| 4.000      | 101.60 | —               | DMS4000-1A    | DMS4000-1-1/2A    | Red   | —              | 150  | 100    |
| 4.125      | 104.78 | —               | DM4125-1A     | DM4125-1-1/2A     | Black | —              | 100  | 100    |
| 4.187      | 106.35 | —               | DM4187-1A     | DM4187-1-1/2A     | Black | —              | 100  | 100    |
| 4.250      | 107.95 | —               | DM4250-1A     | DM4250-1-1/2A     | Black | —              | 150  | 100    |
| 4.375      | 111.13 | —               | DM4375-1A     | DM4375-1-1/2A     | Black | —              | 100  | 50     |
| 4.500      | 114.30 | DM4500-1/2A     | DM4500-1A     | DM4500-1-1/2A     | Black | —              | 150  | 75     |
| 4.750      | 120.65 | —               | DM4750-1A     | DM4750-1-1/2A     | Black | —              | 85   | 100    |
| 5.000      | 127.00 | —               | DM5000-1A     | DM5000-1-1/2A     | Black | —              | 125  | 50     |
| 5.187      | 131.75 | —               | DM5187-1A     | DM5187-1-1/2A     | Black | —              | 50   | 50     |
| 5.375      | 136.53 | —               | DM5375-1A     | DM5375-1-1/2A     | Black | —              | 100  | 50     |
| 5.500      | 139.70 | DM5500-1/2A     | DM5500-1A     | DM5500-1-1/2A     | Black | —              | 50   | 50     |
| 5.750      | 146.05 | —               | DM5750-1A     | DM5750-1-1/2A     | Black | —              | 50   | 50     |
| 6.000      | 152.40 | —               | DM6000-1A     | DM6000-1-1/2A     | Black | —              | 50   | 50     |
| 6.250      | 158.75 | —               | DM6250-1A     | DM6250-1-1/2A     | Black | —              | 50   | 50     |
| 6.500      | 165.10 | DM6500-1/2A     | DM6500-1A     | DM6500-1-1/2A     | Black | —              | 50   | 50     |
| 6.750      | 171.45 | —               | DM6750-1A     | DM6750-1-1/2A     | Black | —              | 25   | 50     |
| 7.000      | 177.80 | —               | DM7000-1A     | DM7000-1-1/2A     | Black | —              | 25   | 25     |
| 7.250      | 184.15 | —               | DM7250-1A     | DM7250-1-1/2A     | Black | —              | 50   | 50     |
| 7.500      | 190.50 | —               | DM7500-1A     | DM7500-1-1/2A     | Black | —              | 50   | 25     |
| 7.750      | 196.85 | —               | DM7750-1A     | DM7750-1-1/2A     | Black | —              | 50   | 50     |
| 8.000      | 203.20 | —               | DM8000-1A     | DM8000-1-1/2A     | Black | —              | 50   | 25     |

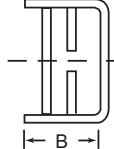
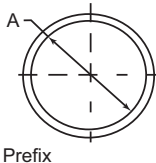
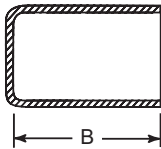
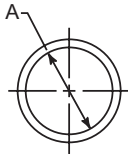
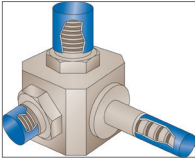
A and AR Series Round End Caps

Specifications

- Material: Low-Density Polyethylene
- Color: Refer to Chart

Features

- Designed to protect outside diameters matching cap I.D. (A) dimension
- Parts with a W/R have an internal molded ring for extra gripping power
- Parts with AR prefix have internal ribs for superior retention



AR Prefix

See inside back cover for Application Wizards.

| Part Number | A     |       | B     |       | Color   | Bulk Pack Qty. |
|-------------|-------|-------|-------|-------|---------|----------------|
|             | in    | mm    | in    | mm    |         |                |
| A3/32W/RA   | 0.094 | 2.38  | 0.625 | 15.88 | Blue    | 5000           |
| A1/8W/RA    | 0.125 | 3.18  | 0.625 | 15.88 | Blue    | 5000           |
| A5/32W/RA   | 0.156 | 3.97  | 0.625 | 15.88 | Blue    | 5000           |
| A3/16W/RA   | 0.187 | 4.76  | 0.625 | 15.88 | Blue    | 5000           |
| A1/4W/RA    | 0.250 | 6.35  | 0.875 | 22.23 | Blue    | 5000           |
| L1/4A       | 0.250 | 6.35  | 1.750 | 44.45 | Blue    | 7500           |
| AS9/32A     | 0.281 | 7.14  | 0.500 | 12.70 | Blue    | 6500           |
| A9/32A      | 0.281 | 7.14  | 0.875 | 22.23 | Blue    | 6500           |
| AC5/16W/RA  | 0.295 | 7.49  | 0.875 | 22.23 | Blue    | 6000           |
| A5/16W/RA   | 0.313 | 7.94  | 0.875 | 22.23 | Blue    | 5000           |
| L5/16A      | 0.313 | 7.94  | 1.750 | 44.45 | Blue    | 4500           |
| A3/8W/RA    | 0.375 | 9.53  | 0.875 | 22.23 | Blue    | 4250           |
| L3/8A       | 0.375 | 9.53  | 1.750 | 44.45 | Blue    | 3800           |
| AR100A      | 0.390 | 9.91  | 0.630 | 16.00 | Red     | 10000          |
| AS7/16A     | 0.437 | 11.11 | 0.500 | 12.70 | Blue    | 6000           |
| A7/16W/RA   | 0.437 | 11.11 | 0.875 | 22.23 | Blue    | 7000           |
| AR105A      | 0.450 | 11.43 | 0.630 | 16.00 | Red     | 10000          |
| A1/2BA      | 0.470 | 11.94 | 0.875 | 22.23 | Blue    | 5000           |
| A1/2A       | 0.495 | 12.57 | 0.875 | 22.23 | Blue    | 5000           |
| AS1/2A      | 0.500 | 12.70 | 0.500 | 12.70 | Blue    | 5000           |
| A1/2W/RA    | 0.500 | 12.70 | 0.875 | 22.23 | Blue    | 5000           |
| AS9/16A     | 0.563 | 14.29 | 0.563 | 14.29 | Blue    | 6500           |
| A9/16A      | 0.563 | 14.29 | 0.875 | 22.23 | Blue    | 4000           |
| A9/16W/RA   | 0.563 | 14.29 | 0.875 | 22.23 | Blue    | 4000           |
| AR110A      | 0.580 | 14.73 | 0.787 | 20.00 | Red     | 5000           |
| AS5/8A      | 0.625 | 15.88 | 0.375 | 9.53  | Blue    | 4250           |
| A5/8W/RA    | 0.625 | 15.88 | 0.875 | 22.23 | Blue    | 3500           |
| AR115A      | 0.630 | 16.00 | 0.787 | 20.00 | Red     | 5000           |
| AS11/16W/RA | 0.687 | 17.46 | 0.750 | 19.05 | Blue    | 4000           |
| A11/16A     | 0.687 | 17.46 | 0.875 | 22.23 | Blue    | 3000           |
| A11/16W/RA  | 0.687 | 17.46 | 0.875 | 22.23 | Blue    | 3000           |
| A23/32A     | 0.720 | 18.29 | 1.310 | 33.27 | Blue    | 1700           |
| K505A       | 0.720 | 18.29 | 1.500 | 38.10 | Blue    | 2800           |
| K505W/RA    | 0.720 | 18.29 | 1.500 | 38.10 | Natural | 2800           |
| AR120A      | 0.727 | 18.47 | 0.787 | 20.00 | Red     | 2500           |
| AS3/4A      | 0.750 | 19.05 | 0.375 | 9.53  | Blue    | 6000           |
| A3/4A       | 0.750 | 19.05 | 0.875 | 22.23 | Blue    | 5000           |
| A3/4W/RA    | 0.750 | 19.05 | 0.875 | 22.23 | Blue    | 5000           |
| AR125A      | 0.787 | 20.00 | 0.787 | 20.00 | Red     | 2000           |
| AS13/16W/RA | 0.813 | 20.64 | 0.344 | 8.73  | Blue    | 6000           |
| A13/16A     | 0.813 | 20.64 | 0.875 | 22.23 | Blue    | 4500           |
| A13/16W/RA  | 0.813 | 20.64 | 0.875 | 22.23 | Blue    | 4500           |
| AR130A      | 0.866 | 22.00 | 0.787 | 20.00 | Red     | 2500           |
| AS7/8W/RA   | 0.875 | 22.23 | 0.500 | 12.70 | Blue    | 3500           |
| A7/8W/RA    | 0.875 | 22.23 | 0.875 | 22.23 | Blue    | 4000           |
| L7/8A       | 0.875 | 22.23 | 1.750 | 44.45 | Blue    | 2000           |

| Part Number  | A     |        | B     |       | Color  | Bulk Pack Qty. |
|--------------|-------|--------|-------|-------|--------|----------------|
|              | in    | mm     | in    | mm    |        |                |
| A15/16A      | 0.937 | 23.81  | 0.813 | 20.64 | Blue   | 3500           |
| AR135A       | 0.961 | 24.41  | 0.827 | 21.01 | Red    | 2000           |
| A63/64A      | 0.980 | 24.89  | 1.310 | 33.27 | Blue   | 2000           |
| AS1A         | 1.000 | 25.40  | 0.375 | 9.53  | Blue   | 4000           |
| A1A          | 1.000 | 25.40  | 0.750 | 19.05 | Blue   | 3500           |
| A1W/RA       | 1.000 | 25.40  | 0.750 | 19.05 | Blue   | 3500           |
| AL1A         | 1.000 | 25.40  | 1.000 | 25.40 | Blue   | 2500           |
| L1B          | 1.000 | 25.40  | 1.750 | 45.72 | Blue   | 1400           |
| A1-1/16A     | 1.063 | 26.99  | 0.875 | 22.23 | Blue   | 3000           |
| A1-1/16W/RA  | 1.063 | 26.99  | 0.875 | 22.23 | Blue   | 3000           |
| AR140A       | 1.102 | 28.00  | 1.043 | 26.50 | Red    | 1000           |
| A1-1/8A      | 1.125 | 28.58  | 0.875 | 22.23 | Blue   | 2500           |
| A1-3/16W/RA  | 1.187 | 30.16  | 1.000 | 25.40 | Blue   | 2000           |
| AR145A       | 1.200 | 30.48  | 1.043 | 26.50 | Red    | 800            |
| AS1-1/4A     | 1.250 | 31.75  | 0.625 | 15.88 | Blue   | 3000           |
| A1-1/4A      | 1.250 | 31.75  | 0.875 | 22.23 | Blue   | 2000           |
| A1-5/16A     | 1.313 | 33.34  | 0.875 | 22.23 | Blue   | 2000           |
| A1-5/16W/RA  | 1.313 | 33.34  | 0.875 | 22.23 | Blue   | 2000           |
| A1-3/8A      | 1.375 | 34.93  | 0.875 | 22.23 | Blue   | 1800           |
| AR150A       | 1.378 | 35.00  | 1.043 | 26.50 | Red    | 800            |
| A1-7/16A     | 1.437 | 36.51  | 0.875 | 22.23 | Blue   | 1600           |
| AR155A       | 1.444 | 36.68  | 1.031 | 26.19 | Red    | 500            |
| A1-1/2A      | 1.500 | 38.10  | 0.875 | 22.23 | Blue   | 1500           |
| A1-9/16A     | 1.563 | 39.69  | 1.000 | 25.40 | Blue   | 1200           |
| A1-5/8A      | 1.625 | 41.28  | 1.000 | 25.40 | Blue   | 1900           |
| A1-11/16A    | 1.688 | 42.87  | 0.875 | 22.23 | Blue   | 1200           |
| A1-3/4A      | 1.750 | 44.45  | 0.875 | 22.23 | Blue   | 1200           |
| A1-7/8A      | 1.875 | 47.63  | 0.875 | 22.23 | Blue   | 1000           |
| A2A          | 2.000 | 50.80  | 0.875 | 22.23 | Blue   | 1000           |
| A2-1/8A      | 2.125 | 53.98  | 0.875 | 22.23 | Blue   | 900            |
| AR160A       | 2.125 | 54.00  | 1.094 | 27.80 | Red    | 300            |
| A2-1/4A      | 2.250 | 57.15  | 1.250 | 31.75 | Blue   | 450            |
| A2-3/8A      | 2.375 | 60.33  | 0.875 | 22.23 | Blue   | 700            |
| A2-1/2A      | 2.500 | 63.50  | 0.875 | 22.23 | Blue   | 600            |
| AS2-9/16A    | 2.563 | 65.09  | 0.375 | 9.53  | Blue   | 1200           |
| A2-19/32W/RA | 2.575 | 65.40  | 1.000 | 25.40 | Blue   | 500            |
| A2-5/8A      | 2.615 | 66.42  | 1.000 | 25.40 | Blue   | 425            |
| A2-3/4A      | 2.725 | 69.22  | 1.090 | 27.68 | Blue   | 450            |
| A3A          | 2.980 | 75.69  | 1.000 | 25.40 | Blue   | 400            |
| A3-1/8A      | 3.125 | 79.38  | 1.375 | 34.93 | Blue   | 250            |
| A3-1/4A      | 3.250 | 82.55  | 1.875 | 47.63 | Blue   | 150            |
| A3-1/2A      | 3.500 | 88.90  | 1.000 | 25.40 | Blue   | 300            |
| A3-3/4A      | 3.740 | 94.99  | 1.000 | 25.40 | Blue   | 225            |
| A4A          | 3.990 | 101.34 | 1.000 | 25.40 | Blue   | 200            |
| A4-1/8A      | 4.115 | 104.52 | 1.000 | 25.40 | Blue   | 200            |
| AR165A       | 4.331 | 110.00 | 1.362 | 34.60 | Yellow | 150            |



BLWF Series//Page 41

G Series//Page 29

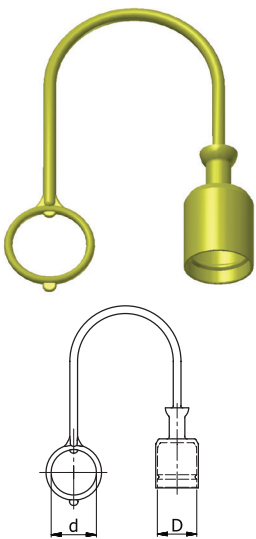
EZP Series//Page 39

DON'T FORGET  
YOUR FITTINGS

DC Series//Page 30

Threaded O-Ring  
Plugs//Page 45





Hydraulic Quick Release Dust Caps

Specifications

- Material: Thermoplastic elastomer
- Color: Red, green, blue or yellow (see chart)

Features

- Suitable to cap ISO 7241-1 Series A and B Quick Couplings
- Designed to remain attached to the hose
- Excellent protection from dirt, moisture and corrosion
- Temperature -40°F / 275°F (-40°C / 135°C)

| Part Number |        |        |        | Size | Series | Dimensions |       |      |       | Std. Pack Qty |
|-------------|--------|--------|--------|------|--------|------------|-------|------|-------|---------------|
| Red         | Yellow | Green  | Blue   |      |        | D          |       | d    |       |               |
| 498796      | 499736 | 499746 | 499756 | 1/4" | ISO A  | 12.7       | 0.500 | 20.0 | 0.787 | 150           |
| 498797      | 499737 | 499747 | 499757 | 3/8" | ISO A  | 18.3       | 0.720 | 25.0 | 0.984 | 150           |
| 498798      | 499738 | 499748 | 499758 | 1/2" | ISO A  | 24.3       | 0.957 | 28.0 | 1.102 | 150           |
| 498799      | 499739 | 499749 | 499759 | 3/4" | ISO A  | 30.7       | 1.209 | 35.0 | 1.378 | 150           |
| 498800      | 499740 | 499750 | 499760 | 1"   | ISO A  | 36.5       | 1.437 | 42.0 | 1.654 | 150           |
| 498801      | 499741 | 499751 | 499761 | 1/4" | ISO B  | 15.5       | 0.610 | 20.0 | 0.787 | 150           |
| 498802      | 499742 | 499752 | 499762 | 3/8" | ISO B  | 20.0       | 0.787 | 23.0 | 0.906 | 150           |
| 498803      | 499743 | 499753 | 499763 | 1/2" | ISO B  | 25.7       | 1.012 | 28.0 | 1.102 | 150           |
| 498804      | 499744 | 499754 | 499764 | 3/4" | ISO B  | 32.7       | 1.287 | 34.0 | 1.339 | 150           |
| 498805      | 499745 | 499755 | 499765 | 1"   | ISO B  | 40.5       | 1.594 | 43.0 | 1.693 | 150           |

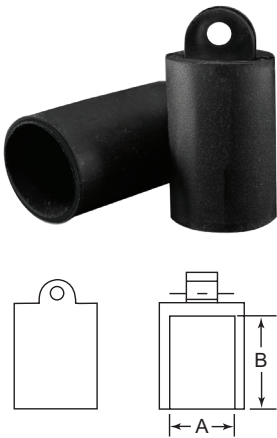
FEC Series Flexible End Caps

Specifications

- Material: Thermoplastic Rubber
- Color: Black

Features

- Flexible material can stretch onto larger diameters for a snug fit
- Recommended for use wherever resistance to acid is required



| Item No. | A     |       | B     |       | Bulk Pack Qty. |
|----------|-------|-------|-------|-------|----------------|
|          | in    | mm    | in    | mm    |                |
| 12200B   | 0.197 | 5.00  | 0.925 | 23.50 | 10000          |
| 12201B   | 0.236 | 6.00  | 0.984 | 25.00 | 10000          |
| 12202B   | 0.276 | 7.00  | 0.945 | 24.00 | 10000          |
| 12203B   | 0.315 | 8.00  | 0.965 | 24.50 | 8000           |
| 12204B   | 0.354 | 9.00  | 0.984 | 25.00 | 7000           |
| 12205B   | 0.394 | 10.00 | 1.161 | 29.50 | 5000           |
| 12206B   | 0.433 | 11.00 | 1.142 | 29.00 | 4500           |
| 12207B   | 0.472 | 12.00 | 1.142 | 29.00 | 4000           |
| 12208B   | 0.512 | 13.00 | 1.142 | 29.00 | 3500           |
| 12209B   | 0.551 | 14.00 | 1.161 | 29.50 | 3000           |
| 12210B   | 0.591 | 15.00 | 1.161 | 29.50 | 2500           |
| 12211B   | 0.630 | 16.00 | 1.102 | 28.00 | 2500           |
| 12212B   | 0.669 | 17.00 | 1.161 | 29.50 | 2000           |

| Item No. | A     |       | B     |       | Bulk Pack Qty. |
|----------|-------|-------|-------|-------|----------------|
|          | in    | mm    | in    | mm    |                |
| 12213B   | 0.709 | 18.00 | 1.122 | 28.50 | 2000           |
| 12214B   | 0.748 | 19.00 | 1.161 | 29.50 | 2000           |
| 12215B   | 0.787 | 20.00 | 1.122 | 28.50 | 1600           |
| 12216B   | 0.827 | 21.00 | 1.358 | 34.50 | 1300           |
| 12217B   | 0.866 | 22.00 | 1.339 | 34.00 | 1200           |
| 12218B   | 0.906 | 23.00 | 1.358 | 34.50 | 1000           |
| 12219B   | 0.945 | 24.00 | 1.339 | 34.00 | 1000           |
| 12220B   | 0.984 | 25.00 | 1.358 | 34.50 | 1000           |
| 12221B   | 1.024 | 26.00 | 1.358 | 34.50 | 900            |
| 12222B   | 1.063 | 27.00 | 1.319 | 33.50 | 900            |
| 12223B   | 1.102 | 28.00 | 1.319 | 33.50 | 800            |
| 12224B   | 1.142 | 29.00 | 1.378 | 35.00 | 800            |
| 12225B   | 1.181 | 30.00 | 1.358 | 34.50 | 600            |

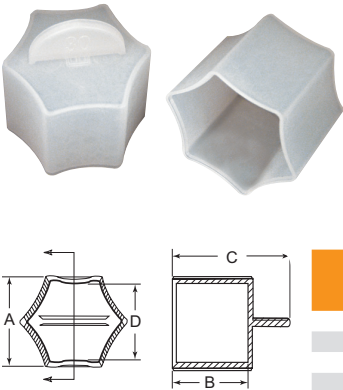
HEX Series Hexagonal Caps

Specifications

- Material: Polyethylene
- Color: Natural

Features

- Rigid design allows easy application and removal
- Available in all common hydraulic coupling sizes
- Also suitable for protecting round components



| Item No. | To Fit Thread Sizes |        |       | A     |    | B     |    | C     |    | D     |      | Bulk Pack Qty. |
|----------|---------------------|--------|-------|-------|----|-------|----|-------|----|-------|------|----------------|
|          | UNF                 | Metric | BSP   | in    | mm | in    | mm | in    | mm | in    | mm   |                |
| HEX100A  | —                   | M10    | —     | 0.433 | 11 | 0.630 | 16 | 1.102 | 28 | 0.421 | 10.7 | 500            |
| HEX105A  | 7/16                | M12    | 1/8   | 0.551 | 14 | 0.709 | 18 | 1.181 | 30 | 0.539 | 13.7 | 500            |
| HEX110A  | —                   | —      | —     | 0.630 | 16 | 0.787 | 20 | 1.260 | 32 | 0.618 | 15.7 | 500            |
| HEX115A  | 1/2                 | M14    | —     | 0.669 | 17 | 0.787 | 20 | 1.260 | 32 | 0.657 | 16.7 | 500            |
| HEX120A  | 9/16                | M16    | 1/4   | 0.748 | 19 | 0.984 | 25 | 1.535 | 39 | 0.736 | 18.7 | 500            |
| HEX125A  | 3/4                 | M18    | 3/8   | 0.866 | 22 | 0.984 | 25 | 1.535 | 39 | 0.850 | 21.6 | 500            |
| HEX130A  | —                   | —      | —     | 0.945 | 24 | 1.102 | 28 | 1.654 | 42 | 0.929 | 23.6 | 500            |
| HEX135A  | —                   | —      | —     | 0.984 | 25 | 1.102 | 28 | 1.654 | 42 | 0.969 | 24.6 | 250            |
| HEX140A  | 7/8                 | M22    | 1/2   | 1.063 | 27 | 1.102 | 28 | 1.654 | 42 | 1.047 | 26.6 | 250            |
| HEX145A  | —                   | —      | —     | 1.142 | 29 | 1.181 | 30 | 1.732 | 44 | 1.126 | 28.6 | 250            |
| HEX150A  | —                   | M24    | 5/8   | 1.181 | 30 | 1.181 | 30 | 1.732 | 44 | 1.165 | 29.6 | 250            |
| HEX155A  | 1-1/16              | M26    | 3/4   | 1.260 | 32 | 1.181 | 30 | 1.732 | 44 | 1.244 | 31.6 | 250            |
| HEX160A  | —                   | M30    | —     | 1.417 | 36 | 1.181 | 30 | 1.732 | 44 | 1.398 | 35.5 | 250            |
| HEX165A  | —                   | —      | —     | 1.496 | 38 | 1.220 | 31 | 1.772 | 45 | 1.476 | 37.5 | 100            |
| HEX170A  | 1-5/16              | M36    | 1     | 1.614 | 41 | 1.220 | 31 | 1.772 | 45 | 1.594 | 40.5 | 100            |
| HEX175A  | —                   | —      | —     | 1.811 | 46 | 1.260 | 32 | 1.811 | 46 | 1.791 | 45.5 | 100            |
| HEX180A  | 1-5/8               | M45    | 1-1/4 | 1.969 | 50 | 1.260 | 32 | 1.811 | 46 | 1.949 | 49.5 | 100            |

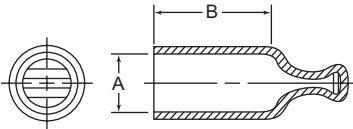
DMPC Series Easy-Pull Vinyl Caps

Specifications

- Material: Vinyl (PVC)
- Color: Black
- Temperature Range: Up to 350°F (177°C)

Features

- The curved pull-tab design provides more surface contact area requiring less gripping force during installation and removal
- Flexible material can stretch onto larger dimensions for a snug fit without tearing, splitting or shredding
- Glossy and attractive finish makes this part ideal for use as a decorative end cap



| A = To Fit |       | Part Number     |               |                   | Bulk Pack Qty. |      |        |
|------------|-------|-----------------|---------------|-------------------|----------------|------|--------|
|            |       | B Length        |               |                   |                |      |        |
| in         | mm    | 1/2" (12.70 mm) | 1" (25.40 mm) | 1-1/2" (38.10 mm) | 1/2"           | 1"   | 1-1/2" |
| 0.187      | 4.75  | DMPC0180-1/2A   | DMPC0180-1A   | —                 | 5000           | 5000 | —      |
| 0.218      | 5.54  | DMPC0207-1/2A   | DMPC0207-1A   | —                 | 5000           | 5000 | —      |
| 0.250      | 6.35  | DMPC0240-1/2A   | DMPC0240-1A   | —                 | 5000           | 5000 | —      |
| 0.302      | 7.67  | DMPC0302-1/2A   | DMPC0302-1A   | DMPC0302-1-1/2A   | 7500           | 5000 | 2500   |
| 0.320      | 8.13  | DMPC0320-1/2A   | DMPC0320-1A   | DMPC0320-1-1/2A   | 5000           | 5000 | 2500   |
| 0.343      | 8.71  | DMPC0343-1/2A   | DMPC0343-1A   | DMPC0343-1-1/2A   | 5000           | 3000 | 2500   |
| 0.375      | 9.53  | DMPC0365-1/2A   | DMPC0365-1A   | DMPC0365-1-1/2A   | 5000           | 3000 | 2000   |
| 0.406      | 10.32 | DMPC0396-1/2A   | DMPC0396-1A   | DMPC0396-1-1/2A   | 5000           | 5000 | 2500   |
| 0.420      | 10.67 | DMPC0420-1/2A   | DMPC0420-1A   | DMPC0420-1-1/2A   | 5000           | 5000 | 2500   |
| 0.437      | 11.10 | DMPC0427-1/2A   | DMPC0427-1A   | DMPC0427-1-1/2A   | 5000           | 4000 | 2500   |
| 0.450      | 11.43 | DMPC0450-1/2A   | DMPC0450-1A   | DMPC0450-1-1/2A   | 5000           | 4000 | 2500   |
| 0.472      | 11.99 | DMPC0470-1/2A   | DMPC0470-1A   | DMPC0470-1-1/2A   | 5000           | 4000 | 2500   |
| 0.500      | 12.70 | DMPC0490-1/2A   | DMPC0490-1A   | DMPC0490-1-1/2A   | 5000           | 4000 | 2000   |
| 0.531      | 13.49 | DMPC0521-1/2A   | DMPC0521-1A   | DMPC0521-1-1/2A   | 5000           | 4000 | 2500   |
| 0.562      | 14.27 | DMPC0552-1/2A   | DMPC0552-1A   | DMPC0552-1-1/2A   | 2500           | 2500 | 2500   |
| 0.593      | 15.06 | DMPC0590-1/2A   | DMPC0590-1A   | DMPC0590-1-1/2A   | 2500           | 1900 | 1500   |
| 0.600      | 15.24 | DMPC0600-1/2A   | DMPC0600-1A   | DMPC0600-1-1/2A   | 5000           | 2500 | 2500   |
| 0.615      | 15.62 | DMPC0615-1/2A   | DMPC0615-1A   | DMPC0615-1-1/2A   | 5000           | 2500 | 2000   |
| 0.625      | 15.88 | DMPC0625-1/2A   | DMPC0625-1A   | DMPC0625-1-1/2A   | 2500           | 1350 | 1500   |
| 0.655      | 16.64 | DMPC0655-1/2A   | DMPC0655-1A   | DMPC0655-1-1/2A   | 2000           | 2500 | 1500   |
| 0.677      | 17.20 | DMPC0677-1/2A   | DMPC0677-1A   | DMPC0677-1-1/2A   | 5000           | 2500 | 1500   |
| 0.687      | 17.45 | DMPC0687-1/2A   | DMPC0687-1A   | DMPC0687-1-1/2A   | 2500           | 2000 | 1500   |
| 0.708      | 17.98 | DMPC0708-1/2A   | DMPC0708-1A   | DMPC0708-1-1/2A   | 2500           | 2000 | 1500   |
| 0.750      | 19.05 | DMPC0740-1/2A   | DMPC0740-1A   | DMPC0740-1-1/2A   | 4000           | 2500 | 1500   |
| 0.812      | 20.62 | DMPC0812-1/2A   | DMPC0812-1A   | DMPC0812-1-1/2A   | 2500           | 2000 | 750    |
| 0.875      | 22.23 | DMPC0865-1/2A   | DMPC0865-1A   | DMPC0865-1-1/2A   | 1500           | 1500 | 750    |
| 0.937      | 23.79 | DMPC0937-1/2A   | DMPC0937-1A   | DMPC0937-1-1/2A   | 1500           | 1500 | 750    |
| 1.000      | 25.40 | DMPC0990-1/2A   | DMPC0990-1A   | DMPC0990-1-1/2A   | 1500           | 1500 | 750    |
| 1.060      | 26.92 | —               | DMPC1060-1A   | DMPC1060-1-1/2A   | —              | 1000 | 700    |
| 1.125      | 28.58 | —               | DMPC1125-1A   | DMPC1125-1-1/2A   | —              | 1000 | 700    |
| 1.250      | 31.75 | —               | DMPC1230-1A   | DMPC1230-1-1/2A   | —              | 1000 | 700    |
| 1.500      | 38.10 | —               | DMPC1500-1A   | DMPC1500-1-1/2A   | —              | 700  | 250    |
| 1.625      | 41.28 | —               | DMPC1605-1A   | DMPC1605-1-1/2A   | —              | 550  | 350    |



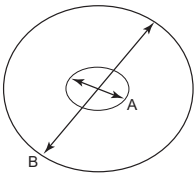
MCP Series Stretch Fit Cover Caps

Specifications

- Material: Polyethylene
- Color: Refer to Chart

Features

- Capable of covering a wide range of part diameters and shapes with one part
- Protects against dirt and moisture during storage and shipping
- Reusable



| Part Number |         | A= Elastic Dia. |        | B= Flat Overall Dia. |        | Bulk Pack Qty. |
|-------------|---------|-----------------|--------|----------------------|--------|----------------|
| Blue        | Clear   | in              | mm     | in                   | mm     |                |
| MCP050B     | MCP050N | 1.00            | 25.40  | 3.00                 | 76.20  | 1000           |
| MCP100B     | MCP100N | 1.22            | 30.99  | 3.78                 | 96.01  | 1000           |
| MCP105B     | MCP105N | 1.25            | 50.80  | 8.00                 | 203.20 | 500            |
| MCP110B     | MCP110N | 1.50            | 38.10  | 4.50                 | 114.30 | 1000           |
| MCP120B     | MCP120N | 2.00            | 50.80  | 5.75                 | 146.05 | 1000           |
| MCP125B     | MCP125N | 2.50            | 63.50  | 10.00                | 254.00 | 500            |
| MCP130B     | MCP130N | 2.44            | 61.98  | 8.66                 | 219.96 | 500            |
| MCP140B     | MCP140N | 3.07            | 77.98  | 9.45                 | 240.03 | 500            |
| MCP145B     | MCP145N | 3.50            | 88.90  | 18.00                | 457.20 | 300            |
| MCP150B     | MCP150N | 4.25            | 107.95 | 13.00                | 330.20 | 250            |
| MCP155B     | MCP155N | 5.75            | 146.05 | 24.00                | 609.60 | 200            |
| MCP160B     | MCP160N | 5.00            | 127.00 | 15.95                | 405.13 | 250            |
| MCP165B     | MCP165N | 6.50            | 165.10 | 32.00                | 812.80 | 100            |





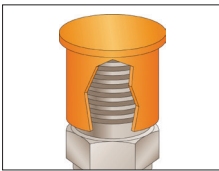
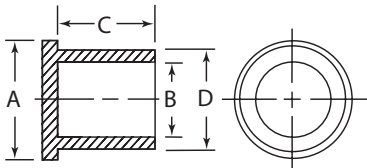
E Series Flanged Caps for Standard Threads

Specifications

- Material: Low-Density Polyethylene
- Color: Refer to Chart

Features

- Designed for easy assembly and removal either with automated equipment or by hand
- Typically used to protect standard threads with or without O-Rings



See inside back cover for Application Wizards.

| Part Number |          | To Cap<br>Standard<br>Thread | A     |       | B     |       | C     |       | D     |       | Bulk<br>Pack<br>Qty. |
|-------------|----------|------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------|
| Natural     | Orange   |                              | in    | mm    | in    | mm    | in    | mm    | in    | mm    |                      |
| E5/16A      | -        | 5/16"                        | 0.510 | 12.95 | 0.315 | 8.00  | 0.840 | 21.33 | 0.377 | 9.57  | 5000                 |
| -           | E3/8A    | 3/8"                         | 0.531 | 13.49 | 0.364 | 9.25  | 0.590 | 16.67 | 0.428 | 10.87 | 5000                 |
| E3/8AA      | -        | 3/8"                         | 0.580 | 14.73 | 0.377 | 9.58  | 0.840 | 21.34 | 0.447 | 11.35 | 5000                 |
| EL3/8B      | EL3/8A   | 3/8"                         | 0.520 | 13.21 | 0.370 | 9.40  | 1.280 | 32.51 | 0.440 | 11.18 | 5000                 |
| E7/16A      | -        | 7/16"                        | 0.625 | 15.88 | 0.428 | 10.87 | 0.590 | 14.99 | 0.492 | 12.50 | 4250                 |
| E7/16CATB   | -        | 7/16"                        | 0.625 | 15.88 | 0.429 | 10.90 | 0.600 | 15.24 | 0.491 | 12.47 | 4250                 |
| EL7/16B     | EL7/16A  | 7/16"                        | 0.580 | 14.73 | 0.428 | 10.87 | 1.020 | 25.91 | 0.495 | 12.57 | 5000                 |
| -           | EL7/16AA | 7/16"                        | 0.580 | 14.73 | 0.425 | 10.79 | 1.330 | 33.98 | 0.487 | 12.37 | 2800                 |
| E1/2A       | -        | 1/2"                         | 0.720 | 18.29 | 0.490 | 12.45 | 0.460 | 11.68 | 0.550 | 13.97 | 4000                 |
| EL1/2A      | -        | 1/2"                         | 0.640 | 16.25 | 0.490 | 12.45 | 1.330 | 33.78 | 0.552 | 14.02 | 2800                 |
| EL9/16A     | -        | 9/16"                        | 0.700 | 17.78 | 0.550 | 13.97 | 1.410 | 35.81 | 0.620 | 15.75 | 2500                 |
| E9/16A      | -        | 9/16"                        | 0.810 | 20.57 | 0.551 | 14.00 | 0.490 | 12.45 | 0.621 | 15.77 | 5900                 |
| E5/8B       | E5/8A    | 5/8"                         | 0.813 | 20.64 | 0.606 | 15.39 | 0.750 | 19.05 | 0.677 | 17.20 | 4000                 |
| EL5/8A      | -        | 5/8"                         | 0.760 | 19.30 | 0.625 | 15.88 | 0.840 | 21.34 | 0.687 | 17.48 | 3000                 |
| E11/16B     | -        | 11/16"                       | 0.935 | 23.75 | 0.675 | 17.14 | 0.500 | 17.15 | 0.745 | 12.70 | 4000                 |
| -           | EL11/16A | 11/16"                       | 0.840 | 21.33 | 0.678 | 17.22 | 0.880 | 22.35 | 0.748 | 18.99 | 2500                 |
| E3/4B       | E3/4A    | 3/4"                         | 1.000 | 25.40 | 0.720 | 18.29 | 0.688 | 17.46 | 0.794 | 20.17 | 3000                 |
| E3/4CATA    | -        | 3/4"                         | 1.000 | 25.40 | 0.729 | 18.52 | 0.625 | 15.88 | 0.786 | 19.96 | 3000                 |
| EL3/4D      | EL3/4A   | 3/4"                         | 0.890 | 22.61 | 0.740 | 18.80 | 1.540 | 39.12 | 0.813 | 20.65 | 2500                 |
| E13/16A     | -        | 13/16"                       | 1.060 | 26.92 | 0.800 | 20.32 | 0.570 | 14.48 | 0.870 | 22.10 | 2500                 |
| -           | K324A    | 13/16"                       | 1.060 | 20.64 | 0.605 | 15.37 | 0.845 | 21.50 | 0.665 | 16.89 | 3500                 |
| E7/8SA      | -        | 7/8"                         | 1.120 | 28.45 | 0.864 | 21.95 | 0.690 | 17.53 | 0.926 | 23.52 | 4000                 |
| -           | E7/8A    | 7/8"                         | 1.096 | 27.84 | 0.860 | 21.84 | 0.875 | 22.23 | 0.933 | 23.70 | 3500                 |
| E7/8CATB    | -        | 7/8"                         | 1.096 | 27.84 | 0.865 | 21.97 | 0.832 | 21.13 | 0.921 | 23.39 | 3500                 |
| EL7/8B      | EL7/8A   | 7/8"                         | 1.010 | 25.65 | 0.860 | 21.84 | 1.700 | 43.18 | 0.929 | 23.60 | 2000                 |
| E1A         | -        | 1"                           | 1.246 | 31.65 | 0.993 | 25.22 | 0.660 | 16.76 | 1.056 | 26.82 | 1500                 |
| -           | E1-1/16A | 1-1/16"                      | 1.187 | 30.15 | 1.030 | 26.16 | 1.062 | 27.98 | 1.092 | 27.74 | 2000                 |
| E1-1/16CATB | -        | 1-1/16"                      | 1.288 | 32.72 | 1.043 | 26.49 | 0.688 | 17.48 | 1.114 | 28.30 | 2800                 |
| E1-3/16B    | -        | 1-3/16"                      | 1.432 | 36.37 | 1.172 | 29.77 | 0.760 | 19.30 | 1.242 | 31.55 | 2000                 |
| E1-5/16B    | -        | 1-5/16"                      | 1.567 | 39.80 | 1.302 | 33.07 | 0.760 | 19.30 | 1.372 | 34.85 | 1800                 |
| E1-7/16B    | -        | 1-7/16"                      | 1.697 | 43.10 | 1.432 | 36.37 | 0.760 | 19.30 | 1.502 | 38.15 | 1500                 |
| E1-5/8B     | -        | 1-5/8"                       | 1.875 | 47.63 | 1.615 | 41.02 | 0.835 | 21.21 | 1.685 | 42.80 | 1100                 |
| E1-11/16B   | -        | 1-11/16"                     | 1.928 | 48.97 | 1.668 | 42.37 | 0.835 | 21.21 | 1.738 | 44.15 | 1000                 |
| E1-7/8A     | E1-7/8B  | 1-7/8"                       | 2.131 | 54.13 | 1.871 | 47.52 | 0.960 | 24.38 | 1.941 | 49.30 | 900                  |
| E2B         | E2A      | 2"                           | 2.256 | 57.30 | 1.994 | 50.65 | 1.085 | 27.56 | 2.064 | 52.43 | 600                  |
| E2-1/2A     | -        | 2-1/2"                       | 2.756 | 70.00 | 2.491 | 63.27 | 1.210 | 30.73 | 2.566 | 65.18 | 350                  |

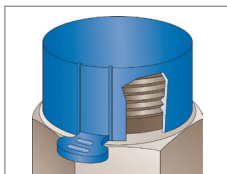
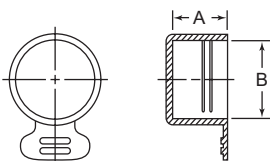
TS Series Tear Tab Caps for SAE/JIC Threads

Specifications

- Material: Low-Density Polyethylene
- Color: Refer to Chart

Features

- Designed with a tear tab for easy removal
- Made to protect standard threads from damage but versatile enough to be used in numerous applications



| Part Number |       | To Cap<br>Standard<br>Thread | SAE/JIC<br>Fitting Size | A     |       | B     |       | Bulk<br>Pack<br>Qty. |
|-------------|-------|------------------------------|-------------------------|-------|-------|-------|-------|----------------------|
| Natural     | Blue  |                              |                         | in    | mm    | in    | mm    |                      |
| TS3B        | TS3A  | 3/8"-24                      | 3                       | 0.437 | 11.10 | 0.364 | 9.25  | 6500                 |
| TS4B        | TS4A  | 7/16"-20                     | 4                       | 0.460 | 11.68 | 0.433 | 11.00 | 5500                 |
| TS5B        | TS5A  | 1/2"-20                      | 5                       | 0.460 | 11.68 | 0.490 | 12.45 | 4500                 |
| TS6B        | TS6A  | 9/16"-18                     | 6                       | 0.475 | 12.07 | 0.551 | 14.00 | 7000                 |
| TS7B        | TS7A  | 11/16"-16                    | 7                       | 0.475 | 12.07 | 0.675 | 17.15 | 5000                 |
| TS8B        | TS8A  | 3/4"-16                      | 8                       | 0.560 | 14.22 | 0.740 | 18.80 | 3500                 |
| TS9B        | TS9A  | 13/16"-16                    | 9                       | 0.560 | 14.22 | 0.802 | 20.37 | 3000                 |
| TS10B       | TS10A | 7/8"-14                      | 10                      | 0.650 | 16.51 | 0.873 | 22.17 | 4500                 |
| TS11B       | TS11A | 1"-14                        | 11                      | 0.650 | 16.51 | 0.986 | 25.04 | 4000                 |
| TS12B       | TS12A | 1-1/16"-12                   | 12                      | 0.750 | 19.05 | 1.053 | 26.75 | 3000                 |
| TS13B       | TS13A | 1-3/16"-12                   | 13                      | 0.750 | 19.05 | 1.172 | 29.77 | 2700                 |
| TS16B       | TS16A | 1-5/16"-12                   | 16                      | 0.750 | 19.05 | 1.302 | 33.07 | 2200                 |
| TS17B       | TS17A | 1-7/16"-12                   | 17                      | 0.750 | 19.05 | 1.432 | 36.37 | 2000                 |
| TS20B       | TS20A | 1-5/8"-12                    | 20                      | 0.825 | 20.96 | 1.615 | 41.02 | 1300                 |
| TS21B       | TS21A | 1-11/16"-12                  | 21                      | 0.825 | 20.96 | 1.668 | 42.37 | 1200                 |
| TS24B       | TS24A | 1-7/8"-12                    | 24                      | 0.950 | 24.13 | 1.871 | 47.52 | 900                  |
| TS32B       | TS32A | 2-1/2"-12                    | 32                      | 1.200 | 30.48 | 2.491 | 63.27 | 400                  |

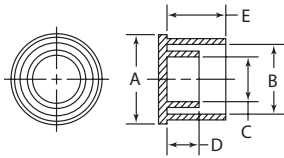
OR Series O-Ring Face-Fitting Caps for UNF Threads

Specifications

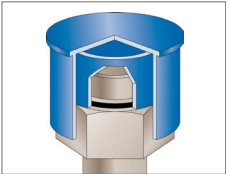
- Material: Low-Density Polyethylene
- Color: Blue

Features

- Designed to protect O-Ring face seal connectors used on hydraulic connections



| Part Number | To Cap UNF Thread | A     |       | B     |       | C     |       | D     |       | E     |       | Bulk Pack Qty. |
|-------------|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------|
|             |                   | in    | mm    | in    | mm    | in    | mm    | in    | mm    | in    | mm    |                |
| OR4A        | 9/16"-18          | 0.875 | 22.23 | 0.768 | 19.51 | 0.500 | 12.70 | 0.326 | 8.28  | 0.578 | 14.68 | 3500           |
| OR6A        | 11/16"-16         | 1.000 | 25.40 | 0.901 | 22.89 | 0.594 | 15.08 | 0.370 | 9.40  | 0.672 | 17.07 | 2500           |
| OR8A        | 13/16"-16         | 1.156 | 29.37 | 1.053 | 26.75 | 0.750 | 19.05 | 0.430 | 10.92 | 0.828 | 21.03 | 3000           |
| OR10A       | 1"-14             | 1.375 | 34.93 | 1.260 | 32.00 | 0.906 | 23.02 | 0.530 | 13.46 | 0.922 | 23.42 | 2000           |
| OR12A       | 1-3/16"-12        | 1.625 | 41.28 | 1.535 | 38.99 | 1.094 | 27.78 | 0.560 | 14.48 | 1.031 | 26.19 | 1200           |
| OR16A       | 1-7/16"-12        | 1.844 | 46.83 | 1.804 | 45.82 | 1.344 | 34.13 | 0.580 | 14.73 | 1.094 | 27.78 | 900            |
| OR20A       | 1-11/16"-12       | 2.125 | 53.98 | 2.093 | 53.16 | 1.594 | 40.48 | 0.580 | 14.73 | 1.094 | 27.78 | 700            |
| OR24B       | 2"-12             | 2.688 | 68.26 | 2.520 | 64.01 | 1.875 | 47.63 | 0.580 | 14.73 | 1.094 | 27.78 | 450            |



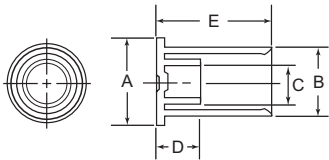
OR Series O-Ring Face-Fitting Caps for UNF/JIC Threads

Specifications

- Material: Low-Density Polyethylene
- Color: Refer to Chart

Features

- Designed to protect O-Ring face seal connectors used on hydraulic connections
- Designed with a longer overall length and includes a molded retaining ring at the bottom that snaps under the connector so it will not fall off the connector

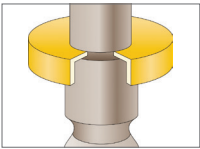


UNF Threads

| Part Number (Blue) | To Cap UNF Thread | A     |       | B     |       | C     |       | D     |       | E     |       | Bulk Pack Qty. |
|--------------------|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------|
|                    |                   | in    | mm    | in    | mm    | in    | mm    | in    | mm    | in    | mm    |                |
| OFR4B              | 9/16"-18          | 0.938 | 23.80 | 0.771 | 19.58 | 0.500 | 12.70 | 0.330 | 8.30  | 0.690 | 17.50 | 3000           |
| OFR6B              | 11/16"-16         | 1.125 | 28.40 | 0.903 | 22.93 | 0.625 | 16.00 | 0.370 | 9.40  | 0.770 | 19.60 | 2500           |
| OFR8A              | 13/16"-16         | 1.219 | 31.00 | 1.052 | 26.72 | 0.750 | 19.10 | 0.430 | 10.90 | 0.930 | 23.60 | 3000           |
| OFR10A             | 1"-14             | 1.438 | 36.50 | 1.255 | 31.50 | 0.906 | 23.00 | 0.530 | 13.50 | 1.040 | 26.40 | 2000           |
| OFR12A             | 1-3/16"-12        | 1.688 | 42.70 | 1.530 | 38.86 | 1.093 | 27.70 | 0.570 | 14.50 | 1.140 | 28.80 | 1200           |
| OFR16A             | 1-7/16"-12        | 2.000 | 50.80 | 1.804 | 45.82 | 1.343 | 34.10 | 0.580 | 14.70 | 1.210 | 30.70 | 900            |
| OFR20A             | 1-11/16"-12       | 2.250 | 57.20 | 2.093 | 53.16 | 1.593 | 40.50 | 0.580 | 14.70 | 1.210 | 30.70 | 700            |
| OFR24A             | 2"-12             | 2.719 | 69.00 | 2.520 | 64.01 | 1.875 | 47.60 | 0.580 | 14.70 | 1.210 | 30.70 | 450            |

JIC Threads

| Part Number |         | To Cap JIC Thread | JIC Fitting Size | A     |       | B     |       | C     |       | D     |       | E     |       | Bulk Pack Qty. |
|-------------|---------|-------------------|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------|
| Blue        | Red     |                   |                  | in    | mm    | in    | mm    | in    | mm    | in    | mm    | in    | mm    |                |
| OFR100A     | OFR100B | 7/16"-20          | 4                | 0.770 | 19.60 | 0.712 | 18.08 | 0.370 | 9.40  | 0.420 | 10.67 | 0.710 | 18.03 | 3000           |
| OFR110A     | OFR110B | 9/16"-18          | 6                | 0.950 | 24.10 | 0.864 | 21.95 | 0.500 | 12.80 | 0.420 | 10.67 | 0.840 | 21.34 | 2500           |
| OFR120A     | OFR120B | 3/4"-16           | 8                | 1.160 | 29.30 | 1.067 | 27.10 | 0.670 | 17.00 | 0.430 | 10.92 | 0.930 | 23.62 | 1200           |
| OFR130A     | OFR130B | 7/8"-14           | 10               | 1.280 | 32.50 | 1.192 | 30.28 | 0.780 | 19.80 | 0.500 | 12.70 | 1.050 | 26.67 | 1200           |
| OFR140A     | OFR140B | 1-1/16"-12        | 12               | 1.580 | 40.10 | 1.489 | 37.82 | 0.960 | 24.40 | 0.570 | 14.48 | 1.150 | 29.21 | 1200           |
| OFR150A     | OFR150B | 1-5/16"-12        | 16               | 1.880 | 47.80 | 1.766 | 44.86 | 1.220 | 30.90 | 0.590 | 14.99 | 1.210 | 30.73 | 1000           |



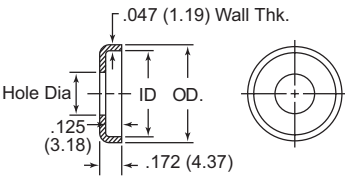
W Series Hose Washer Caps

Specifications

- Material: Refer to Chart
- Color: Refer to Chart

Features

- Applied on hose and tube ends in order to prevent them from sliding over the fittings



| Part Number | Hole Diameter |       | I.D.  |       | O.D.  |       | Color  | Material | Bulk Pack Qty. |
|-------------|---------------|-------|-------|-------|-------|-------|--------|----------|----------------|
|             | in            | mm    | in    | mm    | in    | mm    |        |          |                |
| W6A         | 0.320         | 8.13  | 0.589 | 14.96 | 0.685 | 17.40 | Yellow | LDPE     | 4750           |
| W6C         | 0.320         | 8.13  | 0.589 | 14.96 | 0.685 | 17.40 | Black  | TPE      | 4750           |
| W8A         | 0.445         | 11.30 | 0.760 | 19.30 | 0.860 | 21.84 | Yellow | LDPE     | 4000           |
| W8C         | 0.445         | 11.30 | 0.760 | 19.30 | 0.860 | 21.84 | Black  | TPE      | 4000           |
| W10A        | 0.575         | 14.61 | 0.870 | 22.10 | 0.968 | 24.59 | Yellow | LDPE     | 5000           |
| W10C        | 0.575         | 14.61 | 0.870 | 22.10 | 0.968 | 24.59 | Black  | TPE      | 5000           |
| W13A        | 0.700         | 17.78 | 1.040 | 26.42 | 1.141 | 28.98 | Yellow | LDPE     | 7000           |
| W13C        | 0.700         | 17.78 | 1.040 | 26.42 | 1.141 | 28.98 | Black  | TPE      | 6500           |
| W15A        | 0.828         | 21.03 | 1.165 | 29.59 | 1.266 | 32.16 | Yellow | LDPE     | 5000           |
| W15C        | 0.828         | 21.03 | 1.165 | 29.59 | 1.266 | 32.16 | Black  | TPE      | 5000           |
| W20A        | 1.050         | 26.67 | 1.300 | 33.02 | 1.400 | 35.56 | Yellow | LDPE     | 5000           |
| W20C        | 1.050         | 26.67 | 1.300 | 33.02 | 1.400 | 35.56 | Black  | TPE      | 5000           |



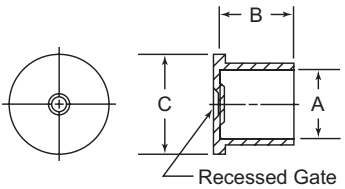
ECM Series Flanged Caps for Metric Threads

Specifications

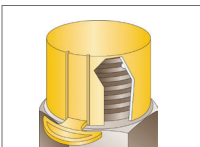
- Material: Low-Density Polyethylene
- Color: Natural

Features

- Designed for easy assembly and removal either with automated equipment or by hand
- Typically used to protect metric threads with or without O-Rings



| Part Number | To Cap Metric Thread | A     |       | B     |       | C     |       | Bulk Pack Qty. |
|-------------|----------------------|-------|-------|-------|-------|-------|-------|----------------|
|             |                      | in    | mm    | in    | mm    | in    | mm    |                |
| ECM10A      | M10                  | 0.385 | 9.78  | 0.382 | 9.70  | 0.689 | 17.50 | 8000           |
| ECM12A      | M12                  | 0.463 | 11.75 | 0.470 | 11.95 | 0.768 | 19.50 | 7000           |
| ECM14A      | M14                  | 0.540 | 13.72 | 0.470 | 11.95 | 0.846 | 21.50 | 5000           |
| ECM16A      | M16                  | 0.617 | 15.67 | 0.470 | 11.95 | 0.925 | 23.50 | 5000           |
| ECM18A      | M18                  | 0.696 | 17.68 | 0.470 | 11.95 | 1.004 | 25.50 | 3000           |
| ECM20A      | M20                  | 0.774 | 19.66 | 0.553 | 14.05 | 1.083 | 27.50 | 2500           |
| ECM22A      | M22                  | 0.855 | 21.72 | 0.553 | 14.05 | 1.161 | 29.50 | 3000           |
| ECM33A      | M33                  | 1.285 | 32.64 | 0.687 | 17.45 | 1.590 | 40.39 | 2000           |
| ECM38A      | M38                  | 1.481 | 37.62 | 0.748 | 19.00 | 1.751 | 44.50 | 1000           |
| ECM42A      | M42                  | 1.640 | 41.68 | 0.748 | 19.00 | 1.948 | 49.50 | 1000           |



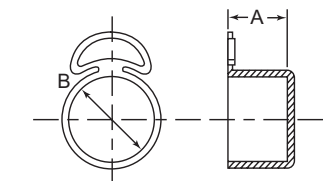
TSM Series Tear Tab Caps for Metric Threads

Specifications

- Material: Low-Density Polyethylene
- Color: Refer to Chart

Features

- Designed with a tear tab for easy removal
- Made to protect metric threads from damage but versatile enough to be used in numerous applications



| Part Number | To Cap Metric Thread | A     |       | B     |       | Color   | Bulk Pack Qty. |
|-------------|----------------------|-------|-------|-------|-------|---------|----------------|
|             |                      | in    | mm    | in    | mm    |         |                |
| TSM12A      | M12                  | 0.472 | 12.00 | 0.472 | 12.00 | Yellow  | 5000           |
| TSM14A      | M14                  | 0.551 | 14.00 | 0.555 | 14.10 | Yellow  | 5000           |
| TSM16A      | M16                  | 0.634 | 16.10 | 0.650 | 16.50 | Yellow  | 5000           |
| TSM18A      | M18                  | 0.709 | 18.00 | 0.709 | 18.00 | Yellow  | 4000           |
| TSM20B      | M20                  | 0.787 | 20.00 | 0.787 | 20.00 | Natural | 2000           |
| TSM22A      | M22                  | 0.866 | 22.00 | 0.866 | 22.00 | Yellow  | 2000           |



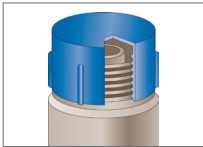
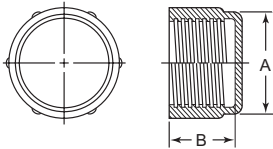
G Series UNF/JIC Threaded Caps for Flared/Flareless Fittings

Specifications

- Material: Low-Density Polyethylene
- Color: Blue

Features

- Threaded cap with rolled threads allows you to thread or push on for easy application
- Protects flared and flareless fittings against dirt, dents and moisture



See inside back cover for Application Wizards.

| Part Number | UNF/JIC Thread Size | Tubing Size In | JIC Fitting Size | A     |       | B     |       | Bulk Pack Qty. |
|-------------|---------------------|----------------|------------------|-------|-------|-------|-------|----------------|
|             |                     |                |                  | in    | mm    | in    | mm    |                |
| G1A         | 3/8"-24             | 3/16           | 3                | 0.437 | 11.11 | 0.469 | 11.91 | 5000           |
| G2A         | 7/16"-20            | 1/4            | 4                | 0.500 | 12.70 | 0.500 | 12.70 | 5000           |
| G3A         | 7/16"-24            | 1/4            | 4                | 0.500 | 12.70 | 0.313 | 7.94  | 4500           |
| G4A         | 1/2"-20             | 5/16           | 5                | 0.563 | 14.29 | 0.313 | 7.94  | 6500           |
| G5A         | 1/2"-20             | 5/16           | 5                | 0.563 | 14.29 | 0.500 | 12.70 | 4500           |
| G6A         | 1/2"-26             | —              | —                | 0.563 | 14.29 | 0.500 | 12.70 | 4250           |
| G7A         | 1/2"-20             | 5/16           | 5                | 0.563 | 14.29 | 0.875 | 22.23 | 5000           |
| G8A         | 9/16"-18            | 3/8            | 6                | 0.625 | 15.88 | 0.500 | 12.70 | 6500           |
| G9A         | 5/8"-18             | 3/8            | —                | 0.687 | 17.46 | 0.500 | 12.70 | 6000           |
| G11A        | 5/8"-18             | 3/8            | —                | 0.687 | 17.46 | 0.563 | 14.29 | 5000           |
| G12A        | 5/8"-18             | 3/8            | —                | 0.687 | 17.46 | 0.813 | 20.64 | 3500           |
| G13A        | 5/8"-24             | —              | —                | 0.687 | 17.46 | 0.375 | 9.53  | 4250           |
| G14A        | 3/4"-16             | 1/2            | 8                | 0.813 | 20.64 | 0.625 | 15.88 | 3500           |
| G15A        | 3/4"-18             | —              | —                | 0.813 | 20.64 | 0.906 | 23.02 | 2500           |

| Part Number | UNF/JIC Thread Size | Tubing Size In | JIC Fitting Size | A     |       | B     |       | Bulk Pack Qty. |
|-------------|---------------------|----------------|------------------|-------|-------|-------|-------|----------------|
|             |                     |                |                  | in    | mm    | in    | mm    |                |
| G16A        | 3/4"-20             | —              | —                | 0.813 | 20.64 | 0.437 | 11.11 | 5000           |
| G17A        | 7/8"-14             | 5/8            | 10               | 0.937 | 23.81 | 0.719 | 18.26 | 2400           |
| G18A        | 7/8"-14             | 5/8            | 10               | 0.937 | 23.81 | 1.000 | 25.40 | 3500           |
| G19A        | 7/8"-18             | —              | —                | 0.937 | 23.81 | 0.437 | 11.11 | 3500           |
| G20A        | 7/8"-18             | —              | —                | 0.937 | 23.81 | 0.781 | 19.84 | 4500           |
| G21A        | 1"-14               | —              | —                | 1.063 | 26.99 | 0.781 | 19.84 | 3500           |
| G22A        | 1-1/16"-12          | 3/4            | 12               | 1.125 | 28.58 | 0.813 | 20.64 | 3000           |
| G23A        | 1-1/16"-14          | 3/4            | —                | 1.125 | 28.58 | 0.813 | 20.64 | 3000           |
| G24A        | 1-1/16"-16          | —              | —                | 1.125 | 28.58 | 1.000 | 25.40 | 2500           |
| G25A        | 1-3/16"-12          | 7/8            | 14               | 1.250 | 31.75 | 0.937 | 23.81 | 2000           |
| G26A        | 1-1/4"-18           | —              | —                | 1.375 | 34.93 | 0.469 | 11.91 | 3500           |
| G27A        | 1-5/16"-12          | 1              | 16               | 1.375 | 34.93 | 0.875 | 22.23 | 2000           |
| G30A        | 1-5/8"-12           | 1-1/4          | 20               | 1.750 | 44.45 | 0.906 | 23.02 | 1200           |

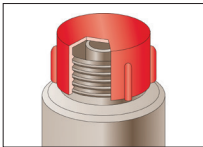
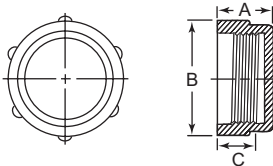
TCUNF Series UNF/JIC Threaded Caps

Specifications

- Material: Low-Density Polyethylene
- Color: Red

Features

- Protects threaded components from dust, moisture and damage during production, storage and shipment
- Designed with an easy to grip head for ease of hand installation

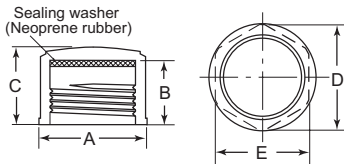


| Part Number | To Cap UNF/JIC Thread Size | Tubing Size In | JIC Fitting Size | A     |       | B     |       | C     |       | Bulk Pack Qty. |
|-------------|----------------------------|----------------|------------------|-------|-------|-------|-------|-------|-------|----------------|
|             |                            |                |                  | in    | mm    | in    | mm    | in    | mm    |                |
| 10251A      | 3/8" x 24                  | 3/16           | 3                | 0.327 | 8.30  | 0.433 | 11.00 | 0.157 | 4.00  | 5000           |
| 10332A      | 7/16" x 20                 | 1/4            | 4                | 0.508 | 12.90 | 0.524 | 13.30 | 0.315 | 8.00  | 5000           |
| 12652A      | 7/16" x 24                 | 1/4            | —                | 0.539 | 13.70 | 0.524 | 13.30 | 0.307 | 7.80  | 5000           |
| 10528A      | 1/2" x 20                  | 5/16           | 5                | 0.531 | 13.50 | 0.571 | 14.50 | 0.374 | 9.50  | 5000           |
| 11041A      | 9/16" x 18                 | 3/8            | 6                | 0.531 | 13.50 | 0.65  | 16.50 | 0.374 | 9.50  | 5000           |
| 10653A      | 5/8" x 18                  | 3/8            | —                | 0.614 | 15.60 | 0.717 | 18.20 | 0.295 | 7.50  | 5000           |
| 12847A      | 3/4" x 16                  | 1/2            | 8                | 0.543 | 13.80 | 0.854 | 21.70 | 0.374 | 9.50  | 4000           |
| 12825A      | 13/16" x 16                | —              | —                | 0.602 | 15.30 | 0.917 | 23.30 | 0.366 | 9.30  | 1250           |
| 11089A      | 7/8" x 14                  | 5/8            | 10               | 0.795 | 20.20 | 0.98  | 24.90 | 0.567 | 14.40 | 2500           |
| 12075A      | 7/8" x 18                  | —              | —                | 0.787 | 20.00 | 0.996 | 25.30 | 0.551 | 14.00 | 2500           |
| 12826A      | 1" x 14                    | —              | —                | 0.677 | 17.20 | 1.087 | 27.60 | 0.472 | 12.00 | 2500           |
| 10685A      | 1-1/16" x 12               | 3/4            | 12               | 0.748 | 19.00 | 1.157 | 29.40 | 0.433 | 11.00 | 2000           |
| 10163A      | 1-3/16" x 12               | 7/8            | 14               | 0.752 | 19.10 | 1.287 | 32.70 | 0.512 | 13.00 | 1500           |
| 10151A      | 1-5/16" x 12               | 1              | 16               | 0.874 | 22.20 | 1.433 | 36.40 | 0.571 | 14.50 | 1000           |
| 12654A      | 1-3/8" x 12                | —              | —                | 0.965 | 24.50 | 1.472 | 37.40 | 0.413 | 10.50 | 1000           |
| 10185A      | 1-7/16" x 12               | —              | —                | 0.854 | 21.70 | 1.531 | 38.90 | 0.598 | 15.20 | 1000           |
| 11053A      | 1-5/8" x 12                | 1-1/4          | 20               | 0.866 | 22.00 | 1.764 | 44.80 | 0.551 | 14.00 | 800            |
| 11804A      | 1-7/8" x 12                | 1-1/2          | 24               | 0.984 | 25.00 | 1.98  | 50.30 | 0.591 | 15.00 | 500            |

TCMETRIC Series Metric Threaded Caps

| Part Number | To Cap Metric Thread Size | A     |       | B     |       | C     |       | Bulk Pack Qty. |
|-------------|---------------------------|-------|-------|-------|-------|-------|-------|----------------|
|             |                           | in    | mm    | in    | mm    | in    | mm    |                |
| 12100A      | M8 x 1                    | 0.394 | 10.00 | 0.472 | 12.00 | 0.295 | 7.50  | 5000           |
| 12101A      | M10 x 1                   | 0.394 | 10.00 | 0.539 | 13.70 | 0.295 | 7.50  | 5000           |
| 12102A      | M12 x 1                   | 0.472 | 12.00 | 0.622 | 15.80 | 0.374 | 9.50  | 5000           |
| 12103A      | M12 x 1.5                 | 0.472 | 12.00 | 0.618 | 15.70 | 0.374 | 9.50  | 5000           |
| 12104A      | M14 x 1.5                 | 0.472 | 12.00 | 0.697 | 17.70 | 0.374 | 9.50  | 5000           |
| 12650A      | M14 x 1.5                 | 0.827 | 21.00 | 0.701 | 17.80 | 0.354 | 9.00  | 5000           |
| 12105A      | M16 x 1.5                 | 0.472 | 12.00 | 0.776 | 19.70 | 0.374 | 9.50  | 5000           |
| 12651A      | M16 x 1.5                 | 0.827 | 21.00 | 0.787 | 20.00 | 0.354 | 9.00  | 5000           |
| 12106A      | M18 x 1.5                 | 0.551 | 14.00 | 0.850 | 21.60 | 0.453 | 11.50 | 4000           |
| 12107A      | M20 x 1.5                 | 0.551 | 14.00 | 0.925 | 23.50 | 0.374 | 9.50  | 4000           |

| Part Number | To Cap Metric Thread Size | A     |       | B     |       | C     |       | Bulk Pack Qty. |
|-------------|---------------------------|-------|-------|-------|-------|-------|-------|----------------|
|             |                           | in    | mm    | in    | mm    | in    | mm    |                |
| 12108A      | M22 x 1.5                 | 0.543 | 13.80 | 1.024 | 26.00 | 0.453 | 11.50 | 3000           |
| 12845A      | M22 x 1.5                 | 0.965 | 24.50 | 1.024 | 26.00 | 0.689 | 17.50 | 2500           |
| 12109A      | M24 x 1.5                 | 0.551 | 14.00 | 1.142 | 29.00 | 0.453 | 11.50 | 3000           |
| 12110A      | M25 x 1.5                 | 0.551 | 14.00 | 1.122 | 28.50 | 0.453 | 11.50 | 2000           |
| 12111A      | M26 x 1.5                 | 0.551 | 14.00 | 1.181 | 30.00 | 0.453 | 11.50 | 2000           |
| 12967A      | M28 x 1.5                 | 0.488 | 12.40 | 1.260 | 32.00 | 0.551 | 14.00 | 2000           |
| 12122A      | M30 x 2                   | 0.453 | 11.50 | 1.339 | 34.00 | 0.610 | 15.50 | 1500           |
| 12123A      | M36 x 2                   | 0.630 | 16.00 | 1.587 | 40.30 | 0.531 | 13.50 | 1500           |
| 12124A      | M42 x 2                   | 0.630 | 16.00 | 1.831 | 46.50 | 0.531 | 13.50 | 500            |
| 12126A      | M52 x 2                   | 0.630 | 16.00 | 2.224 | 56.50 | 0.531 | 13.50 | 500            |



## TSC Series UNF/Metric Threaded Sealing Caps

Specifications

- Material: High Density Polyethylene
- Color: Yellow

Features

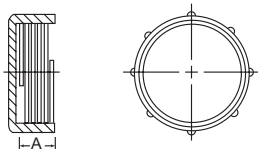
- The cap includes a neoprene sealing disk to limit fluid leakage
- The HDPE material reduces the potential of shearing
- The hexagonal head enables the cap to be applied or removed with a wrench or socket at low torques but it is recommended that you tighten them by hand

Unified Threads

| Part Number | To Cap Thread Size | A     |       | B     |       | C     |       | D     |       | E     |       | Bulk Pack Qty. |
|-------------|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------|
|             |                    | in    | mm    | in    | mm    | in    | mm    | in    | mm    | in    | mm    |                |
| TSC467054A  | 1/4 "- 28          | 0.393 | 10.00 | 0.452 | 11.50 | 0.531 | 13.50 | 0.346 | 8.80  | 0.314 | 8.00  | 500            |
| TSC467055A  | 3/8 "- 24          | 0.511 | 13.00 | 0.492 | 12.50 | 0.570 | 14.50 | 0.476 | 12.10 | 0.433 | 11.00 | 500            |
| TSC467056A  | 7/16 "- 24         | 0.610 | 15.50 | 0.492 | 12.50 | 0.570 | 14.50 | 0.562 | 14.30 | 0.511 | 13.00 | 500            |
| TSC467057A  | 7/16 "- 20         | 0.610 | 15.50 | 0.511 | 13.00 | 0.590 | 15.00 | 0.562 | 14.30 | 0.511 | 13.00 | 500            |
| TSC467058A  | 1/4 "- 28          | 0.689 | 17.50 | 0.511 | 13.00 | 0.590 | 15.00 | 0.649 | 16.50 | 0.590 | 15.00 | 500            |
| TSC467059A  | 9/16 "- 18         | 0.728 | 18.50 | 0.531 | 13.50 | 0.610 | 15.50 | 0.688 | 17.50 | 0.629 | 16.00 | 500            |
| TSC467060A  | 5/8 "- 18          | 0.826 | 21.00 | 0.531 | 13.50 | 0.610 | 15.50 | 0.775 | 19.70 | 0.708 | 18.00 | 500            |
| TSC467061A  | 3/4 "- 16          | 0.944 | 24.00 | 0.570 | 14.50 | 0.649 | 16.50 | 0.905 | 23.00 | 0.826 | 21.00 | 500            |
| TSC467062A  | 13/16 "- 16        | 1.043 | 26.50 | 0.570 | 14.50 | 0.649 | 16.50 | 0.992 | 25.20 | 0.905 | 23.00 | 500            |
| TSC467063A  | 7/8 "- 18          | 1.082 | 27.50 | 0.531 | 13.50 | 0.610 | 15.50 | 1.035 | 26.30 | 0.944 | 24.00 | 500            |
| TSC467064A  | 7/8 "- 14          | 1.082 | 27.50 | 0.610 | 15.50 | 0.688 | 17.50 | 1.035 | 26.30 | 0.944 | 24.00 | 250            |
| TSC467065A  | 1 "- 14            | 1.220 | 31.00 | 0.610 | 15.50 | 0.688 | 17.50 | 1.165 | 29.60 | 1.062 | 27.00 | 250            |
| TSC467066A  | 1-1/16 "- 12       | 1.358 | 34.50 | 0.649 | 16.50 | 0.728 | 18.50 | 1.295 | 32.90 | 1.181 | 30.00 | 250            |
| TSC467067A  | 1-3/16 "- 12       | 1.437 | 36.50 | 0.649 | 16.50 | 0.728 | 18.50 | 1.381 | 35.10 | 1.259 | 32.00 | 250            |
| TSC467068A  | 1-5/16 "- 12       | 1.614 | 41.00 | 0.649 | 16.50 | 0.728 | 18.50 | 1.555 | 39.50 | 1.417 | 36.00 | 250            |
| TSC467069A  | 1-3/8 "- 12        | 1.692 | 43.00 | 0.649 | 16.50 | 0.728 | 18.50 | 1.641 | 41.70 | 1.496 | 38.00 | 250            |
| TSC467070A  | 1-7/16 "- 12       | 1.791 | 45.50 | 0.649 | 16.50 | 0.728 | 18.50 | 1.728 | 43.90 | 1.574 | 40.00 | 250            |
| TSC467071A  | 1-5/8 "- 12        | 2.007 | 51.00 | 0.649 | 16.50 | 0.748 | 19.00 | 1.944 | 49.40 | 1.771 | 45.00 | 100            |
| TSC467072A  | 1-3/4 "- 16        | 2.145 | 54.50 | 0.570 | 14.50 | 0.669 | 17.00 | 2.070 | 52.60 | 1.889 | 48.00 | 100            |
| TSC467073A  | 1-7/8 "- 12        | 2.322 | 59.00 | 0.649 | 16.50 | 0.748 | 19.00 | 2.244 | 57.00 | 2.047 | 52.00 | 100            |

Metric Threads

| Item No.   | To Cap Thread Size | A     |       | B     |       | C     |       | D     |       | E     |       | Bulk Pack Qty. |
|------------|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------|
|            |                    | in    | mm    | in    | mm    | in    | mm    | in    | mm    | in    | mm    |                |
| TSC467033A | M8 x 1             | 0.472 | 12.00 | 0.433 | 11.00 | 0.511 | 13.00 | 0.433 | 11.00 | 0.393 | 10.00 | 500            |
| TSC467034A | M10 x 1            | 0.559 | 14.20 | 0.433 | 11.00 | 0.511 | 13.00 | 0.519 | 13.20 | 0.472 | 12.00 | 500            |
| TSC467035A | M12 x 1            | 0.649 | 16.50 | 0.433 | 11.00 | 0.511 | 13.00 | 0.606 | 15.40 | 0.551 | 14.00 | 500            |
| TSC467036A | M12 x 1.5          | 0.649 | 16.50 | 0.511 | 13.00 | 0.590 | 15.00 | 0.606 | 15.40 | 0.551 | 14.00 | 500            |
| TSC467037A | M14 x 1.5          | 0.728 | 18.50 | 0.511 | 13.00 | 0.590 | 15.00 | 0.689 | 17.50 | 0.629 | 16.00 | 500            |
| TSC467038A | M16 x 1.5          | 0.826 | 21.00 | 0.511 | 13.00 | 0.590 | 15.00 | 0.775 | 19.70 | 0.708 | 18.00 | 500            |
| TSC467039A | M18 x 1.5          | 0.905 | 23.00 | 0.511 | 13.00 | 0.590 | 15.00 | 0.862 | 21.90 | 0.787 | 20.00 | 500            |
| TSC467040A | M20 x 1.5          | 0.984 | 25.00 | 0.511 | 13.00 | 0.590 | 15.00 | 0.948 | 24.10 | 0.866 | 22.00 | 500            |
| TSC467041A | M22 x 1.5          | 1.082 | 27.50 | 0.511 | 13.00 | 0.590 | 15.00 | 1.035 | 26.30 | 0.944 | 24.00 | 250            |
| TSC467042A | M24 x 1.5          | 1.181 | 30.00 | 0.511 | 13.00 | 0.590 | 15.00 | 1.122 | 28.50 | 1.023 | 26.00 | 250            |
| TSC467043A | M25 x 1.5          | 1.220 | 31.00 | 0.511 | 13.00 | 0.590 | 15.00 | 1.165 | 29.60 | 1.063 | 27.00 | 250            |
| TSC467044A | M26 x 1.5          | 1.259 | 32.00 | 0.511 | 13.00 | 0.590 | 15.00 | 1.208 | 30.70 | 1.102 | 28.00 | 250            |
| TSC467045A | M28 x 1.5          | 1.338 | 34.00 | 0.511 | 13.00 | 0.590 | 15.00 | 1.295 | 32.90 | 1.181 | 30.00 | 250            |
| TSC467046A | M30 x 1.5          | 1.437 | 36.50 | 0.511 | 13.00 | 0.590 | 15.00 | 1.381 | 35.10 | 1.259 | 32.00 | 250            |
| TSC467047A | M30 x 2            | 1.437 | 36.50 | 0.590 | 15.00 | 0.669 | 17.00 | 1.381 | 35.10 | 1.259 | 32.00 | 250            |
| TSC467048A | M36 x 1.5          | 1.752 | 44.50 | 0.551 | 14.00 | 0.629 | 16.00 | 1.685 | 42.80 | 1.535 | 39.00 | 100            |
| TSC467049A | M36 x 2            | 1.752 | 44.50 | 0.629 | 16.00 | 0.708 | 18.00 | 1.685 | 42.80 | 1.535 | 39.00 | 100            |
| TSC467050A | M42 x 2            | 2.007 | 51.00 | 0.629 | 16.00 | 0.728 | 18.50 | 1.944 | 49.40 | 1.771 | 45.00 | 100            |
| TSC467051A | M45 x 1.5          | 2.145 | 54.50 | 0.551 | 14.00 | 0.649 | 16.50 | 2.070 | 52.60 | 1.889 | 48.00 | 100            |
| TSC467052A | M45 x 2            | 2.145 | 54.50 | 0.629 | 16.00 | 0.728 | 18.50 | 2.070 | 52.60 | 1.889 | 48.00 | 100            |
| TSC467053A | M52 x 2            | 2.440 | 62.00 | 0.629 | 16.00 | 0.728 | 18.50 | 2.374 | 60.30 | 2.165 | 55.00 | 100            |



DC Series UNJ/UNJS Threaded Caps

Specifications

- Material: High Density Polyethylene
- Color: Black

Features

- Protects threaded components from dust, moisture and damage during production, storage and shipment
- Designed with an easy to grip head for ease of hand installation
- Threads meet UNJ and UNJS specifications

| Item No. | To Cap UNJ/ UNJS Thread Size | Tubing Size In | A     |      | Bulk Pack Qty. |
|----------|------------------------------|----------------|-------|------|----------------|
|          |                              |                | in    | mm   |                |
| DC3A     | 3/8"-28                      | 3/16           | 0.200 | 5.08 | 5000           |
| DC4A     | 7/16"-24                     | 1/4            | 0.240 | 6.1  | 5000           |
| DC5A     | 1/2"-24                      | 5/16           | 0.240 | 6.1  | 5000           |
| DC6A     | 9/16"-20                     | 3/8            | 0.260 | 6.6  | 5000           |
| DC8A     | 23/32"-20                    | 1/2            | 0.270 | 6.86 | 5000           |
| DC10A    | 27/32"-18                    | 5/8            | 0.340 | 8.64 | 5000           |
| DC12A    | 1"-16                        | 3/4            | 0.380 | 9.65 | 2500           |

| Item No. | To Cap UNJ/ UNJS Thread Size | Tubing Size In | A     |       | Bulk Pack Qty. |
|----------|------------------------------|----------------|-------|-------|----------------|
|          |                              |                | in    | mm    |                |
| DC14A    | 1-1/8"-16                    | 7/8            | 0.400 | 10.16 | 2500           |
| DC16A    | 1-1/4"-14                    | 1              | 0.430 | 10.92 | 2000           |
| DC20A    | 1-33/64"-14                  | 1-1/4          | 0.430 | 10.92 | 1500           |
| DC21SA   | 1-37/64"-14                  | 1-1/4          | 0.430 | 10.92 | 1500           |
| DC24A    | 1-25/32"-14                  | 1-1/2          | 0.500 | 12.70 | 1000           |
| DC25SA   | 1-27/32"-14                  | 1-1/2          | 0.500 | 12.70 | 1000           |

Numbered Series Tapered Plugs

Specifications

- Material: Low Density Polyethylene
- Color: Refer to Chart

Features

- The tapered design allows the part to plug multiple inner diameters or cap multiple outside diameters
- Protects against damage, dirt, moisture and corrosion during storage and shipping



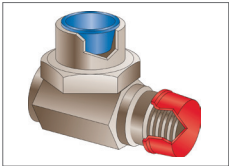
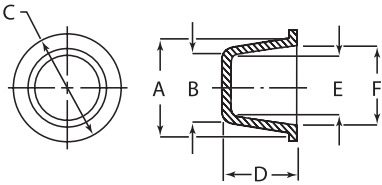
**To Assure Proper Fit:**

 **Plugs**

Plug dimension "A" should be approx. 1% larger than the inner diameter of the part.  
Minimum of .020"

 **Caps**

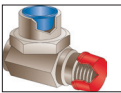
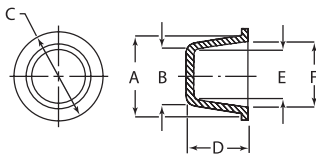
Cap dimension "E" should be approx. 1% smaller than the outside diameter of the part.  
Minimum of .020"



See inside back cover for Application Wizards.

| Part Number |         | Use as a Plug |       |       |       |       |       |       |       | Use as a Cap |       |       |       | Bulk Pack Qty. |
|-------------|---------|---------------|-------|-------|-------|-------|-------|-------|-------|--------------|-------|-------|-------|----------------|
|             |         | A             |       | B     |       | C     |       | D     |       | E            |       | F     |       |                |
| blue        | red     | in            | mm    | in    | mm    | in    | mm    | in    | mm    | in           | mm    | in    | mm    |                |
| 001A        | —       | 0.180         | 4.57  | 0.115 | 2.92  | 0.313 | 7.94  | 0.406 | 10.32 | 0.051        | 1.30  | 0.118 | 3.00  | 5000           |
| 001-SA      | —       | 0.180         | 4.57  | 0.138 | 3.51  | 0.310 | 7.87  | 0.250 | 6.35  | 0.051        | 1.30  | 0.118 | 3.00  | 5000           |
| 1000A       | —       | 0.205         | 5.21  | 0.145 | 3.68  | 0.410 | 10.41 | 0.410 | 10.41 | 0.079        | 2.01  | 0.150 | 3.81  | 5000           |
| 002A        | 002C    | 0.240         | 6.10  | 0.175 | 4.45  | 0.375 | 9.53  | 0.375 | 9.53  | 0.109        | 2.77  | 0.175 | 4.45  | 5000           |
| 003A        | —       | 0.268         | 6.81  | 0.209 | 5.31  | 0.375 | 9.53  | 0.375 | 9.53  | 0.127        | 3.23  | 0.193 | 4.90  | 5000           |
| 003WA       | —       | 0.274         | 6.95  | 0.200 | 5.08  | 0.594 | 15.08 | 0.375 | 9.53  | 0.150        | 3.81  | 0.220 | 5.58  | 5000           |
| 004A        | 004B    | 0.275         | 6.99  | 0.209 | 5.31  | 0.438 | 11.11 | 0.375 | 9.53  | 0.150        | 3.81  | 0.209 | 5.31  | 5000           |
| 005A        | 005B    | 0.302         | 7.67  | 0.240 | 6.10  | 0.469 | 11.91 | 0.375 | 9.53  | 0.175        | 4.45  | 0.240 | 6.10  | 5000           |
| 006A        | 006B    | 0.335         | 8.51  | 0.265 | 6.73  | 0.469 | 11.91 | 0.375 | 9.53  | 0.204        | 5.18  | 0.275 | 6.99  | 5000           |
| 007A        | 007B    | 0.365         | 9.27  | 0.300 | 7.62  | 0.531 | 13.49 | 0.375 | 9.53  | 0.234        | 5.94  | 0.301 | 7.65  | 5000           |
| 007WA       | —       | 0.365         | 9.27  | 0.300 | 7.62  | 0.680 | 17.27 | 0.375 | 9.53  | 0.234        | 5.94  | 0.301 | 7.65  | 5000           |
| 007SA       | —       | 0.365         | 9.27  | 0.330 | 8.38  | 0.500 | 12.70 | 0.219 | 5.56  | 0.266        | 6.76  | 0.301 | 7.65  | 5000           |
| 008A        | 008C    | 0.398         | 10.11 | 0.330 | 8.38  | 0.563 | 14.29 | 0.375 | 9.53  | 0.275        | 6.99  | 0.330 | 8.38  | 5000           |
| 009A        | 009C    | 0.428         | 10.87 | 0.360 | 9.14  | 0.594 | 15.08 | 0.375 | 9.53  | 0.299        | 7.59  | 0.365 | 9.27  | 5000           |
| 010A        | 010B    | 0.460         | 11.68 | 0.390 | 9.91  | 0.625 | 15.88 | 0.375 | 9.53  | 0.325        | 8.26  | 0.396 | 10.06 | 5000           |
| 011A        | 011B    | 0.485         | 12.32 | 0.420 | 10.67 | 0.594 | 15.08 | 0.375 | 9.53  | 0.356        | 9.04  | 0.421 | 10.69 | 5000           |
| 012A        | 012E    | 0.512         | 13.00 | 0.447 | 11.35 | 0.625 | 15.88 | 0.406 | 10.32 | 0.385        | 9.78  | 0.448 | 11.38 | 5000           |
| 013A        | 013C    | 0.547         | 13.89 | 0.490 | 12.45 | 0.719 | 18.26 | 0.500 | 12.70 | 0.409        | 10.39 | 0.485 | 12.32 | 5000           |
| 013SPA      | —       | 0.545         | 13.84 | 0.478 | 12.14 | 0.719 | 18.26 | 0.313 | 7.94  | 0.410        | 10.41 | 0.480 | 12.19 | 5000           |
| 013WA       | —       | 0.547         | 13.89 | 0.478 | 12.14 | 0.875 | 22.23 | 0.500 | 12.70 | 0.409        | 10.39 | 0.485 | 12.32 | 7000           |
| 014A        | 014C    | 0.568         | 14.43 | 0.500 | 12.70 | 0.750 | 19.05 | 0.438 | 11.11 | 0.435        | 11.05 | 0.503 | 12.78 | 5000           |
| 1015A       | —       | 0.576         | 14.63 | 0.500 | 12.70 | 0.720 | 18.29 | 0.470 | 11.94 | 0.440        | 11.18 | 0.516 | 13.11 | 5000           |
| —           | 015A    | 0.594         | 15.09 | 0.504 | 12.80 | 0.728 | 18.49 | 0.949 | 24.10 | 0.421        | 10.69 | 0.520 | 13.21 | 4000           |
| 016A        | 016D    | 0.620         | 15.75 | 0.531 | 13.49 | 0.750 | 19.05 | 0.500 | 12.70 | 0.468        | 11.89 | 0.555 | 14.10 | 7500           |
| 1020A       | —       | 0.612         | 15.54 | 0.554 | 14.07 | 0.750 | 19.05 | 0.340 | 8.64  | 0.490        | 12.45 | 0.551 | 14.00 | 5000           |
| 017A        | 017D    | 0.634         | 16.10 | 0.550 | 13.97 | 0.781 | 19.84 | 0.500 | 12.70 | 0.485        | 12.32 | 0.568 | 14.43 | 7500           |
| 018A        | 018E    | 0.675         | 17.15 | 0.580 | 14.99 | 0.875 | 22.23 | 0.531 | 13.49 | 0.520        | 13.21 | 0.605 | 15.37 | 5000           |
| 020A        | 020D    | 0.695         | 17.65 | 0.610 | 15.49 | 0.844 | 21.43 | 0.500 | 12.70 | 0.549        | 13.94 | 0.634 | 16.10 | 6000           |
| 021A        | 021B    | 0.728         | 18.49 | 0.641 | 16.28 | 0.875 | 22.23 | 0.500 | 12.70 | 0.575        | 14.61 | 0.665 | 16.89 | 5000           |
| 1025A       | —       | 0.694         | 17.63 | 0.669 | 16.99 | 0.750 | 19.05 | 0.220 | 5.59  | 0.613        | 15.57 | 0.638 | 16.21 | 5000           |
| 022A        | 022C    | 0.754         | 19.15 | 0.675 | 17.15 | 0.875 | 22.23 | 0.625 | 15.88 | 0.615        | 15.62 | 0.690 | 17.53 | 4000           |
| 023A        | 023C    | 0.785         | 19.94 | 0.690 | 17.53 | 0.938 | 23.81 | 0.625 | 15.88 | 0.625        | 15.88 | 0.724 | 18.39 | 4000           |
| 024A        | —       | 0.805         | 20.45 | 0.750 | 19.05 | 0.860 | 21.84 | 0.190 | 4.83  | 0.688        | 17.48 | 0.743 | 18.87 | 7500           |
| 026A        | 026C    | 0.825         | 20.96 | 0.725 | 18.42 | 1.000 | 25.40 | 0.500 | 12.70 | 0.662        | 16.81 | 0.760 | 19.30 | 4000           |
| 026-LA      | —       | 0.825         | 20.96 | 0.725 | 18.42 | 0.970 | 24.64 | 0.590 | 14.99 | 0.662        | 16.81 | 0.760 | 19.30 | 8000           |
| 027A        | 027E    | 0.848         | 21.54 | 0.750 | 19.05 | 1.031 | 26.19 | 0.625 | 15.88 | 0.686        | 17.42 | 0.777 | 19.74 | 7000           |
| —           | 027AA   | 0.882         | 22.40 | 0.768 | 19.50 | 1.039 | 26.40 | 0.787 | 20.00 | 0.701        | 17.80 | 0.823 | 20.90 | 3000           |
| 028A        | 028D    | 0.910         | 23.11 | 0.802 | 20.37 | 1.094 | 27.78 | 0.750 | 19.05 | 0.725        | 18.42 | 0.846 | 21.49 | 5000           |
| 029A        | 029D    | 0.931         | 23.65 | 0.820 | 20.83 | 1.125 | 28.58 | 0.625 | 15.88 | 0.754        | 19.15 | 0.868 | 22.05 | 5500           |
| 030A        | 030C    | 0.973         | 24.71 | 0.856 | 21.74 | 1.125 | 28.58 | 0.750 | 19.05 | 0.768        | 19.51 | 0.906 | 23.01 | 4500           |
| 031A        | 031D    | 0.975         | 24.77 | 0.870 | 22.10 | 1.125 | 28.58 | 0.625 | 15.88 | 0.804        | 20.42 | 0.920 | 23.37 | 5000           |
| 035A        | 035D    | 1.040         | 26.42 | 0.895 | 22.73 | 1.140 | 29.37 | 0.750 | 19.05 | 0.832        | 21.13 | 0.975 | 24.77 | 4500           |
| 038A        | —       | 1.045         | 26.54 | 0.980 | 24.89 | 1.250 | 31.75 | 0.500 | 12.70 | 0.916        | 23.27 | 0.984 | 24.99 | 2500           |
| —           | 039A    | 1.059         | 26.90 | 0.945 | 24.00 | 1.220 | 31.00 | 0.748 | 19.00 | 0.862        | 21.90 | 0.984 | 24.99 | 2000           |
| 040A        | 040B    | 1.096         | 27.83 | 0.966 | 24.54 | 1.250 | 31.75 | 0.750 | 19.05 | 0.902        | 22.91 | 1.038 | 23.36 | 3500           |
| 041A        | 041C    | 1.145         | 29.08 | 1.002 | 25.45 | 1.313 | 33.34 | 0.750 | 19.05 | 0.938        | 23.83 | 1.079 | 27.41 | 3500           |
| —           | 041AA   | 1.161         | 29.50 | 0.969 | 24.60 | 1.339 | 34.00 | 1.134 | 28.80 | 0.886        | 22.50 | 1.083 | 27.50 | 1500           |
| —           | GPT643A | 1.215         | 30.86 | 1.094 | 27.79 | 1.375 | 34.93 | 0.750 | 19.05 | 1.031        | 26.19 | 1.152 | 29.26 | 2000           |
| 042A        | 042D    | 1.225         | 31.12 | 1.110 | 28.19 | 1.516 | 38.50 | 0.750 | 19.05 | 1.038        | 26.37 | 1.180 | 29.97 | 2500           |
| 044A        | 044D    | 1.292         | 32.81 | 1.165 | 29.59 | 1.420 | 36.10 | 0.750 | 19.05 | 1.090        | 27.69 | 1.205 | 30.61 | 2500           |
| 1035A       | —       | 1.310         | 33.27 | 0.840 | 21.34 | 1.430 | 36.32 | 1.090 | 27.69 | 0.777        | 19.74 | 1.247 | 31.67 | 2500           |
| 1040A       | —       | 1.284         | 32.61 | 1.175 | 29.85 | 1.670 | 42.42 | 0.750 | 19.10 | 1.113        | 28.27 | 1.222 | 31.04 | 2000           |
| 1050A       | —       | 1.312         | 33.32 | 1.276 | 32.41 | 1.380 | 35.05 | 0.560 | 14.22 | 1.155        | 29.34 | 1.190 | 30.23 | 2000           |
| 045A        | 045D    | 1.355         | 34.42 | 1.225 | 31.12 | 1.500 | 38.10 | 0.750 | 19.05 | 1.160        | 29.46 | 1.295 | 32.89 | 2500           |
| 046A        | 046B    | 1.350         | 34.29 | 1.235 | 31.37 | 1.500 | 38.10 | 0.750 | 19.05 | 1.140        | 28.96 | 1.295 | 32.89 | 2500           |
| 047A        | —       | 1.362         | 34.59 | 1.291 | 32.79 | 1.500 | 38.10 | 0.750 | 19.05 | 1.227        | 31.17 | 1.300 | 33.02 | 2000           |
| 1055A       | —       | 1.420         | 36.07 | 1.140 | 28.96 | 1.560 | 39.62 | 0.840 | 21.34 | 1.085        | 27.56 | 1.358 | 34.49 | 2500           |
| 048A        | 048D    | 1.455         | 39.96 | 1.291 | 32.79 | 1.625 | 41.28 | 1.000 | 25.40 | 1.227        | 31.17 | 1.391 | 35.33 | 1500           |
| 049A        | 049B    | 1.470         | 37.34 | 1.311 | 33.30 | 1.625 | 41.28 | 0.750 | 19.05 | 1.249        | 31.72 | 1.400 | 35.56 | 2000           |
| 051A        | 051E    | 1.517         | 38.53 | 1.344 | 34.14 | 1.750 | 44.45 | 0.938 | 23.81 | 1.282        | 32.56 | 1.460 | 36.83 | 1500           |
| —           | 052A    | 1.583         | 40.21 | 1.413 | 35.89 | 1.736 | 44.09 | 1.004 | 25.50 | 1.307        | 33.20 | 1.476 | 37.49 | 1000           |
| 053A        | 053C    | 1.600         | 40.64 | 1.450 | 36.83 | 1.750 | 44.45 | 0.750 | 19.05 | 1.385        | 35.18 | 1.535 | 38.99 | 2000           |
| 054A        | 054D    | 1.602         | 40.69 | 1.520 | 38.61 | 1.780 | 45.21 | 0.750 | 19.05 | 1.456        | 36.98 | 1.537 | 39.04 | 1700           |
| K5A         | —       | 1.525         | 38.74 | 1.525 | 38.74 | 1.713 | 43.51 | 0.500 | 12.70 | 1.445        | 36.70 | 1.445 | 36.70 | 2500           |
| 055A        | 055E    | 1.673         | 42.49 | 1.560 | 39.62 | 1.875 | 47.63 | 0.750 | 19.05 | 1.497        | 38.02 | 1.620 | 41.15 | 1500           |
| 056A        | 056C    | 1.750         | 44.45 | 1.606 | 40.79 | 1.938 | 49.21 | 0.750 | 19.05 | 1.568        | 39.83 | 1.685 | 42.80 | 1500           |
| 1065A       | —       | 1.850         | 46.99 | 1.720 | 43.69 | 2.030 | 51.56 | 0.750 | 19.05 | 1.664        | 42.27 | 1.794 | 45.57 | 3500           |
| 057A        | 057C    | 1.870         | 47.50 | 1.735 | 44.07 | 2.031 | 51.60 | 0.750 | 19.05 | 1.675        | 42.55 | 1.820 | 46.23 | 1200           |

Numbered Series Tapered Plugs (continued)



See inside back cover for Application Wizards.

**To Assure Proper Fit:**

**Plugs**  
Plug dimension "A" should be approx. 1% larger than the inner diameter of the part.  
Minimum of .020"

**Caps**  
Cap dimension "E" should be approx. 1% smaller than the outside diameter of the part.  
Minimum of .020"

| Part Number |         | Use as a Plug |        |       |        |       |        | Use as a Cap |       |       |        |       |        | Bulk Pack Qty. |
|-------------|---------|---------------|--------|-------|--------|-------|--------|--------------|-------|-------|--------|-------|--------|----------------|
|             |         | A             |        | B     |        | C     |        | D            |       | E     |        | F     |        |                |
| blue        | red     | in            | mm     | in    | mm     | in    | mm     | in           | mm    | in    | mm     | in    | mm     |                |
| 1070A       | —       | 1.900         | 48.26  | 1.440 | 36.58  | 2.060 | 52.32  | 1.310        | 33.27 | 1.378 | 35.00  | 1.833 | 46.56  |                |
| —           | 057AB   | 1.913         | 48.60  | 1.709 | 43.41  | 2.102 | 53.40  | 1.004        | 25.50 | 1.622 | 41.20  | 1.850 | 46.99  |                |
| 058A        | 058B    | 1.958         | 49.73  | 1.806 | 45.87  | 2.125 | 53.98  | 1.000        | 25.40 | 1.745 | 44.32  | 1.893 | 48.08  |                |
| 059A        | 059B    | 1.825         | 46.36  | 1.800 | 45.72  | 2.031 | 51.59  | 0.500        | 12.70 | 1.736 | 44.09  | 1.760 | 44.70  |                |
| 1075A       | —       | 1.975         | 50.17  | 1.865 | 47.37  | 2.380 | 60.45  | 0.670        | 17.02 | 1.785 | 45.34  | 1.895 | 48.13  |                |
| 060A        | 060B    | 2.020         | 51.31  | 1.846 | 46.89  | 2.125 | 53.98  | 1.000        | 25.40 | 1.785 | 45.34  | 1.938 | 49.23  |                |
| 061A        | —       | 2.160         | 54.86  | 1.740 | 44.20  | 2.310 | 58.67  | 1.210        | 30.73 | 1.668 | 42.37  | 2.093 | 53.16  |                |
| 1080A       | —       | 2.065         | 52.45  | 1.950 | 49.53  | 2.200 | 55.88  | 0.750        | 19.05 | 1.885 | 47.88  | 2.000 | 50.80  |                |
| 062A        | 062B    | 2.085         | 52.96  | 1.902 | 48.31  | 2.250 | 57.15  | 1.000        | 25.40 | 1.839 | 46.71  | 2.015 | 51.18  |                |
| 063A        | 063C    | 2.168         | 55.07  | 1.980 | 50.29  | 2.250 | 57.15  | 1.000        | 25.40 | 1.915 | 48.64  | 2.110 | 53.59  |                |
| 064A        | —       | 2.310         | 58.67  | 1.940 | 49.28  | 2.470 | 62.74  | 0.880        | 22.35 | 1.875 | 47.63  | 2.255 | 57.28  |                |
| 1085A       | —       | 2.100         | 53.34  | 2.020 | 51.31  | 2.590 | 65.79  | 0.380        | 9.65  | 2.060 | 52.32  | 2.140 | 54.36  |                |
| 065A        | 065B    | 2.146         | 54.51  | 2.016 | 51.21  | 2.313 | 58.74  | 0.750        | 19.05 | 1.955 | 49.66  | 2.083 | 52.91  |                |
| 066A        | —       | 2.253         | 57.23  | 2.062 | 52.37  | 2.438 | 61.91  | 1.031        | 26.20 | 2.000 | 50.80  | 2.175 | 55.25  |                |
| 067A        | 067B    | 2.355         | 59.82  | 2.156 | 54.76  | 2.625 | 66.68  | 1.000        | 25.40 | 2.084 | 52.93  | 2.288 | 58.12  |                |
| 068A        | 068C    | 2.279         | 57.90  | 2.224 | 56.50  | 2.500 | 63.50  | 0.500        | 12.70 | 2.150 | 54.60  | 2.221 | 56.41  |                |
| 069A        | —       | 2.400         | 60.96  | 2.280 | 57.91  | 2.800 | 71.12  | 0.750        | 19.05 | 2.216 | 56.29  | 2.336 | 59.33  |                |
| 070A        | 070B    | 2.425         | 61.60  | 2.128 | 54.05  | 2.500 | 63.50  | 1.000        | 25.40 | 2.045 | 51.94  | 2.370 | 60.20  |                |
| 071A        | 071C    | 2.485         | 63.12  | 2.300 | 58.42  | 2.625 | 66.68  | 1.000        | 25.40 | 2.235 | 56.77  | 2.400 | 60.96  |                |
| 072A        | —       | 2.464         | 62.59  | 2.300 | 58.42  | 2.660 | 67.56  | 0.750        | 19.05 | 2.220 | 56.39  | 2.383 | 60.53  |                |
| 073A        | 073E    | 2.605         | 66.17  | 2.395 | 60.83  | 2.625 | 66.68  | 1.000        | 25.40 | 2.331 | 59.21  | 2.541 | 64.54  |                |
| 074A        | —       | 2.645         | 67.18  | 2.428 | 61.67  | 2.750 | 69.85  | 0.750        | 19.05 | 2.420 | 61.47  | 2.580 | 65.53  |                |
| 075A        | —       | 2.650         | 67.31  | 2.311 | 58.70  | 2.750 | 69.85  | 1.000        | 25.40 | 2.245 | 57.02  | 2.585 | 65.66  |                |
| 076A        | 076C    | 2.750         | 69.85  | 2.457 | 62.41  | 2.875 | 73.03  | 1.000        | 25.40 | 2.392 | 60.76  | 2.685 | 68.20  |                |
| 077A        | 077B    | 2.690         | 68.33  | 2.560 | 65.02  | 2.875 | 73.03  | 0.750        | 19.05 | 2.500 | 63.50  | 2.625 | 66.68  |                |
| 078A        | 078C    | 2.805         | 71.25  | 2.645 | 67.18  | 3.000 | 76.20  | 0.500        | 12.70 | 2.580 | 65.53  | 2.725 | 69.22  |                |
| 080A        | —       | 2.870         | 72.90  | 2.706 | 68.73  | 3.060 | 77.72  | 0.720        | 18.29 | 2.625 | 66.68  | 2.789 | 70.84  |                |
| 081A        | 081B    | 3.000         | 76.20  | 2.720 | 69.09  | 3.125 | 79.38  | 1.000        | 25.40 | 2.626 | 66.70  | 2.950 | 74.93  |                |
| 082A        | 082C    | 2.980         | 75.69  | 2.850 | 72.39  | 3.250 | 82.55  | 0.750        | 19.05 | 2.785 | 70.74  | 2.920 | 74.17  |                |
| 083A        | 083B    | 3.158         | 80.21  | 2.995 | 76.07  | 3.375 | 85.73  | 0.500        | 12.70 | 2.915 | 74.04  | 3.098 | 78.69  |                |
| —           | GPT684A | 3.200         | 81.28  | 3.030 | 76.96  | 3.594 | 91.28  | 0.810        | 20.57 | 2.880 | 73.15  | 3.070 | 77.98  |                |
| 085A        | 085C    | 3.245         | 82.42  | 2.980 | 75.69  | 3.375 | 85.73  | 1.000        | 25.40 | 2.900 | 73.66  | 3.165 | 80.39  |                |
| 086A        | 086D    | 3.365         | 85.47  | 3.090 | 78.49  | 3.500 | 88.90  | 1.000        | 25.40 | 3.005 | 76.33  | 3.285 | 83.44  |                |
| 087A        | 087B    | 3.450         | 87.63  | 3.319 | 84.30  | 3.625 | 92.08  | 0.500        | 12.70 | 3.239 | 82.27  | 3.371 | 85.62  |                |
| 088A        | 088B    | 3.575         | 90.81  | 3.236 | 82.19  | 3.938 | 100.01 | 1.000        | 25.40 | 3.156 | 80.16  | 3.494 | 88.75  |                |
| —           | GPT689A | 3.585         | 91.06  | 3.455 | 87.76  | 3.938 | 100.01 | 0.750        | 19.05 | 3.365 | 85.47  | 3.520 | 89.41  |                |
| 089A        | 089C    | 3.600         | 91.44  | 3.465 | 88.01  | 3.875 | 98.43  | 0.812        | 20.62 | 3.405 | 86.49  | 3.540 | 89.22  |                |
| K851A       | —       | 3.750         | 95.25  | 3.552 | 90.22  | 4.000 | 101.60 | 1.000        | 25.40 | 3.478 | 88.34  | 3.676 | 93.37  |                |
| 090A        | 090C    | 3.800         | 96.52  | 3.675 | 93.35  | 4.000 | 101.60 | 0.750        | 19.05 | 3.605 | 91.57  | 3.730 | 94.74  |                |
| —           | GPT691A | 3.900         | 99.06  | 3.800 | 96.52  | 4.500 | 114.30 | 0.438        | 11.11 | 3.600 | 91.44  | 3.700 | 93.98  |                |
| 091A        | —       | 3.925         | 99.70  | 3.800 | 96.52  | 4.125 | 104.78 | 0.688        | 17.46 | 3.715 | 94.36  | 3.845 | 97.66  |                |
| 092A        | 092C    | 4.070         | 103.38 | 3.915 | 99.45  | 4.375 | 111.13 | 0.781        | 19.84 | 3.810 | 96.77  | 3.980 | 101.09 |                |
| 093A        | 093B    | 4.190         | 106.43 | 4.030 | 102.36 | 4.500 | 114.30 | 0.750        | 19.05 | 3.950 | 100.33 | 4.110 | 104.39 |                |
| —           | GPT690A | 4.331         | 110.01 | 4.050 | 102.87 | 4.625 | 117.48 | 1.250        | 31.75 | 3.970 | 100.84 | 4.230 | 107.44 |                |
| —           | GPT692A | 4.430         | 112.52 | 4.270 | 108.46 | 4.875 | 123.83 | 0.875        | 22.23 | 4.180 | 106.17 | 4.340 | 110.24 |                |
| 094A        | 094B    | 4.445         | 112.90 | 4.215 | 107.06 | 4.875 | 123.83 | 1.000        | 25.40 | 4.135 | 105.03 | 4.380 | 111.25 |                |
| 095A        | 095C    | 4.605         | 116.97 | 4.365 | 110.87 | 5.000 | 127.00 | 1.000        | 25.40 | 4.289 | 108.95 | 4.500 | 114.30 |                |
| 096A        | 096B    | 4.850         | 123.19 | 4.640 | 117.86 | 5.250 | 133.35 | 0.910        | 23.11 | 4.570 | 116.08 | 4.780 | 121.41 |                |
| 1090A       | —       | 4.970         | 126.24 | 4.790 | 121.67 | 5.380 | 136.65 | 1.030        | 26.16 | 4.710 | 119.63 | 4.890 | 124.21 |                |
| —           | 097A    | 5.039         | 128.00 | 4.882 | 124.00 | 5.276 | 134.00 | 0.965        | 24.50 | 4.764 | 121.00 | 4.921 | 125.00 |                |
| —           | GPT694A | 5.071         | 128.80 | 4.986 | 126.64 | 5.188 | 131.76 | 0.500        | 12.70 | 4.854 | 123.29 | 4.978 | 126.44 |                |
| 1100A       | 1100B   | 5.090         | 129.29 | 4.910 | 124.71 | 5.500 | 139.70 | 1.030        | 26.16 | 4.830 | 122.68 | 5.010 | 127.25 |                |
| 1110A       | —       | 5.200         | 132.08 | 4.990 | 126.75 | 5.630 | 143.00 | 1.030        | 26.16 | 4.920 | 124.97 | 5.100 | 129.54 |                |
| —           | 098A    | 5.319         | 135.00 | 5.071 | 128.80 | 5.492 | 139.50 | 1.496        | 38.00 | 4.882 | 124.00 | 5.197 | 132.00 |                |
| 099A        | —       | 5.360         | 136.14 | 5.180 | 131.57 | 5.880 | 149.35 | 1.030        | 26.16 | 5.110 | 129.79 | 5.290 | 134.37 |                |
| 100A        | 100B    | 5.490         | 139.45 | 5.330 | 135.38 | 5.880 | 149.35 | 0.910        | 23.11 | 5.210 | 132.33 | 5.370 | 136.40 |                |
| 101A        | 101B    | 5.620         | 142.75 | 5.470 | 138.94 | 6.130 | 155.70 | 1.000        | 25.40 | 5.390 | 136.91 | 5.540 | 140.72 |                |
| 102A        | 102B    | 5.750         | 146.05 | 5.570 | 141.48 | 6.190 | 157.23 | 1.030        | 26.16 | 5.490 | 139.45 | 5.670 | 144.02 |                |
| 103A        | 103B    | 5.874         | 149.20 | 5.640 | 143.26 | 6.250 | 158.80 | 1.000        | 25.40 | 5.540 | 140.72 | 5.794 | 147.17 |                |
| K1249A      | —       | 5.906         | 150.01 | 5.551 | 141.00 | 6.460 | 164.08 | 1.000        | 25.40 | 5.433 | 138.00 | 5.827 | 148.01 |                |
| —           | 103AA   | 6.008         | 152.60 | 5.779 | 146.80 | 6.280 | 159.50 | 1.378        | 35.00 | 5.622 | 142.80 | 5.850 | 148.60 |                |
| 104A        | 104C    | 6.180         | 156.97 | 6.010 | 152.65 | 6.620 | 168.15 | 1.000        | 25.40 | 5.920 | 150.37 | 6.100 | 154.94 |                |
| —           | K1274A  | 6.357         | 161.47 | 6.050 | 153.67 | 7.043 | 178.89 | 1.165        | 29.69 | 5.984 | 152.00 | 6.299 | 160.00 |                |
| 106A        | 106B    | 6.560         | 166.62 | 6.400 | 162.56 | 6.940 | 176.28 | 0.900        | 22.86 | 6.330 | 160.78 | 6.480 | 164.59 |                |
| 108A        | 108B    | 6.710         | 170.43 | 6.610 | 167.89 | 7.190 | 182.63 | 1.530        | 38.86 | 6.530 | 165.86 | 6.630 | 168.40 |                |
| K436A       | —       | 7.030         | 178.56 | 6.880 | 174.75 | 7.670 | 194.82 | 0.530        | 13.46 | 6.800 | 172.72 | 6.950 | 176.53 |                |
| 110A        | 110B    | 7.120         | 180.85 | 7.050 | 177.07 | 7.630 | 193.80 | 1.030        | 26.16 | 6.970 | 177.04 | 7.040 | 178.82 |                |
| 112A        | —       | 7.650         | 194.31 | 7.340 | 186.44 | 7.940 | 201.68 | 1.030        | 26.16 | 7.260 | 184.40 | 7.560 | 192.02 |                |
| 114A        | —       | 7.840         | 199.14 | 7.660 | 194.56 | 8.120 | 206.25 | 1.031        | 26.19 | 7.580 | 192.53 | 7.760 | 197.10 |                |
| 116A        | 116B    | 8.140         | 206.76 | 7.970 | 202.44 | 8.380 | 212.85 | 1.031        | 26.19 | 7.880 | 200.15 | 8.050 | 204.47 |                |
| 118A        | —       | 8.350         | 212.09 | 8.150 | 207.01 | 8.750 | 222.25 | 1.406        | 35.71 | 8.050 | 204.47 | 8.250 | 209.55 |                |
| 120A        | 120B    | 8.600         | 218.44 | 8.400 | 213.36 | 9.000 | 228.60 | 1.406        | 35.71 | 8.300 | 210.82 | 8.500 | 215.90 |                |
| 124A        | —       | 8.730         | 221.74 | 8.670 | 220.22 | 9.130 | 231.90 | 1.531        | 38.89 | 8.550 | 217.17 | 8.625 | 219.08 |                |
| —           | K1275A  | 8.803         | 223.60 | 8.505 | 216.03 | 9.508 | 241.50 | 1.145        | 29.08 | 8.386 | 213.00 | 8.780 | 223.01 |                |
| 126A        | —       | 9.360         | 237.74 | 9.060 | 230.12 | 9.860 | 250.44 | 1.781        | 45.24 | 8.890 | 225.81 | 9.240 | 234.70 |                |
| 128A        | 128B    |               |        |       |        |       |        |              |       |       |        |       |        |                |

LF Series Wide Flange Plugs

Specifications

- Material: Low Density Polyethylene
- Color: Refer to Chart

Features

- Wider flange assures added protection on bearing surfaces
- Wider flange keeps plug from being accidentally pushed down through the mating part
- The tapered design allows the part to plug multiple inner diameters or cap multiple outside diameters



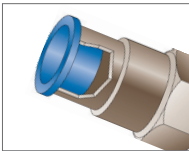
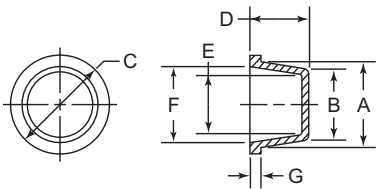
To Assure Proper Fit:

Plugs

Plug dimension "A" should be approx. 1% larger than the inner diameter of the part. Minimum of .020"

Caps

Cap dimension "E" should be approx. 1% smaller than the outside diameter of the part. Minimum of .020"

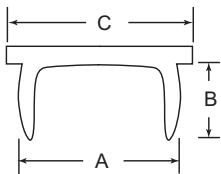


| Part Number | Use as a Plug |       |       |       |       |       |       |       | Use as a Cap |       |       |       |       |      | Color  | Bulk Pack Qty. |
|-------------|---------------|-------|-------|-------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|------|--------|----------------|
|             | A             |       | B     |       | C     |       | D     |       | E            |       | F     |       | G     |      |        |                |
| LF2A        | 0.240         | 6.10  | 0.173 | 4.39  | 0.562 | 14.27 | 0.465 | 11.81 | 0.111        | 2.82  | 0.177 | 4.50  | 0.090 | 2.29 | Blue   | 5500           |
| LF3A        | 0.290         | 7.37  | 0.236 | 5.99  | 0.485 | 12.32 | 0.402 | 10.21 | 0.146        | 3.71  | 0.245 | 6.22  | 0.090 | 2.29 | Blue   | 5000           |
| LF5A        | 0.374         | 9.50  | 0.307 | 7.80  | 0.724 | 18.39 | 0.404 | 10.26 | 0.248        | 6.30  | 0.303 | 7.70  | 0.030 | 0.76 | Red    | 5000           |
| LF6A        | 0.418         | 10.62 | 0.367 | 9.32  | 0.740 | 18.80 | 0.402 | 10.21 | 0.298        | 7.57  | 0.354 | 8.99  | 0.090 | 2.29 | Blue   | 5000           |
| LF7A        | 0.447         | 11.35 | 0.397 | 10.08 | 0.795 | 20.19 | 0.402 | 10.21 | 0.328        | 8.33  | 0.383 | 9.73  | 0.090 | 2.29 | Blue   | 5000           |
| LF8A        | 0.475         | 12.07 | 0.427 | 10.85 | 0.812 | 20.62 | 0.402 | 10.21 | 0.356        | 9.04  | 0.422 | 10.72 | 0.090 | 2.29 | Blue   | 4750           |
| LF9A        | 0.509         | 12.93 | 0.440 | 11.18 | 0.820 | 20.83 | 0.465 | 11.81 | 0.375        | 9.53  | 0.450 | 11.43 | 0.090 | 2.29 | Blue   | 7500           |
| LF10A       | 0.547         | 13.89 | 0.481 | 12.22 | 0.870 | 22.10 | 0.460 | 11.68 | 0.409        | 10.39 | 0.493 | 12.52 | 0.090 | 2.29 | Blue   | 7000           |
| LF11A       | 0.616         | 15.65 | 0.530 | 13.46 | 0.940 | 23.88 | 0.470 | 11.94 | 0.470        | 11.94 | 0.570 | 14.48 | 0.090 | 2.29 | Blue   | 5000           |
| LF11XA      | 0.631         | 16.03 | 0.565 | 14.35 | 0.950 | 24.13 | 0.491 | 12.47 | 0.500        | 12.70 | 0.580 | 14.73 | 0.090 | 2.29 | Blue   | 5000           |
| LF12A       | 0.659         | 16.74 | 0.580 | 14.99 | 0.983 | 24.97 | 0.527 | 13.39 | 0.518        | 13.16 | 0.605 | 15.37 | 0.090 | 2.29 | Blue   | 4500           |
| LF12XA      | 0.687         | 17.45 | 0.610 | 15.49 | 1.031 | 26.19 | 0.527 | 13.39 | 0.548        | 13.92 | 0.635 | 16.13 | 0.090 | 2.29 | Blue   | 4500           |
| LF13XA      | 0.710         | 18.03 | 0.655 | 16.64 | 1.062 | 26.97 | 0.528 | 13.41 | 0.585        | 14.86 | 0.647 | 16.43 | 0.090 | 2.29 | Yellow | 4000           |
| LF13A       | 0.725         | 18.42 | 0.628 | 15.95 | 1.062 | 26.97 | 0.528 | 13.41 | 0.558        | 14.17 | 0.667 | 16.94 | 0.090 | 2.29 | Yellow | 5000           |
| LF15A       | 0.775         | 19.69 | 0.690 | 17.53 | 1.125 | 28.58 | 0.559 | 14.20 | 0.620        | 15.75 | 0.721 | 18.31 | 0.090 | 2.29 | Blue   | 3500           |
| LF15XA      | 0.812         | 20.62 | 0.725 | 18.42 | 1.140 | 28.96 | 0.580 | 14.99 | 0.662        | 16.81 | 0.765 | 19.43 | 0.090 | 2.29 | Blue   | 3000           |
| LF16A       | 0.870         | 22.10 | 0.755 | 19.18 | 1.185 | 30.10 | 0.580 | 14.99 | 0.693        | 17.60 | 0.808 | 20.52 | 0.090 | 2.29 | Blue   | 3000           |
| LF17A       | 0.920         | 23.37 | 0.820 | 20.83 | 1.250 | 31.75 | 0.621 | 15.77 | 0.741        | 18.82 | 0.865 | 21.97 | 0.090 | 2.29 | Blue   | 2300           |
| LF18A       | 0.975         | 24.77 | 0.867 | 22.02 | 1.281 | 32.54 | 0.650 | 16.51 | 0.805        | 20.45 | 0.913 | 23.19 | 0.090 | 2.29 | Blue   | 4000           |
| LF19A       | 1.020         | 25.90 | 0.950 | 24.13 | 1.344 | 34.13 | 0.715 | 18.16 | 0.875        | 22.22 | 0.957 | 24.30 | 0.090 | 2.29 | Blue   | 1500           |
| LF20A       | 1.105         | 28.07 | 0.984 | 24.99 | 1.437 | 36.50 | 0.746 | 18.95 | 0.920        | 23.37 | 1.040 | 26.42 | 0.090 | 2.29 | Blue   | 3000           |
| LF21A       | 1.323         | 33.60 | 1.197 | 30.40 | 1.862 | 47.29 | 0.643 | 16.33 | 1.094        | 27.79 | 1.209 | 30.71 | 0.045 | 1.14 | Red    | 1400           |
| LF22A       | 1.382         | 35.10 | 1.237 | 31.42 | 1.687 | 42.85 | 0.746 | 18.95 | 1.167        | 29.64 | 1.312 | 33.32 | 0.090 | 2.29 | Blue   | 2000           |
| LF23XA      | 1.466         | 37.24 | 1.312 | 33.32 | 1.845 | 46.86 | 0.775 | 19.69 | 1.250        | 31.75 | 1.425 | 36.20 | 0.120 | 3.05 | Blue   | 1700           |
| LF24A       | 1.604         | 40.74 | 1.450 | 36.83 | 1.938 | 49.23 | 0.745 | 18.92 | 1.380        | 35.05 | 1.550 | 39.37 | 0.120 | 3.05 | Blue   | 1500           |
| LF26A       | 1.764         | 44.81 | 1.630 | 41.40 | 2.252 | 57.20 | 0.784 | 19.91 | 1.563        | 39.70 | 1.693 | 43.00 | 0.035 | 0.90 | Red    | 700            |
| LF28A       | 1.890         | 48.01 | 1.730 | 43.94 | 2.312 | 58.72 | 0.745 | 18.92 | 1.650        | 41.91 | 1.825 | 46.36 | 0.120 | 3.05 | Blue   | 1100           |
| LF30A       | 2.043         | 51.89 | 1.858 | 47.19 | 2.835 | 72.01 | 1.004 | 25.50 | 1.752        | 44.50 | 1.917 | 48.69 | 0.059 | 1.50 | Red    | 400            |
| LF32A       | 2.075         | 52.71 | 1.902 | 48.31 | 2.500 | 63.50 | 1.059 | 26.90 | 1.823        | 46.30 | 1.996 | 50.70 | 0.059 | 1.50 | Red    | 1000           |
| LF34A       | 2.130         | 54.10 | 2.028 | 51.51 | 2.626 | 66.70 | 0.768 | 19.50 | 1.953        | 49.61 | 2.047 | 51.99 | 0.039 | 1.00 | Red    | 500            |
| LF36A       | 2.402         | 61.01 | 2.146 | 54.51 | 3.012 | 76.50 | 1.024 | 26.00 | 2.055        | 52.20 | 2.323 | 59.00 | 0.039 | 1.00 | Red    | 300            |
| LF38A       | 2.614         | 66.40 | 2.441 | 62.00 | 3.267 | 83.00 | 1.152 | 29.26 | 2.323        | 59.00 | 2.531 | 64.30 | 0.050 | 1.27 | Red    | 250            |

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BP Series Barrel Plugs

Specifications

- Material: Low Density Polyethylene
- Color: Natural

Features

- General purpose plug for a wide range of applications
- Quick to fit and remove
- Convex sides to ensure a secure fit
- BP1012A has a domed head and parallel shank

See inside back cover for Application Wizards.

| Part Number | A     |        | B     |       | C     |        | Bulk Pack Qty. |
|-------------|-------|--------|-------|-------|-------|--------|----------------|
|             | in    | mm     | in    | mm    | in    | mm     |                |
| BP1000A     | 0.083 | 2.10   | 0.276 | 7.00  | 0.138 | 3.50   | 1000           |
| BP1002A     | 0.102 | 2.60   | 0.157 | 4.00  | 0.472 | 12.00  | 1000           |
| BP1004A     | 0.106 | 2.70   | 0.236 | 6.00  | 0.472 | 12.00  | 1000           |
| BP1006A     | 0.130 | 3.30   | 0.236 | 6.00  | 0.472 | 12.00  | 1000           |
| BP1008A     | 0.173 | 4.40   | 0.205 | 5.20  | 0.354 | 9.00   | 1000           |
| BP1010A     | 0.181 | 4.60   | 0.197 | 5.00  | 0.276 | 7.00   | 1000           |
| BP1012A     | 0.213 | 5.40   | 0.295 | 7.50  | 0.472 | 12.00  | 10000          |
| BP1014A     | 0.248 | 6.30   | 0.157 | 4.00  | 0.378 | 9.60   | 1000           |
| BP1018A     | 0.287 | 7.30   | 0.236 | 6.00  | 0.551 | 14.00  | 10000          |
| BP1020A     | 0.331 | 8.40   | 0.236 | 6.00  | 0.551 | 14.00  | 10000          |
| BP1022A     | 0.346 | 8.80   | 0.315 | 8.00  | 0.453 | 11.50  | 500            |
| BP1024A     | 0.366 | 9.30   | 0.354 | 9.00  | 0.472 | 12.00  | 500            |
| BP1026A     | 0.366 | 9.30   | 0.177 | 4.50  | 0.551 | 14.00  | 6000           |
| BP1028A     | 0.366 | 9.30   | 0.268 | 6.80  | 0.630 | 16.00  | 6000           |
| BP1030A     | 0.394 | 10.00  | 0.157 | 4.00  | 0.472 | 12.00  | 500            |
| BP1032A     | 0.394 | 10.00  | 0.354 | 9.00  | 0.591 | 15.00  | 500            |
| BP1034A     | 0.421 | 10.70  | 0.217 | 5.50  | 0.551 | 14.00  | 6000           |
| BP1036A     | 0.421 | 10.70  | 0.354 | 9.00  | 0.583 | 14.80  | 500            |
| BP1038A     | 0.445 | 11.30  | 0.217 | 5.50  | 0.567 | 14.40  | 1000           |
| BP1040A     | 0.469 | 11.90  | 0.276 | 7.00  | 0.630 | 16.00  | 5000           |
| BP1042A     | 0.484 | 12.30  | 0.276 | 7.00  | 0.630 | 16.00  | 5000           |
| BP1044A     | 0.504 | 12.80  | 0.307 | 7.80  | 0.787 | 20.00  | 5000           |
| BP1046A     | 0.539 | 13.70  | 0.276 | 7.00  | 0.736 | 18.70  | 1000           |
| 12787A      | 0.539 | 13.70  | 0.315 | 8.00  | 0.787 | 20.00  | 5000           |
| BP1050A     | 0.551 | 14.00  | 0.276 | 7.00  | 0.736 | 18.70  | 1000           |
| BP1052A     | 0.571 | 14.50  | 0.217 | 5.50  | 0.787 | 20.00  | 5000           |
| BP1054A     | 0.575 | 14.60  | 0.374 | 9.50  | 0.728 | 18.50  | 500            |
| BP1056A     | 0.591 | 15.00  | 0.276 | 7.00  | 0.736 | 18.70  | 1000           |
| BP1058A     | 0.614 | 15.60  | 0.315 | 8.00  | 0.787 | 20.00  | 5000           |
| BP1060A     | 0.650 | 16.50  | 0.276 | 7.00  | 0.736 | 18.70  | 1000           |
| 12790A      | 0.669 | 17.00  | 0.323 | 8.20  | 0.866 | 22.00  | 5000           |
| BP1064A     | 0.701 | 17.80  | 0.354 | 9.00  | 0.969 | 24.60  | 1000           |
| BP1066A     | 0.724 | 18.40  | 0.315 | 8.00  | 0.984 | 25.00  | 5000           |
| BP1068A     | 0.740 | 18.80  | 0.354 | 9.00  | 0.846 | 21.50  | 500            |
| 12792B      | 0.760 | 19.30  | 0.315 | 8.00  | 0.984 | 25.00  | 5000           |
| BP1072A     | 0.768 | 19.50  | 0.354 | 9.00  | 0.969 | 24.60  | 1000           |
| BP1074A     | 0.791 | 20.10  | 0.354 | 9.00  | 0.969 | 24.60  | 500            |
| BP1076A     | 0.807 | 20.50  | 0.354 | 9.00  | 1.004 | 25.50  | 250            |
| BP1078A     | 0.807 | 20.50  | 0.421 | 10.70 | 1.181 | 30.00  | 3000           |
| BP1080A     | 0.827 | 21.00  | 0.512 | 13.00 | 1.024 | 26.00  | 250            |
| BP1082A     | 0.835 | 21.20  | 0.295 | 7.50  | 0.984 | 25.00  | 5000           |
| BP1084A     | 0.854 | 21.70  | 0.315 | 8.00  | 0.984 | 25.00  | 4000           |
| BP1086A     | 0.882 | 22.40  | 0.354 | 9.00  | 1.102 | 28.00  | 4000           |
| BP1088A     | 0.906 | 23.00  | 0.760 | 19.30 | 1.079 | 27.40  | 100            |
| BP1090A     | 0.921 | 23.40  | 0.118 | 3.00  | 1.102 | 28.00  | 4000           |
| BP1092A     | 0.945 | 24.00  | 0.504 | 12.80 | 1.063 | 27.00  | 100            |
| BP1094A     | 0.969 | 24.60  | 0.354 | 9.00  | 1.102 | 28.00  | 3000           |
| BP1096A     | 0.976 | 24.80  | 0.236 | 6.00  | 1.240 | 31.50  | 100            |
| BP1098A     | 0.984 | 25.00  | 0.512 | 13.00 | 1.260 | 32.00  | 100            |
| BP1100A     | 1.004 | 25.50  | 0.295 | 7.50  | 1.102 | 28.00  | 3000           |
| BP1102A     | 1.043 | 26.50  | 0.354 | 9.00  | 1.102 | 28.00  | 4000           |
| BP1104A     | 1.063 | 27.00  | 0.591 | 15.00 | 1.165 | 29.60  | 100            |
| BP1106A     | 1.083 | 27.50  | 0.472 | 12.00 | 1.370 | 34.80  | 500            |
| BP1108A     | 1.126 | 28.60  | 0.591 | 15.00 | 1.339 | 34.00  | 100            |
| BP1110A     | 1.142 | 29.00  | 0.472 | 12.00 | 1.417 | 36.00  | 3000           |
| BP1112A     | 1.201 | 30.50  | 0.472 | 12.00 | 1.417 | 36.00  | 2500           |
| BP1114A     | 1.252 | 31.80  | 0.394 | 10.00 | 1.417 | 36.00  | 2000           |
| BP1116A     | 1.283 | 32.60  | 0.472 | 12.00 | 1.370 | 34.80  | 500            |
| BP1118A     | 1.319 | 33.50  | 0.472 | 12.00 | 1.417 | 36.00  | 2000           |
| BP1120A     | 1.319 | 33.50  | 0.472 | 12.00 | 1.614 | 41.00  | 100            |
| BP1122A     | 1.370 | 34.80  | 0.591 | 15.00 | 1.654 | 42.00  | 2000           |
| BP1124A     | 1.398 | 35.50  | 0.591 | 15.00 | 1.831 | 46.50  | 100            |
| BP1126A     | 1.437 | 36.50  | 0.591 | 15.00 | 1.654 | 42.00  | 1500           |
| BP1128A     | 1.480 | 37.60  | 0.472 | 12.00 | 1.591 | 40.40  | 500            |
| BP1130A     | 1.512 | 38.40  | 0.591 | 15.00 | 1.654 | 42.00  | 2000           |
| BP1132A     | 1.535 | 39.00  | 0.630 | 16.00 | 1.941 | 49.30  | 500            |
| BP1134A     | 1.598 | 40.60  | 0.591 | 15.00 | 1.732 | 44.00  | 1000           |
| BP1136A     | 1.665 | 42.30  | 0.591 | 15.00 | 1.890 | 48.00  | 1000           |
| BP1138A     | 1.705 | 43.30  | 0.591 | 15.00 | 1.988 | 50.50  | 100            |
| BP1140A     | 1.811 | 46.00  | 0.709 | 18.00 | 2.165 | 55.00  | 1500           |
| BP1142A     | 1.988 | 50.50  | 0.551 | 14.00 | 2.244 | 57.00  | 100            |
| BP1144A     | 2.028 | 51.50  | 0.709 | 18.00 | 2.165 | 55.00  | 1500           |
| BP1146A     | 2.067 | 52.50  | 0.551 | 14.00 | 2.362 | 60.00  | 100            |
| BP1148A     | 2.130 | 54.10  | 0.709 | 18.00 | 2.311 | 58.70  | 500            |
| BP1150A     | 2.177 | 55.30  | 0.768 | 19.50 | 2.343 | 59.50  | 100            |
| BP1152A     | 2.283 | 58.00  | 0.709 | 18.00 | 2.520 | 64.00  | 750            |
| BP1154A     | 2.346 | 59.60  | 0.709 | 18.00 | 2.894 | 73.50  | 500            |
| BP1156A     | 2.756 | 70.00  | 0.709 | 18.00 | 3.071 | 78.00  | 500            |
| BP1158A     | 2.902 | 73.70  | 0.685 | 17.40 | 3.240 | 82.30  | 500            |
| BP1160A     | 3.181 | 80.80  | 0.685 | 17.40 | 3.642 | 92.50  | 250            |
| BP1162A     | 3.346 | 85.00  | 0.709 | 18.00 | 3.681 | 93.50  | 50             |
| BP1164A     | 3.406 | 86.50  | 0.685 | 17.40 | 3.909 | 99.30  | 250            |
| BP1166A     | 3.890 | 98.80  | 0.685 | 17.40 | 4.409 | 112.00 | 250            |
| BP1168A     | 4.350 | 110.50 | 0.709 | 18.00 | 5.118 | 130.00 | 50             |
| BP1170A     | 4.398 | 111.70 | 0.685 | 17.40 | 4.843 | 123.00 | 250            |

FT Series PVC & TPR Plugs

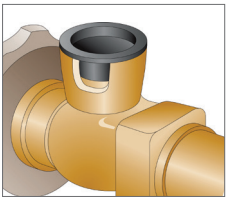
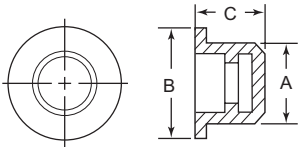
Specifications

- Material: PVC or Thermoplastic Rubber
- Color: Black

Features

- Highly resistant to shredding
- Ideal for threaded applications
- Thermoplastic rubber is recommended for use wherever resistance to acid is required

| Part Number |        | A     |       | B     |       | C     |       | Bulk Pack Qty. |       |
|-------------|--------|-------|-------|-------|-------|-------|-------|----------------|-------|
| PVC         | TPR    | in    | mm    | in    | mm    | in    | mm    | PVC            | TPR   |
| 10874A      | 18071B | 0.125 | 3.20  | 0.276 | 7.00  | 0.354 | 9.00  | 10000          | 10000 |
| 12665A      | 12049B | 0.197 | 5.00  | 0.433 | 11.00 | 0.471 | 11.99 | 10000          | 10000 |
| 12666A      | 12050B | 0.236 | 5.99  | 0.472 | 11.99 | 0.471 | 11.99 | 10000          | 10000 |
| 12667A      | 12051B | 0.275 | 6.99  | 0.511 | 12.98 | 0.471 | 11.99 | 10000          | 10000 |
| 12668A      | 12052B | 0.315 | 8.00  | 0.551 | 14.00 | 0.471 | 11.99 | 10000          | 10000 |
| 12669A      | 12053B | 0.354 | 8.99  | 0.580 | 14.99 | 0.471 | 11.99 | 10000          | 10000 |
| 12670A      | 12054B | 0.393 | 9.98  | 0.629 | 15.98 | 0.471 | 11.99 | 10000          | 10000 |
| 12671A      | 12055B | 0.433 | 11.00 | 0.669 | 16.99 | 0.471 | 11.99 | 10000          | 10000 |
| 12672A      | 12056B | 0.472 | 11.99 | 0.787 | 19.99 | 0.471 | 11.99 | 8000           | 8000  |
| 12673A      | 12057B | 0.511 | 12.98 | 0.826 | 20.98 | 0.551 | 14.00 | 8000           | 8000  |
| 12674A      | 12058B | 0.551 | 14.00 | 0.866 | 22.00 | 0.551 | 14.00 | 7000           | 6000  |
| 12675A      | 12059B | 0.580 | 14.99 | 0.905 | 22.99 | 0.571 | 14.50 | 5000           | 6000  |
| 12677A      | 12060B | 0.630 | 16.00 | 0.945 | 24.00 | 0.551 | 14.00 | 6000           | 6000  |
| 12678A      | FLP17A | 0.669 | 17.00 | 1.063 | 27.00 | 0.531 | 13.50 | 5000           | 4000  |
| 12679A      | 12062B | 0.709 | 18.01 | 1.102 | 27.99 | 0.551 | 14.00 | 4000           | 4000  |
| 12680A      | 12063B | 0.748 | 19.00 | 1.142 | 29.01 | 0.551 | 14.00 | 2000           | 4000  |
| 12681A      | 12064B | 0.787 | 19.99 | 1.181 | 30.00 | 0.551 | 14.00 | 2000           | 4000  |
| 12683A      | 12065B | 0.827 | 21.01 | 1.220 | 30.99 | 0.551 | 14.00 | 2500           | 3000  |
| 12684A      | FLP21A | 0.879 | 22.33 | 1.260 | 32.00 | 0.551 | 14.00 | 3000           | 2500  |
| 12685A      | 12067B | 0.906 | 23.01 | 1.299 | 32.99 | 0.630 | 16.00 | 1500           | 3000  |
| 12686A      | 12068B | 0.945 | 24.00 | 1.339 | 34.01 | 0.630 | 16.00 | 2500           | 2500  |
| 12687A      | 12069B | 0.984 | 24.99 | 1.378 | 35.00 | 0.630 | 16.00 | 2000           | 2000  |
| 12688A      | 12070B | 1.024 | 26.01 | 1.417 | 35.99 | 0.630 | 16.00 | 2000           | 2000  |
| 12689A      | 12071B | 1.063 | 27.00 | 1.457 | 37.01 | 0.630 | 16.00 | 2000           | 2000  |
| 12690A      | 12072B | 1.102 | 27.99 | 1.496 | 38.00 | 0.630 | 16.00 | 2000           | 2000  |
| 12691A      | 12073B | 1.142 | 29.01 | 1.535 | 38.99 | 0.630 | 16.00 | 1300           | 1300  |
| 12692A      | FLP30A | 1.190 | 30.23 | 1.400 | 35.56 | 0.630 | 16.00 | 1000           | 1500  |
| 12693A      | 12501B | 1.575 | 40.01 | 1.969 | 50.01 | 0.866 | 22.00 | 500            | 700   |
| 12694A      | 12502B | 1.850 | 46.99 | 2.244 | 57.00 | 0.866 | 22.00 | 500            | 500   |



CP Series Center Pull Tab Plugs

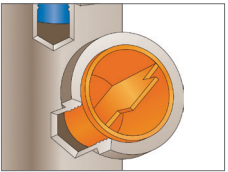
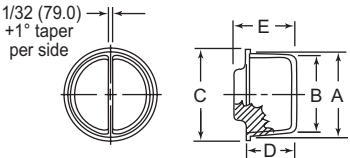
Specifications

- Material: Low-Density Polyethylene
- Color: Orange

Features

- The integral center pull tab feature is designed for quick and easy removal
- Tapered design allows the part to plug multiple inner diameters

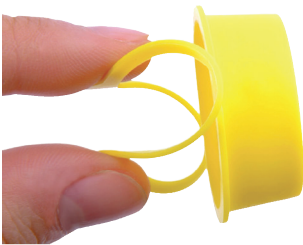
| Part Number | Use as a Plug |       |       |       |       |       |       |       |       |       | Bulk Pack Qty. |
|-------------|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------|
|             | A             |       | B     |       | C     |       | D     |       | E     |       |                |
|             | in            | mm    | in    | mm    | in    | mm    | in    | mm    | in    | mm    |                |
| CP4A        | 0.269         | 6.83  | 0.209 | 5.31  | 0.380 | 9.65  | 0.340 | 8.64  | 0.590 | 14.99 | 5000           |
| CP5A        | 0.303         | 7.69  | 0.239 | 6.07  | 0.469 | 11.91 | 0.370 | 9.39  | 0.630 | 16.00 | 5000           |
| CP6A        | 0.335         | 8.51  | 0.267 | 6.78  | 0.469 | 11.91 | 0.406 | 10.32 | 0.625 | 15.88 | 5000           |
| CP7A        | 0.370         | 9.40  | 0.302 | 7.67  | 0.531 | 13.49 | 0.375 | 9.53  | 0.750 | 19.05 | 5000           |
| CP8A        | 0.396         | 10.06 | 0.330 | 8.38  | 0.530 | 13.46 | 0.410 | 10.41 | 0.790 | 20.07 | 5000           |
| CP9A        | 0.428         | 10.87 | 0.362 | 9.19  | 0.594 | 15.08 | 0.375 | 9.53  | 0.750 | 19.05 | 7000           |
| CP10A       | 0.463         | 11.76 | 0.402 | 10.21 | 0.625 | 15.88 | 0.375 | 9.53  | 0.750 | 19.05 | 6000           |
| CP11A       | 0.486         | 12.34 | 0.422 | 10.72 | 0.625 | 15.88 | 0.406 | 10.32 | 0.781 | 19.84 | 5500           |
| CP12A       | 0.512         | 13.00 | 0.448 | 11.38 | 0.656 | 16.67 | 0.406 | 10.32 | 0.563 | 14.29 | 5000           |
| CP13A       | 0.548         | 13.92 | 0.471 | 11.96 | 0.690 | 17.53 | 0.470 | 11.94 | 0.850 | 21.59 | 5000           |
| CP14A       | 0.568         | 14.43 | 0.500 | 12.70 | 0.719 | 18.26 | 0.469 | 11.91 | 0.813 | 20.64 | 7500           |
| CP15B       | 0.608         | 15.44 | 0.532 | 13.51 | 0.750 | 19.05 | 0.470 | 11.94 | 0.780 | 19.81 | 6000           |
| CP16A       | 0.633         | 16.08 | 0.551 | 14.00 | 0.780 | 19.81 | 0.500 | 12.70 | 0.750 | 19.05 | 5000           |
| CP18A       | 0.668         | 16.97 | 0.580 | 14.73 | 0.813 | 20.64 | 0.531 | 13.49 | 0.750 | 19.05 | 5500           |
| CP19A       | 0.695         | 17.65 | 0.610 | 15.49 | 0.840 | 21.34 | 0.530 | 13.46 | 0.780 | 19.81 | 5000           |
| CP23A       | 0.787         | 19.99 | 0.691 | 17.55 | 0.938 | 23.81 | 0.594 | 15.08 | 0.750 | 19.05 | 3500           |
| CP24A       | 0.825         | 20.96 | 0.727 | 18.47 | 1.000 | 25.40 | 0.590 | 14.99 | 0.840 | 21.34 | 5000           |
| CP29A       | 0.933         | 23.70 | 0.819 | 20.80 | 1.125 | 28.58 | 0.750 | 19.05 | 1.000 | 25.40 | 4000           |
| CP31A       | 0.973         | 24.71 | 0.869 | 22.07 | 1.120 | 28.45 | 0.750 | 19.05 | 1.000 | 25.40 | 4000           |
| CP35A       | 1.074         | 27.28 | 0.935 | 23.75 | 1.156 | 29.37 | 0.750 | 19.05 | 0.938 | 23.81 | 3500           |
| CP37A       | 1.092         | 27.74 | 0.967 | 24.56 | 1.250 | 31.75 | 0.780 | 19.81 | 1.030 | 26.16 | 2500           |
| CP40A       | 1.146         | 29.11 | 1.026 | 26.06 | 1.340 | 34.04 | 0.750 | 19.05 | 1.000 | 25.40 | 2500           |
| CP42A       | 1.219         | 30.96 | 1.093 | 27.76 | 1.410 | 35.81 | 0.780 | 19.81 | 1.000 | 25.40 | 2500           |
| CP44A       | 1.286         | 32.66 | 1.150 | 29.21 | 1.550 | 39.37 | 0.750 | 19.05 | 1.000 | 25.40 | 2000           |
| CP46A       | 1.360         | 34.54 | 1.235 | 31.37 | 1.530 | 38.86 | 0.750 | 19.05 | 1.000 | 25.40 | 2000           |
| CP47A       | 1.356         | 33.22 | 1.292 | 32.82 | 1.500 | 38.10 | 0.781 | 19.84 | 1.000 | 25.40 | 1800           |
| CP49A       | 1.465         | 37.21 | 1.312 | 33.32 | 1.620 | 41.15 | 0.750 | 19.05 | 1.000 | 25.40 | 1800           |
| CP51A       | 1.527         | 38.79 | 1.344 | 34.14 | 1.750 | 44.45 | 0.880 | 22.35 | 1.000 | 25.40 | 1500           |
| CP55A       | 1.601         | 40.67 | 1.451 | 36.86 | 1.750 | 44.45 | 0.750 | 19.05 | 1.000 | 25.40 | 1500           |
| CP56A       | 1.735         | 44.07 | 1.615 | 41.02 | 1.906 | 48.42 | 0.719 | 18.26 | 1.125 | 28.58 | 1000           |
| CP59A       | 1.835         | 46.61 | 1.820 | 46.23 | 2.031 | 51.59 | 0.500 | 12.70 | 0.750 | 19.05 | 1500           |
| CP57A       | 1.938         | 49.23 | 1.807 | 45.90 | 2.160 | 54.86 | 1.000 | 25.40 | 1.250 | 31.75 | 1000           |
| CP61A       | 2.243         | 56.97 | 2.067 | 52.50 | 2.440 | 61.98 | 1.030 | 26.16 | 1.250 | 31.75 | 1000           |
| CP63A       | 2.270         | 57.66 | 2.230 | 56.64 | 2.530 | 64.26 | 0.500 | 12.70 | 0.750 | 19.05 | 1000           |
| CP65A       | 2.464         | 62.59 | 2.300 | 58.42 | 2.660 | 67.56 | 1.000 | 25.40 | 1.250 | 31.75 | 500            |
| CP71A       | 3.452         | 87.68 | 3.320 | 84.33 | 3.620 | 91.95 | 0.750 | 19.05 | 1.000 | 25.40 | 200            |



To Assure Proper Fit:

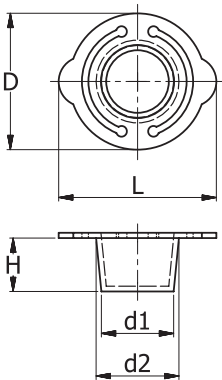


Plugs  
Plug dimension "A" should be approx. 1% larger than the inner diameter of the part. Minimum of .020"



Tapered Plug with Ring Tab

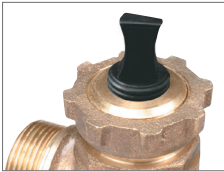
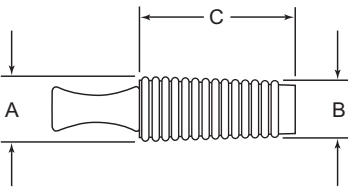
- Specifications**
- Material: Low density polyethylene (LDPE)
  - Color: Yellow
- Features**
- Tapered profile for extended dimensions
  - Easy removal of the part with strong ring tab



| Part Number | Dimensions |       |      |       |      |       |      |       |      |       | Std Pack Qty |
|-------------|------------|-------|------|-------|------|-------|------|-------|------|-------|--------------|
|             | d1         |       | d2   |       | H    |       | D    |       | L    |       |              |
|             | mm         | in    | mm   | in    | mm   | in    | mm   | in    | mm   | in    |              |
| 498716      | 5.0        | 0.197 | 7.0  | 0.276 | 9.5  | 0.374 | 17.3 | 0.681 | 20.3 | 0.799 | 1000         |
| 498717      | 6.0        | 0.236 | 8.0  | 0.315 | 9.5  | 0.374 | 18.2 | 0.717 | 21.1 | 0.831 | 1000         |
| 498718      | 7.0        | 0.276 | 9.5  | 0.374 | 9.5  | 0.374 | 20.3 | 0.799 | 23.3 | 0.917 | 1000         |
| 498719      | 8.0        | 0.315 | 10.0 | 0.394 | 9.5  | 0.374 | 20.3 | 0.799 | 23.2 | 0.913 | 1000         |
| 498720      | 9.5        | 0.374 | 11.5 | 0.453 | 9.5  | 0.374 | 21.9 | 0.862 | 24.8 | 0.976 | 1000         |
| 498721      | 10.5       | 0.413 | 12.5 | 0.492 | 9.5  | 0.374 | 22.6 | 0.890 | 26.5 | 1.043 | 1000         |
| 498722      | 11.5       | 0.453 | 13.5 | 0.531 | 9.5  | 0.374 | 23.7 | 0.933 | 27.5 | 1.083 | 1000         |
| 498723      | 12.5       | 0.492 | 14.5 | 0.571 | 10.0 | 0.394 | 24.5 | 0.965 | 28.4 | 1.118 | 1000         |
| 498724      | 13.5       | 0.531 | 15.5 | 0.61  | 10.0 | 0.394 | 25.5 | 1.004 | 29.5 | 1.161 | 1000         |
| 498725      | 14.2       | 0.559 | 16.2 | 0.638 | 10.0 | 0.394 | 26.3 | 1.035 | 30.3 | 1.193 | 1000         |
| 498726      | 14.5       | 0.571 | 17.0 | 0.669 | 10.0 | 0.394 | 27.0 | 1.063 | 31.0 | 1.220 | 500          |
| 498727      | 15.5       | 0.610 | 18.0 | 0.709 | 10.0 | 0.394 | 28.3 | 1.114 | 32.0 | 1.260 | 500          |
| 498728      | 17.5       | 0.689 | 19.5 | 0.768 | 10.0 | 0.394 | 30.0 | 1.181 | 34.0 | 1.339 | 500          |
| 498729      | 18.0       | 0.709 | 20.0 | 0.787 | 10.0 | 0.394 | 30.0 | 1.181 | 34.0 | 1.339 | 500          |
| 498730      | 19.0       | 0.748 | 21.5 | 0.846 | 11.0 | 0.433 | 32.0 | 1.260 | 35.7 | 1.406 | 500          |
| 498731      | 21.0       | 0.827 | 24.2 | 0.953 | 11.0 | 0.433 | 34.7 | 1.366 | 38.7 | 1.524 | 500          |
| 498732      | 22.5       | 0.886 | 25.5 | 1.004 | 12.0 | 0.472 | 36.0 | 1.417 | 40.0 | 1.575 | 500          |
| 498733      | 25.0       | 0.984 | 28.0 | 1.102 | 12.0 | 0.472 | 38.5 | 1.516 | 42.2 | 1.661 | 500          |
| 498734      | 29.0       | 1.142 | 31.5 | 1.240 | 12.0 | 0.472 | 41.8 | 1.646 | 47.0 | 1.850 | 500          |
| 498735      | 29.5       | 1.161 | 32.0 | 1.260 | 12.0 | 0.472 | 42.5 | 1.673 | 47.6 | 1.874 | 500          |

SFP Series Flangeless Tapered Plugs

- Specifications**
- Material: Thermoplastic Rubber
  - Color: Black
- Features**
- Protects threaded or unthreaded holes without masking the surrounding areas
  - Ergonomically-friendly pull tab allows for easy installation and removal



| Part Number | Plug Threads UN | M   | A     |    | B     |    | C    |      | Bulk Pack Qty. |
|-------------|-----------------|-----|-------|----|-------|----|------|------|----------------|
|             |                 |     | in    | mm | in    | mm | in   | mm   |                |
| 10398B      | #6 & #8         | M3  | 0.196 | 5  | 0.118 | 3  | 0.59 | 15   | 10000          |
| 18409B      | #10 & #12       | M4  | 0.236 | 6  | 0.157 | 4  | 1    | 25.4 | 6000           |
| 18410B      | 1/4 & 5/16      | M6  | 0.315 | 8  | 0.236 | 6  | 1    | 25.4 | 6000           |
| 18411B      | 3/8             | M8  | 0.394 | 10 | 0.315 | 8  | 1    | 25.4 | 4000           |
| 18412B      | 7/16            | M10 | 0.472 | 12 | 0.394 | 10 | 1    | 25.4 | 4000           |
| 18414B      | 5/8             | M14 | 0.63  | 16 | 0.551 | 14 | 1    | 25.4 | 4000           |
| 18415B      | 11/16           | M16 | 0.709 | 18 | 0.63  | 16 | 1    | 25.4 | 2000           |



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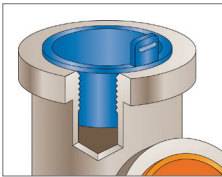
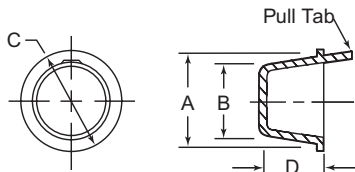
P Series Side Pull Tab Plugs

Specifications

- Material: Low-Density Polyethylene
- Color: Blue

Features

- The integral side pull tab feature is designed for easy removal in awkward locations



| Part Number |  Use as a Plug |       |       |       | C     |       | D     |       | Bulk Pack Qty. |
|-------------|-------------------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|----------------|
|             | A                                                                                               |       | B     |       |       |       |       |       |                |
|             | in                                                                                              | mm    | in    | mm    | in    | mm    | in    | mm    |                |
| P7A         | 0.365                                                                                           | 9.27  | 0.300 | 7.62  | 0.531 | 13.49 | 0.375 | 9.53  | 5000           |
| P8A         | 0.398                                                                                           | 10.11 | 0.330 | 8.38  | 0.563 | 14.30 | 0.375 | 9.53  | 5000           |
| P11A        | 0.485                                                                                           | 12.32 | 0.420 | 10.67 | 0.594 | 15.08 | 0.375 | 9.53  | 5000           |
| P13A        | 0.548                                                                                           | 13.92 | 0.471 | 11.96 | 0.690 | 17.53 | 0.470 | 11.94 | 5000           |
| P16A        | 0.623                                                                                           | 15.82 | 0.531 | 13.49 | 0.750 | 19.05 | 0.500 | 12.70 | 7000           |
| P17A        | 0.634                                                                                           | 16.10 | 0.550 | 13.97 | 0.781 | 19.84 | 0.500 | 12.70 | 7000           |
| P18A        | 0.668                                                                                           | 16.97 | 0.580 | 14.73 | 0.810 | 20.57 | 0.530 | 13.46 | 5000           |
| P20A        | 0.729                                                                                           | 18.52 | 0.640 | 16.26 | 0.880 | 22.35 | 0.500 | 12.70 | 5000           |
| P23A        | 0.785                                                                                           | 19.94 | 0.690 | 17.53 | 0.937 | 23.81 | 0.625 | 15.88 | 3500           |
| P24A        | 0.805                                                                                           | 20.44 | 0.717 | 18.21 | 0.937 | 23.81 | 0.625 | 15.88 | 5000           |
| P26A        | 0.912                                                                                           | 23.16 | 0.802 | 20.37 | 1.060 | 26.92 | 0.650 | 16.51 | 5000           |
| P27A        | 0.933                                                                                           | 23.70 | 0.815 | 20.70 | 1.120 | 28.45 | 0.620 | 15.75 | 5000           |
| P31A        | 0.975                                                                                           | 24.77 | 0.870 | 22.10 | 1.125 | 28.58 | 0.625 | 15.88 | 2500           |
| P33A        | 1.040                                                                                           | 26.42 | 0.915 | 23.24 | 1.160 | 29.46 | 0.720 | 18.29 | 5000           |
| P40A        | 1.090                                                                                           | 27.69 | 0.964 | 24.49 | 1.250 | 31.75 | 0.780 | 19.81 | 3000           |
| P41A        | 1.145                                                                                           | 29.08 | 0.995 | 25.27 | 1.310 | 33.27 | 0.780 | 19.81 | 2500           |
| P42A        | 1.230                                                                                           | 31.24 | 1.110 | 28.19 | 1.516 | 38.50 | 0.750 | 19.05 | 2500           |
| P44A        | 1.275                                                                                           | 32.39 | 1.165 | 29.59 | 1.405 | 35.69 | 0.750 | 19.05 | 2500           |
| P46A        | 1.360                                                                                           | 34.54 | 1.233 | 31.32 | 1.500 | 38.10 | 0.840 | 21.34 | 2500           |
| P53A        | 1.600                                                                                           | 40.64 | 1.450 | 36.83 | 1.750 | 44.45 | 0.750 | 19.05 | 2000           |
| P55A        | 1.682                                                                                           | 42.74 | 1.560 | 39.62 | 1.875 | 47.63 | 0.750 | 19.05 | 1500           |
| P57A        | 1.750                                                                                           | 44.45 | 1.633 | 41.48 | 1.940 | 49.28 | 0.750 | 19.05 | 1000           |
| P59A        | 1.825                                                                                           | 46.36 | 1.800 | 45.72 | 2.031 | 51.59 | 0.500 | 12.70 | 2000           |
| P61A        | 1.950                                                                                           | 49.53 | 1.780 | 45.21 | 2.120 | 53.85 | 1.000 | 25.40 | 1000           |
| P63A        | 2.000                                                                                           | 50.80 | 1.844 | 46.84 | 2.120 | 53.85 | 1.000 | 25.40 | 1000           |
| P65A        | 2.083                                                                                           | 52.91 | 1.920 | 48.77 | 2.250 | 57.15 | 1.000 | 25.40 | 1000           |
| P68A        | 2.261                                                                                           | 57.43 | 2.231 | 56.67 | 2.500 | 63.50 | 0.500 | 12.70 | 1000           |

Tapered Plug with Lateral Pull Tab

Specifications

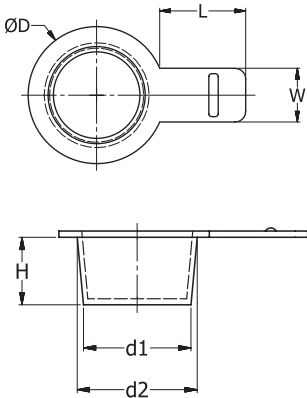
- Material: Thermoplastic rubber (TPR)
- Color: White

Features

- The soft and flexible material provides a close fit
- The lateral pull tab makes for easy removal
- TPR is recommended wherever resistance to acid is required



| Part Number | Dimensions |       |      |       |      |       |      |       |      |       |      |       | Std Pack Qty |
|-------------|------------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|--------------|
|             | d1         |       | d2   |       | D    |       | H    |       | W    |       | L    |       |              |
|             | mm         | in    | mm   | in    | mm   | in    | mm   | in    | mm   | in    | mm   | in    |              |
| 494297      | 5.0        | 0.197 | 7.0  | 0.276 | 11.0 | 0.433 | 9.5  | 0.374 | 7.0  | 0.276 | 15.0 | 0.591 | 5000         |
| 494298      | 6.0        | 0.236 | 8.0  | 0.315 | 12.0 | 0.472 | 9.5  | 0.374 | 7.0  | 0.276 | 15.0 | 0.591 | 5000         |
| 494299      | 7.0        | 0.276 | 9.5  | 0.374 | 13.5 | 0.531 | 9.5  | 0.374 | 7.0  | 0.276 | 15.0 | 0.591 | 5000         |
| 494300      | 8.0        | 0.315 | 10.0 | 0.394 | 14.0 | 0.551 | 9.5  | 0.374 | 8.0  | 0.315 | 15.0 | 0.591 | 5000         |
| 494301      | 9.5        | 0.374 | 11.5 | 0.453 | 15.5 | 0.610 | 9.5  | 0.374 | 8.0  | 0.315 | 15.0 | 0.591 | 5000         |
| 494302      | 10.5       | 0.413 | 12.5 | 0.492 | 16.5 | 0.650 | 9.5  | 0.374 | 8.0  | 0.315 | 15.0 | 0.591 | 5000         |
| 494303      | 11.5       | 0.453 | 13.5 | 0.531 | 17.5 | 0.689 | 9.5  | 0.374 | 8.0  | 0.315 | 15.0 | 0.591 | 5000         |
| 494304      | 12.5       | 0.492 | 14.5 | 0.571 | 18.5 | 0.728 | 10.0 | 0.394 | 8.0  | 0.315 | 15.0 | 0.591 | 5000         |
| 494305      | 13.5       | 0.531 | 15.5 | 0.610 | 19.5 | 0.768 | 10.0 | 0.394 | 10.0 | 0.394 | 15.0 | 0.591 | 5000         |
| 494306      | 14.2       | 0.559 | 16.2 | 0.638 | 20.2 | 0.795 | 10.0 | 0.394 | 10.0 | 0.394 | 15.0 | 0.591 | 5000         |
| 494307      | 14.5       | 0.571 | 17.0 | 0.669 | 21.0 | 0.827 | 10.0 | 0.394 | 10.0 | 0.394 | 15.0 | 0.591 | 2000         |
| 494308      | 15.5       | 0.61  | 18.0 | 0.709 | 22.0 | 0.866 | 10.0 | 0.394 | 10.0 | 0.394 | 15.0 | 0.591 | 2000         |
| 494309      | 17.5       | 0.689 | 19.5 | 0.768 | 23.5 | 0.925 | 10.0 | 0.394 | 10.0 | 0.394 | 15.0 | 0.591 | 2000         |
| 494310      | 19.0       | 0.748 | 21.5 | 0.846 | 25.5 | 1.004 | 11.0 | 0.433 | 10.0 | 0.394 | 15.0 | 0.591 | 2000         |
| 494311      | 21.0       | 0.827 | 23.5 | 0.925 | 27.5 | 1.083 | 11.0 | 0.433 | 10.0 | 0.394 | 15.0 | 0.591 | 2000         |
| 494312      | 22.5       | 0.886 | 25.5 | 1.004 | 29.5 | 1.161 | 12.0 | 0.472 | 12.0 | 0.472 | 15.0 | 0.591 | 2000         |
| 494313      | 25.0       | 0.984 | 28.0 | 1.102 | 32.0 | 1.260 | 12.0 | 0.472 | 12.0 | 0.472 | 15.0 | 0.591 | 2000         |
| 494314      | 29.0       | 1.142 | 31.5 | 1.240 | 35.5 | 1.398 | 12.0 | 0.472 | 12.0 | 0.472 | 15.0 | 0.591 | 2000         |





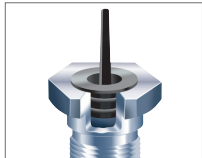
MPP Series Flexible Pull Plugs

Specifications

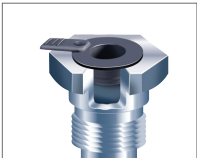
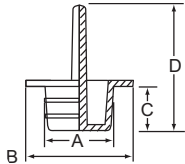
- Material: Thermoplastic Rubber
- Color: Black
- Temperature Range: -40°F to 275°F (-40°C to 135°C)

Features

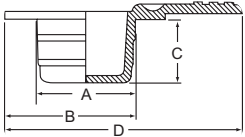
- The integral side pull tab feature is designed for easy removal in awkward locations
- Protects threaded or plain components
- Recommended for use wherever resistance to acid is required



Type 1 – Center Pull



Type 2 – Side Pull



| Part Number | To Fit          |               | Type | A     |      | B     |      | C     |      | D     |       | Bulk Pack Qty. |
|-------------|-----------------|---------------|------|-------|------|-------|------|-------|------|-------|-------|----------------|
|             | Standard Thread | Metric Thread |      | in    | mm   | in    | mm   | in    | mm   | in    | mm    |                |
| MPP3A       | 1/4"            | M6            | 2    | 0.216 | 5.5  | 0.610 | 15.5 | 0.315 | 8.0  | 0.913 | 23.20 | 500            |
| MPP4A       | 5/16"           | M8            | 1    | 0.295 | 7.5  | 0.610 | 15.5 | 0.315 | 8.0  | 0.944 | 24.00 | 500            |
| MPP5A       | 5/16"           | M8            | 2    | 0.295 | 7.5  | 0.591 | 15.0 | 0.315 | 8.0  | 0.994 | 25.25 | 7000           |
| MPP10A      | 3/8"            | M10           | 1    | 0.374 | 9.5  | 0.689 | 17.5 | 0.315 | 8.0  | 1.181 | 30.00 | 8000           |
| MPP15A      | 3/8"            | M10           | 2    | 0.374 | 9.5  | 0.669 | 17.0 | 0.315 | 8.0  | 1.073 | 27.25 | 7000           |
| MPP20A      | 1/2"            | M12           | 1    | 0.453 | 11.5 | 0.768 | 19.5 | 0.394 | 10.0 | 1.181 | 30.00 | 7000           |
| MPP25A      | 1/2"            | M12           | 2    | 0.453 | 11.5 | 0.669 | 17.0 | 0.315 | 8.0  | 1.112 | 28.24 | 7000           |
| MPP30A      | 9/16"           | M14           | 1    | 0.501 | 12.8 | 0.846 | 21.5 | 0.394 | 10.0 | 1.181 | 30.00 | 6000           |
| MPP35A      | 9/16"           | M14           | 2    | 0.512 | 13.0 | 0.827 | 21.0 | 0.394 | 10.0 | 1.220 | 30.99 | 6000           |
| MPP40A      | 5/8"            | M16           | 1    | 0.598 | 15.2 | 0.925 | 23.5 | 0.394 | 10.0 | 1.260 | 32.00 | 4000           |
| MPP45A      | 5/8"            | M16           | 2    | 0.610 | 15.5 | 0.906 | 23.0 | 0.394 | 10.0 | 1.309 | 33.25 | 4000           |
| MPP50A      | 11/16"          | M18           | 2    | 0.669 | 17.0 | 1.024 | 26.0 | 0.394 | 10.0 | 1.398 | 35.51 | 4000           |
| MPP55A      | 3/4"            | M18           | 1    | 0.693 | 17.6 | 1.004 | 25.5 | 0.394 | 10.0 | 1.024 | 26.00 | 500            |
| MPP60A      | 13/16"          | M20           | 1    | 0.764 | 19.4 | 1.083 | 27.5 | 0.472 | 12.0 | 1.024 | 26.00 | 500            |
| MPP65A      | 13/16"          | M20           | 2    | 0.764 | 19.4 | 1.083 | 27.5 | 0.472 | 12.0 | 1.461 | 37.10 | 500            |
| MPP70A      | 7/8"            | M22           | 1    | 0.843 | 21.4 | 1.161 | 29.5 | 0.472 | 12.0 | 1.024 | 26.00 | 250            |
| MPP75A      | 7/8"            | M22           | 2    | 0.843 | 21.4 | 1.161 | 29.5 | 0.472 | 12.0 | 1.551 | 39.40 | 250            |
| MPP80A      | 1"              | M24           | 1    | 0.925 | 23.5 | 1.122 | 28.5 | 0.472 | 12.0 | 1.024 | 26.00 | 250            |
| MPP85A      | 1"              | M24           | 2    | 0.925 | 23.5 | 1.122 | 28.5 | 0.472 | 12.0 | 1.606 | 40.80 | 250            |

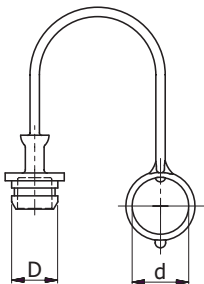
Hydraulic Quick Release Dust Plugs

Specifications

- Material: Thermoplastic elastomer
- Color: Red, green, blue or yellow (see chart)

Features

- Suitable to plug ISO 7241-1 Series A and B Quick Couplings
- Designed to remain attached to the hose
- Excellent protection from dirt, moisture and corrosion
- Temperature -40°F/275°F (-40°C/135°C)



| Part Number |        |        |        | Size | Series | Dimensions |       |      |       | Std Pack Qty |
|-------------|--------|--------|--------|------|--------|------------|-------|------|-------|--------------|
|             |        |        |        |      |        | D          |       | d    |       |              |
| Red         | Yellow | Green  | Blue   |      |        | mm         | in    | mm   | in    |              |
| 499766      | 499776 | 499786 | 499796 | 1/4" | ISO A  | 12.7       | 0.500 | 19.6 | 0.772 | 150          |
| 499767      | 499777 | 499787 | 499797 | 3/8" | ISO A  | 18.3       | 0.720 | 25.0 | 0.984 | 150          |
| 499768      | 499778 | 499788 | 499798 | 1/2" | ISO A  | 23.6       | 0.929 | 31.0 | 1.220 | 150          |
| 499769      | 499779 | 499789 | 499799 | 3/4" | ISO A  | 29.2       | 1.150 | 36.0 | 1.417 | 150          |
| 499770      | 499780 | 499790 | 499800 | 1"   | ISO A  | 36.5       | 1.437 | 48.0 | 1.890 | 150          |
| 499771      | 499781 | 499791 | 499801 | 1/4" | ISO B  | 15.5       | 0.610 | 22.2 | 0.874 | 150          |
| 499772      | 499782 | 499792 | 499802 | 3/8" | ISO B  | 20.0       | 0.787 | 28.0 | 1.102 | 150          |
| 499773      | 499783 | 499793 | 499803 | 1/2" | ISO B  | 25.7       | 1.012 | 35.0 | 1.378 | 150          |
| 499774      | 499784 | 499794 | 499804 | 3/4" | ISO B  | 32.7       | 1.287 | 42.0 | 1.654 | 150          |
| 499775      | 499785 | 499795 | 499805 | 1"   | ISO B  | 40.5       | 1.594 | 51.0 | 2.008 | 150          |



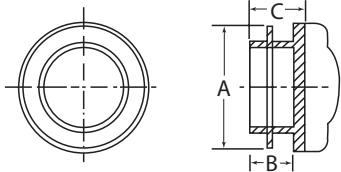
SF Series Snap Fit Plugs  
for Standard/JIC/Metric/BSP Threads

Specifications

- Material: Low-Density Polyethylene
- Color: Red

Features

- Once pushed into position, a single turn gives a tight fit
- Each plug covers a range of different thread sizes and styles
- The 12598A has pull tab not as illustrated



| Item No. | To Fit Thread Sizes |               |        | A     |       | B     |      | C     |      | Bulk Pack Qty. |
|----------|---------------------|---------------|--------|-------|-------|-------|------|-------|------|----------------|
|          | Standard/JIC        | Metric        | BSP    | in    | mm    | in    | mm   | in    | mm   |                |
| 10530A   | 7/16"               | M10           | 1/8"   | 0.386 | 9.80  | 0.157 | 4.00 | 0.236 | 6.00 | 12000          |
| 12363A   | 1/2"                | M12, M13, M14 | 1/4"   | 0.516 | 13.10 | 0.197 | 5.00 | 0.276 | 7.00 | 10000          |
| 12364A   | 5/8"                | M16           | 3/8"   | 0.650 | 16.50 | 0.197 | 5.00 | 0.276 | 7.00 | 10000          |
| 10314B   | 3/4"                | M18           | 1/2"   | 0.720 | 18.30 | 0.276 | 7.00 | 0.354 | 9.00 | 7000           |
| 12365A   | —                   | M20           | 1/2"   | 0.839 | 21.30 | 0.276 | 7.00 | 0.354 | 9.00 | 5000           |
| 12366A   | 7/8"                | M22           | 5/8"   | 0.882 | 22.40 | 0.276 | 7.00 | 0.354 | 9.00 | 5000           |
| 12621A   | —                   | M24           | —      | 0.925 | 23.50 | 0.276 | 7.00 | 0.354 | 9.00 | 3000           |
| 12367A   | 1 1/16"             | M25, M26      | 3/4"   | 1.004 | 25.50 | 0.276 | 7.00 | 0.354 | 9.00 | 2000           |
| 12368A   | 1-1/8"              | M28           | 7/8"   | 1.098 | 27.90 | 0.276 | 7.00 | 0.354 | 9.00 | 3000           |
| 12369A   | 1-5/16"             | M32           | 1"     | 1.260 | 32.00 | 0.276 | 7.00 | 0.354 | 9.00 | 2500           |
| 12622A   | 1-1/2", 1-3/8"      | M36           | 1-1/8" | 1.406 | 35.70 | 0.276 | 7.00 | 0.354 | 9.00 | 2000           |
| 12598A   | 1-5/8"              | M40, M42      | 1-1/4" | 1.634 | 41.50 | 0.276 | 7.00 | 0.354 | 9.00 | 2000           |



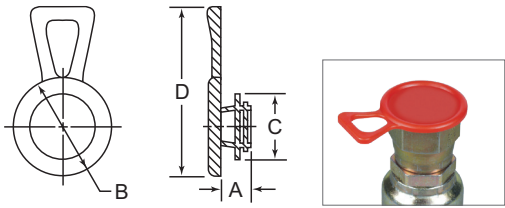
EZP Series Quick Fit Easy Pull Plugs  
for Unified Standard/Metric Threads

Specifications

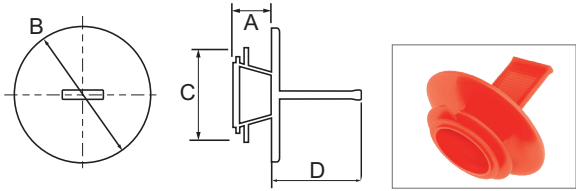
- Material: Low-Density Polyethylene
- Color: Red

Features

- Patented "Quick Fit" design easily locks the plug into place with a simple push
- Strong and flexible pull tab for quick removal
- Seven sizes in two styles protect more than 25 popular threads

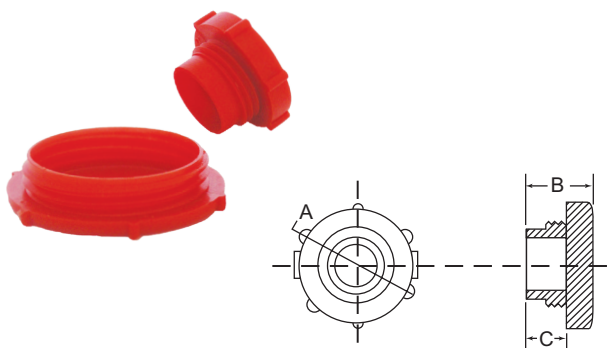


Type 1 - Lateral Pull



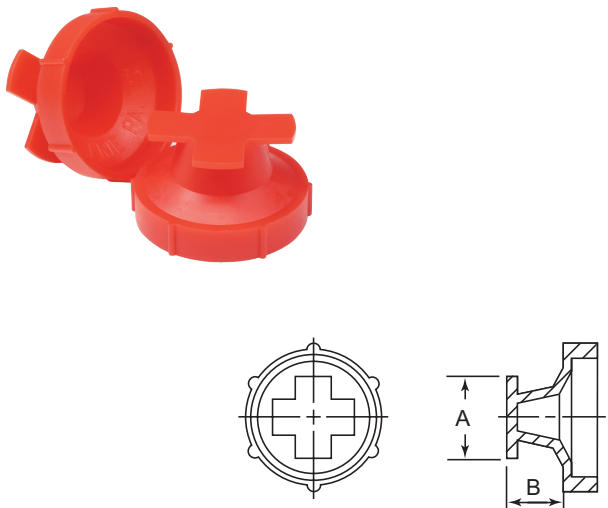
Type 2 - Central Pull

| Part Number | To Fit            |               | Type | A     |       | B     |       | C     |       | D     |       | Bulk Pack Qty. |
|-------------|-------------------|---------------|------|-------|-------|-------|-------|-------|-------|-------|-------|----------------|
|             | Standard Thread   | Metric Thread |      | in    | mm    | in    | mm    | in    | mm    | in    | mm    |                |
| EZP1010A    | 5/16", 3/8"       | M8            | 1    | 0.300 | 7.62  | 0.515 | 13.08 | 0.375 | 9.53  | 1.195 | 30.35 | 10000          |
| EZP1020C    | 7/16"             | M10, M12      | 1    | 0.300 | 7.62  | 0.748 | 19.05 | 0.520 | 13.20 | 1.340 | 34.04 | 5000           |
| EZP2020A    | 7/16"             | M10, M12      | 2    | 0.354 | 9.00  | 0.748 | 19.00 | 0.519 | 13.20 | 0.834 | 21.20 | 500            |
| EZP1030A    | 1/2", 5/8", 9/16" | M14, M16      | 1    | 0.275 | 7.00  | 0.893 | 22.70 | 0.649 | 16.50 | 1.574 | 40.00 | 5000           |
| EZP2030A    | 1/2", 5/8", 9/16" | M14, M16      | 2    | 0.275 | 7.00  | 0.893 | 22.70 | 0.649 | 16.50 | 0.834 | 21.20 | 500            |
| EZP1040A    | 3/4"              | M18, M20      | 1    | 0.314 | 8.00  | 1.181 | 30.00 | 0.767 | 19.50 | 1.850 | 47.00 | 4000           |
| EZP2040A    | 3/4"              | M18, M20      | 2    | 0.314 | 8.00  | 1.181 | 30.00 | 0.767 | 19.50 | 0.842 | 21.40 | 250            |
| EZP1050A    | 7/8"              | M22, M24      | 1    | 0.374 | 9.50  | 1.350 | 34.30 | 0.937 | 23.80 | 2.023 | 51.40 | 3000           |
| EZP2050A    | 7/8"              | M22, M24      | 2    | 0.374 | 9.50  | 1.350 | 34.30 | 0.937 | 23.80 | 0.842 | 21.40 | 250            |
| EZP1060A    | 1-1/16", 1-1/8"   | M26, M28      | 1    | 0.374 | 9.50  | 1.574 | 40.00 | 1.086 | 27.60 | 2.244 | 57.00 | 2000           |
| EZP2060A    | 1-1/16", 1-1/8"   | M26, M28      | 2    | 0.374 | 9.50  | 1.574 | 40.00 | 1.086 | 27.60 | 0.846 | 21.50 | 100            |
| EZP1070A    | 1-1/4", 1-3/8"    | M30, M36      | 1    | 0.393 | 10.00 | 1.771 | 45.00 | 1.358 | 34.50 | 2.440 | 62.00 | 1500           |



UNF/JIC

| Part Number | To Fit UNF/JIC Thread Size | A     |       | B     |      | C     |      | Bulk Pack Qty. |
|-------------|----------------------------|-------|-------|-------|------|-------|------|----------------|
|             |                            | in    | mm    | in    | mm   | in    | mm   |                |
| QFP005A     | 7/16" × 20                 | 0.728 | 18.50 | 0.354 | 9.00 | 0.232 | 5.90 | 5000           |
| QFP010A     | 1/2" × 20                  | 0.811 | 20.60 | 0.358 | 9.10 | 0.232 | 5.90 | 5000           |
| QFP015A     | 9/16" × 18                 | 0.843 | 21.40 | 0.354 | 9.00 | 0.232 | 5.90 | 5000           |
| QFP020A     | 3/4" × 16                  | 1.051 | 26.70 | 0.366 | 9.30 | 0.232 | 5.90 | 3000           |
| QFP025A     | 7/8" × 14                  | 1.173 | 29.80 | 0.362 | 9.20 | 0.244 | 6.20 | 2500           |
| QFP030A     | 1 1/16" × 12               | 1.335 | 33.90 | 0.354 | 9.00 | 0.232 | 5.90 | 2000           |
| QFP035A     | 1 5/16" × 12               | 1.587 | 40.30 | 0.37  | 9.40 | 0.236 | 6.00 | 1500           |



| Part Number | To Fit Thread Sizes |              |        |           | A     |       | B     |       | Bulk Pack Qty. |
|-------------|---------------------|--------------|--------|-----------|-------|-------|-------|-------|----------------|
|             | NPT                 | Standard/JIC | Metric | BSP       | in    | mm    | in    | mm    |                |
| UN9995A     | —                   | —            | —      | —         | 0.420 | 10.66 | 0.233 | 5.91  | 10000          |
| UN9996A     | 1/8"                | 7/16"        | M10    | 1/8"      | 0.438 | 11.12 | 0.240 | 6.09  | 10000          |
| UN9997A     | 1/4"                | 9/16"        | M14    | —         | 0.575 | 14.60 | 0.285 | 7.23  | 10000          |
| UN9998A     | —                   | 1/2"         | M12    | 1/4"      | 0.485 | 12.31 | 0.325 | 8.25  | 10000          |
| UN9763A     | —                   | 3/4"         | M16-20 | 3/8"      | 0.780 | 19.81 | 0.375 | 9.52  | 5000           |
| UN9764A     | —                   | 1"           | M20-24 | 1/2"–5/8" | 0.990 | 25.14 | 0.445 | 11.30 | 2500           |
| UN9774A     | 3/4"                | 1-3/16"      | M30    | 3/4"–7/8" | 1.240 | 31.49 | 0.435 | 11.04 | 2000           |
| UN9765A     | —                   | 1-7/16"      | M33-36 | 1"        | 1.475 | 37.46 | 0.445 | 11.30 | 1000           |

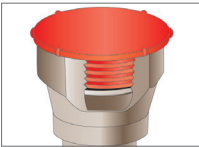
QFP Series Quick Fit Plugs  
for UNF/JIC/Metric Threads

Specifications

- Material: Low-Density Polyethylene
- Color: Red

Features

- Fewer thread forms allow for quick application



Metric

| Part Number | To Fit UNF/JIC Thread Size | A     |       | B     |       | C     |       | Bulk Pack Qty. |
|-------------|----------------------------|-------|-------|-------|-------|-------|-------|----------------|
|             |                            | in    | mm    | in    | mm    | in    | mm    |                |
| QFP105A     | M14 × 1.5                  | 0.846 | 21.50 | 0.492 | 12.50 | 0.315 | 8.00  | 5000           |
| QFP110A     | M16 × 1.5                  | 0.929 | 23.60 | 0.492 | 12.50 | 0.315 | 8.00  | 3000           |
| QFP115A     | M20 × 1.5                  | 1.157 | 29.38 | 0.512 | 13.00 | 0.315 | 8.00  | 3000           |
| QFP120A     | M30 × 2.0                  | 1.556 | 34.52 | 0.575 | 14.60 | 0.386 | 9.80  | 1500           |
| QFP125A     | M36 × 2.0                  | 1.795 | 45.60 | 0.649 | 16.48 | 0.413 | 10.50 | 1000           |
| QFP130A     | M42 × 2.0                  | 2.133 | 54.17 | 0.854 | 21.69 | 0.61  | 15.50 | 700            |
| QFP135A     | M45 × 2.0                  | 2.232 | 56.69 | 0.728 | 18.50 | 0.500 | 12.70 | 700            |
| QFP140A     | M52 × 2.0                  | 2.594 | 65.90 | 0.839 | 21.30 | 0.606 | 15.40 | 500            |

UN Series  
Quick Fit Plugs for  
Standard/JIC/Metric/BSP Threads

Specifications

- Material: Low-Density Polyethylene
- Color: Red

Features

- This uniquely-designed range of plugs have sets of blades which will lock tight when pushed into a threaded hole and twisted
- Each plug covers a range of different thread sizes and styles
- Easily removes by simply unscrewing the plug from the thread



## BL Series

### UNF Standard Threaded Plugs (O-Ring Optional)

Specifications

- Material: Polypropylene
- Color: Yellow

Features

- Can be applied or removed by hand, hex wrench or screwdriver
- Optional O-Ring provides a water tight seal for superior leakage protection

See inside back cover for Application Wizards.

| Part Number | Part Number w/ O-Ring | To Plug Standard Thread Size | A     |       | B     |       | C     |      | D     |       | Bulk Pack Qty. |
|-------------|-----------------------|------------------------------|-------|-------|-------|-------|-------|------|-------|-------|----------------|
|             |                       |                              | in    | mm    | in    | mm    | in    | mm   | in    | mm    |                |
| BL3A        | BL3L                  | 7/16"-20                     | 0.430 | 10.92 | 0.620 | 15.75 | 0.180 | 4.57 | 0.390 | 9.91  | 5000           |
| *BL4A       | *BL4B                 | 1/2"-13                      | 0.500 | 12.70 | 0.687 | 17.46 | 0.281 | 7.14 | 0.410 | 10.41 | 3000           |
| BL5A        | BL5K                  | 9/16"-18                     | 0.500 | 12.70 | 0.750 | 19.05 | 0.180 | 4.57 | 0.420 | 10.67 | 3000           |
| BL7A        | BL7J                  | 3/4"-16                      | 0.680 | 17.27 | 0.940 | 23.88 | 0.190 | 4.83 | 0.520 | 13.21 | 1500           |
| BL8A        | BL8H                  | 7/8"-14                      | 0.750 | 19.05 | 1.060 | 26.92 | 0.240 | 6.10 | 0.560 | 14.22 | 2100           |
| BL10A       | BL10I                 | 1-1/16"-12                   | 0.870 | 22.10 | 1.310 | 33.27 | 0.250 | 6.35 | 0.660 | 16.76 | 600            |
| BL11A       | BL11D                 | 1-3/16"-12                   | 1.000 | 25.40 | 1.500 | 38.10 | 0.300 | 7.62 | 0.700 | 17.78 | 425            |
| BL12A       | BL12H                 | 1-5/16"-12                   | 1.070 | 27.18 | 1.610 | 40.89 | 0.290 | 7.37 | 0.700 | 17.78 | 700            |
| BL13A       | BL13D                 | 1-5/8"-12                    | 1.125 | 28.58 | 1.880 | 42.75 | 0.300 | 7.62 | 0.770 | 19.56 | 500            |
| BL14A       | BL14C                 | 1-7/8"-12                    | 1.500 | 38.10 | 2.125 | 53.98 | 0.300 | 7.62 | 0.750 | 19.05 | 700            |

\*BL4A and BL4B are black and UNC threaded.

## B Nylon Series

### UNF Standard Threaded Nylon Plugs (O-Ring Optional)

Specifications

- Material: Nylon
- Color: Natural

Features

- Can be applied or removed by hand, hex wrench or screwdriver
- Optional O-Ring gives this part a water tight seal for superior leakage protection
- Recommended when strength and abrasion resistance are desired
- The nylon material absorbs paint, keeping paint flakes to a minimum
- Nylon is able to withstand higher temperature than Polypropylene. Nylon is recommended for intermittent temperatures of 230°F (110°C) to -40°F (-40°C)

| Part Number | Part Number w/ O-Ring | To Plug Standard Thread Size | A     |       | B     |       | C     |      | D     |       | Bulk Pack Qty. |
|-------------|-----------------------|------------------------------|-------|-------|-------|-------|-------|------|-------|-------|----------------|
|             |                       |                              | in    | mm    | in    | mm    | in    | mm   | in    | mm    |                |
| BL3D        | BL3I                  | 7/16"-20                     | 0.430 | 10.92 | 0.620 | 15.75 | 0.180 | 4.57 | 0.390 | 9.91  | 10000          |
| BL5C        | BL5N                  | 9/16"-18                     | 0.500 | 12.70 | 0.750 | 19.05 | 0.180 | 4.57 | 0.420 | 10.67 | 6000           |
| BL7C        | BL7G                  | 3/4"-16                      | 0.680 | 17.27 | 0.940 | 23.88 | 0.190 | 4.83 | 0.520 | 13.21 | 3000           |
| BL8B        | BL8P                  | 7/8"-14                      | 0.750 | 19.05 | 1.060 | 26.92 | 0.240 | 6.10 | 0.560 | 14.22 | 2100           |
| BL10C       | BL10M                 | 1-1/16"-12                   | 0.870 | 22.10 | 1.310 | 33.27 | 0.250 | 6.35 | 0.660 | 16.76 | 1200           |
| BL11E       | BL11C                 | 1-3/16"-12                   | 1.000 | 25.40 | 1.500 | 38.10 | 0.300 | 7.62 | 0.700 | 17.78 | 425            |
| BL12B       | BL12M                 | 1-5/16"-12                   | 1.070 | 27.18 | 1.610 | 40.89 | 0.290 | 7.37 | 0.700 | 17.78 | 700            |
| BL13G       | BL13C                 | 1-5/8"-12                    | 1.125 | 28.58 | 1.880 | 42.75 | 0.300 | 7.62 | 0.770 | 19.56 | 1000           |

## BLWF Series

### UNF Standard Threaded Wide Flange Plugs

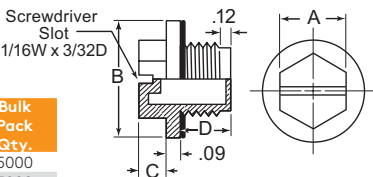
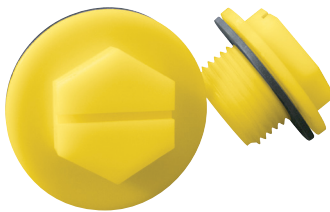
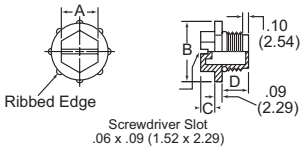
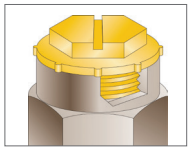
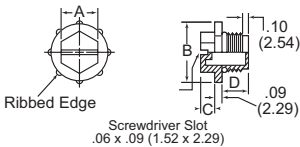
Specifications

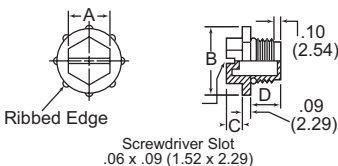
- Material: Plug - Nylon, Gasket - Nitrile
- Color: Plug - Yellow, Gasket - Black

Features

- Wide flange design keeps any pain flakes away from the hole when removed
- The nylon material absorbs paint keeping paint flakes to a minimum
- The nitrile gasket seals the plug to the mating surface for a watertight seal
- Can be applied or removed by hand, screwdriver or with a torque wrench
- Nylon is recommended for intermittent temperatures up to 230°F (110°C) to -40°F (-40°C)

| Part Number | To Fit Thread Size | A     |       | B     |       | C     |      | D     |       | Bulk Pack Qty. |
|-------------|--------------------|-------|-------|-------|-------|-------|------|-------|-------|----------------|
|             |                    | in    | mm    | in    | mm    | in    | mm   | in    | mm    |                |
| BLWF100A    | 7/16"-20           | 0.500 | 12.70 | 0.775 | 19.69 | 0.180 | 4.57 | 0.390 | 9.91  | 5000           |
| BLWF105A    | 1/2"-20            | 0.500 | 12.70 | 0.853 | 21.67 | 0.180 | 4.57 | 0.405 | 10.29 | 5000           |
| BLWF110A    | 9/16"-18           | 0.500 | 12.70 | 0.917 | 23.29 | 0.180 | 4.57 | 0.420 | 10.67 | 2500           |
| BLWF115A    | 3/4"-16            | 0.750 | 19.05 | 1.130 | 28.70 | 0.190 | 4.83 | 0.520 | 13.21 | 2500           |
| BLWF120A    | 7/8"-14            | 0.750 | 19.05 | 1.284 | 32.61 | 0.240 | 6.10 | 0.560 | 14.22 | 2500           |
| BLWF125A    | 1-1/16"-12         | 1.000 | 25.40 | 1.577 | 40.06 | 0.250 | 6.35 | 0.660 | 16.76 | 1000           |
| BLWF130A    | 1-3/16"-12         | 1.000 | 25.40 | 1.722 | 43.74 | 0.300 | 7.62 | 0.700 | 17.78 | 1000           |
| BLWF135A    | 1-5/16"-12         | 1.000 | 25.40 | 1.867 | 47.42 | 0.290 | 7.37 | 0.700 | 17.78 | 1000           |
| BLWF140A    | 1-5/8"-12          | 1.125 | 28.57 | 2.217 | 56.31 | 0.300 | 7.62 | 0.770 | 19.56 | 500            |
| BLWF145A    | 1-7/8"-12          | 1.500 | 38.10 | 2.507 | 63.68 | 0.300 | 7.62 | 0.750 | 19.05 | 500            |





B Series Standard Threaded Plugs

Specifications

- Material: High-Density Polyethylene
- Color: Blue

Features

- Threaded plug with a serrated grip (used for a variety of applications)
- Can be applied or removed by hand, hex wrench or screwdriver

| Part Number | To Plug Standard Thread Size | A     |       | B     |       | C     |      | D     |       | Bulk Pack Qty. |
|-------------|------------------------------|-------|-------|-------|-------|-------|------|-------|-------|----------------|
|             |                              | in    | mm    | in    | mm    | in    | mm   | in    | mm    |                |
| B3A         | 7/16"-20                     | 0.430 | 10.92 | 0.620 | 15.75 | 0.180 | 4.57 | 0.300 | 7.62  | 11000          |
| B4A         | 1/2"-20                      | 0.500 | 12.70 | 0.680 | 12.27 | 0.180 | 4.57 | 0.360 | 9.14  | 7500           |
| B5A         | 9/16"-18                     | 0.500 | 12.70 | 0.750 | 19.05 | 0.180 | 4.57 | 0.382 | 9.70  | 6000           |
| B6A         | 5/8"-18                      | 0.560 | 14.22 | 0.810 | 20.57 | 0.180 | 4.57 | 0.350 | 8.89  | 5000           |
| B7A         | 3/4"-16                      | 0.680 | 17.27 | 0.940 | 23.88 | 0.190 | 4.83 | 0.440 | 11.18 | 3500           |
| B8A         | 7/8"-14                      | 0.750 | 19.05 | 1.060 | 26.92 | 0.240 | 6.10 | 0.500 | 12.70 | 2100           |
| B9A         | 1"-14                        | 0.750 | 19.05 | 1.180 | 29.97 | 0.250 | 6.35 | 0.430 | 10.92 | 2000           |
| B10A        | 1-1/6"-14                    | 0.870 | 22.10 | 1.310 | 33.27 | 0.250 | 6.35 | 0.645 | 16.38 | 1200           |
| B11A        | 1-1/16"-12                   | 0.870 | 22.10 | 1.310 | 33.27 | 0.250 | 6.35 | 0.620 | 15.75 | 1300           |

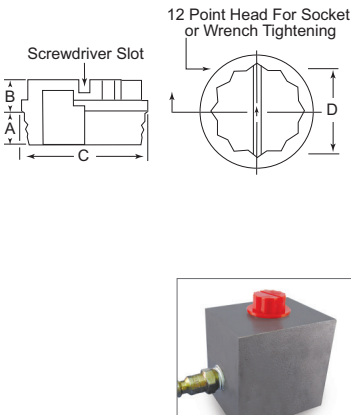
BLM Series  
UNF Standard Threaded Molded O-Ring Plugs

Specifications

- Material: High-Density Polyethylene
- Color: Red

Features

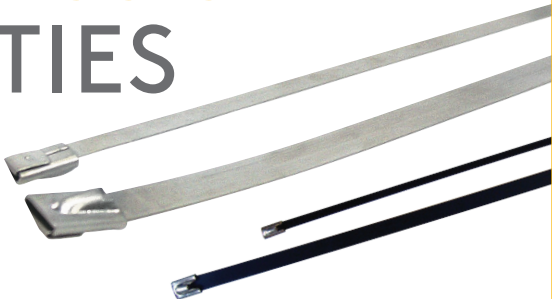
- Often used on flat-faced hydraulic fittings
- Integral O-Ring type bead prevents oil leakage or entrance of contaminants
- The flange lip compresses against the surface to keep contaminants out
- Can be applied or removed by hand, wrench, socket or screwdriver
- Designed for Standard Threads



| Part Number | To Plug Standard Thread Size | A     |       | B     |       | C     |       | D     | Bulk Pack Qty. |
|-------------|------------------------------|-------|-------|-------|-------|-------|-------|-------|----------------|
|             |                              | in    | mm    | in    | mm    | in    | mm    | in    |                |
| BLM3B       | 7/16"-20                     | 0.344 | 8.74  | 0.281 | 7.14  | 0.660 | 16.76 | 3/8   | 8000           |
| BLM3-24B    | 7/16"-24                     | 0.344 | 8.74  | 0.281 | 7.14  | 0.660 | 16.76 | 3/8   | 8000           |
| BLM4B       | 1/2"-20                      | 0.344 | 8.74  | 0.313 | 7.95  | 0.730 | 18.54 | 7/16  | 6000           |
| BLM5B       | 9/16"-18                     | 0.350 | 8.89  | 0.323 | 8.20  | 0.800 | 20.32 | 1/2   | 6000           |
| BLM6B       | 5/8"-18                      | 0.375 | 9.53  | 0.313 | 7.95  | 0.820 | 20.83 | 9/16  | 5000           |
| BLM7B       | 3/4"-16                      | 0.406 | 10.31 | 0.406 | 10.31 | 1.020 | 25.91 | 11/16 | 3000           |
| BLM8B       | 7/8"-14                      | 0.469 | 11.91 | 0.313 | 7.95  | 1.160 | 29.46 | 13/16 | 2000           |
| BLM9B       | 1"-14                        | 0.500 | 12.70 | 0.313 | 7.95  | 1.250 | 31.75 | 7/8   | 1500           |
| BLM10B      | 1-1/16"-12                   | 0.594 | 15.09 | 0.313 | 7.95  | 1.450 | 36.83 | 1     | 1000           |
| BLM11B      | 1-3/16"-12                   | 0.594 | 15.09 | 0.344 | 8.74  | 1.500 | 38.10 | 1-1/8 | 1000           |
| BLM12B      | 1-5/16"-12                   | 0.594 | 15.09 | 0.344 | 8.74  | 1.740 | 44.20 | 1-1/4 | 1000           |
| BLM13B      | 1-5/8"-12                    | 0.594 | 15.09 | 0.344 | 8.74  | 2.156 | 54.76 | 1-1/2 | 700            |
| BLM14B      | 1-7/8"-12                    | 0.594 | 15.09 | 0.344 | 8.74  | 2.188 | 55.58 | 1-5/8 | 700            |

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TE & T Series  
Threaded Plugs for 37° JIC Flared Fittings

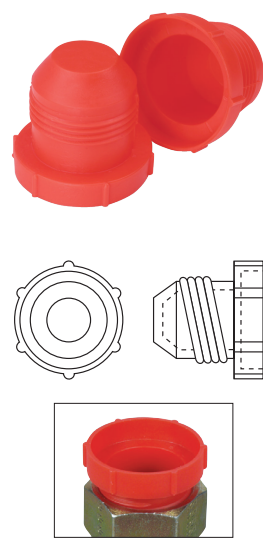
Specifications

- Material: Low-Density Polyethylene
- Color: Red
- Functionally equivalent to spec: NAS-833, NAS-815 (MIL-C5501/1, MIL-C52078)

Features

- Designed with a knurled head for easy finger installation
- Used to seal light pressure requirements on 37° JIC flared fittings

| Part Number |         | Tubing Size in | To Fit JIC Thread Size | JIC Fitting Size | Bulk Pack Qty. |      |
|-------------|---------|----------------|------------------------|------------------|----------------|------|
|             |         |                |                        |                  | TE             | T    |
| TE1000A     | T1A     | 1/8            | 5/16"-24               | 2                | 5000           | 4000 |
| TE1005A     | T2A     | 3/16           | 3/8"-24                | 3                | 5000           | 8500 |
| TE1010A     | T3A     | 1/4            | 7/16"-20               | 4                | 5000           | 6500 |
| TE1015A     | T4A     | 5/16           | 1/2"-20                | 5                | 5000           | 6500 |
| TE1020A     | T5A     | 3/8            | 9/16"-18               | 6                | 5000           | 4500 |
| TE1025A     | T6A     | 3/8            | 5/8"-18                | —                | 5000           | 4500 |
| TE1030A     | T7A     | 1/2            | 3/4"-16                | 8                | 2500           | 2200 |
| TE1035A     | T8A     | 5/8            | 7/8"-14                | 10               | 2500           | 1800 |
| TE1040A     | T9A     | 3/4            | 1-1/16"-12             | 12               | 2500           | 900  |
| TE1045A     | T10A    | 3/4            | 1-1/16"-14             | —                | 1000           | 1000 |
| TE1050A     | —       | 7/8            | 1-3/16"-12             | 14               | 2500           | —    |
| TE1055A     | T12A    | 1              | 1-5/16"-12             | 16               | 1000           | —    |
| TE1060A     | —       | —              | 1-1/2"-12              | —                | 1000           | —    |
| TE1065A     | MPN261A | 1-1/4          | 1-5/8"-12              | 20               | 1000           | —    |
| TE1070A     | —       | —              | 1-3/4"-12              | —                | 1000           | —    |
| TE1075A     | —       | 1-1/2          | 1-7/8"-12              | 24               | 500            | —    |
| TE1080A     | —       | 1-3/4          | 2-1/4"-12              | 28               | 500            | —    |
| TE1085A     | —       | 2              | 2-1/2"-12              | 32               | 500            | —    |



TF Series  
Threaded Plugs for Flat Faced O-Ring Hydraulic Fittings

Specifications

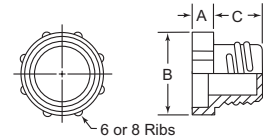
- Material: Low-Density Polyethylene
- Color: Red

Features

- Head designed with 6 or 8 ribs for simple hand or mechanical installation
- Used to protect flat-faced O-Ring hydraulic fittings



| Part Number | Tubing Size In | To Fit Thread Size | A     |      | B     |       | C     |      | Bulk Pack Qty. |
|-------------|----------------|--------------------|-------|------|-------|-------|-------|------|----------------|
|             |                |                    | in    | mm   | in    | mm    | in    | mm   |                |
| TF10A       | 1/4            | 9/16"-18           | 0.250 | 6.40 | 0.690 | 17.50 | 0.380 | 9.50 | 5000           |
| TF20A       | 3/8            | 11/16"-16          | 0.250 | 6.40 | 0.870 | 22.10 | 0.410 | 10.4 | 5000           |
| TF30A       | 1/2            | 13/16"-16          | 0.250 | 6.40 | 0.940 | 23.90 | 0.470 | 11.9 | 5000           |
| TF40A       | 5/8            | 1"-14              | 0.250 | 6.40 | 1.160 | 29.50 | 0.570 | 14.5 | 2500           |
| TF50A       | 3/4            | 1 3/16"-12         | 0.250 | 6.40 | 1.320 | 33.50 | 0.610 | 15.5 | 2500           |
| TF60A       | 1              | 1 7/16"-12         | 0.250 | 6.40 | 1.650 | 41.40 | 0.690 | 17.5 | 1000           |



FP Series  
NS & NF Class 1-2-3 Threaded Plugs (O-Ring Optional)

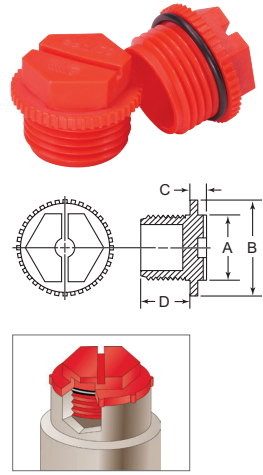
Specifications

- Material: Polypropylene
- Color: Red

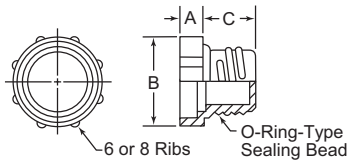
Features

- Can be applied or removed by hand, hex wrench or screwdriver
- The FP Series plug will fit NS and NF Class 1-2-3 Standard Threads
- Optional O-Ring gives this part a watertight seal for superior leakage protection

| Part Number | Part Number w/ O-Ring | To Plug Standard Thread Size | A     |       | B     |       | C     |      | D     |       | Bulk Pack Qty. |
|-------------|-----------------------|------------------------------|-------|-------|-------|-------|-------|------|-------|-------|----------------|
|             |                       |                              | in    | mm    | in    | mm    | in    | mm   | in    | mm    |                |
| FP104A      | FP104B                | 7/16"-20                     | 0.438 | 11.11 | 0.625 | 15.88 | 0.188 | 4.76 | 0.300 | 7.62  | 9500           |
| FP108A      | FP108B                | 9/16"-18                     | 0.500 | 12.70 | 0.781 | 19.84 | 0.188 | 4.76 | 0.350 | 8.89  | 5000           |
| FP110A      | FP110B                | 5/8"-18                      | 0.563 | 14.29 | 0.813 | 20.64 | 0.188 | 4.76 | 0.350 | 8.89  | 4500           |
| FP115A      | FP115B                | 3/4"-16                      | 0.688 | 17.46 | 0.938 | 23.81 | 0.188 | 4.76 | 0.440 | 11.18 | 2700           |
| FP120A      | FP120B                | 7/8"-14                      | 0.750 | 19.05 | 1.063 | 26.99 | 0.250 | 6.35 | 0.500 | 12.70 | 1800           |
| FP122A      | FP122B                | 1"-14                        | 0.750 | 19.05 | 1.188 | 30.16 | 0.250 | 6.35 | 0.470 | 11.94 | 1500           |







TMO Series Threaded Plugs for SAE O-Ring Ports

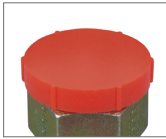
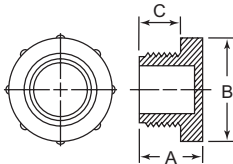
Specifications

- Material: High-Density Polyethylene
- Color: Red

Features

- Protects threaded components from dust, moisture and damage during protection, storage and shipment
- Designed with an easy to grip head for ease of hand installation
- Threads meet UN and UNS specifications
- Integral O-Ring type bead prevents leakage and entrance of contaminants

| Part Number | To Fit Standard Thread Size | A     |       | B     |       | C     |      | Bulk Pack Qty. |
|-------------|-----------------------------|-------|-------|-------|-------|-------|------|----------------|
|             |                             | In    | mm    | In    | mm    | In    | mm   |                |
| TMO104A     | 7/16"-20                    | 0.320 | 8.13  | 0.650 | 16.51 | 0.380 | 9.65 | 5500           |
| TMO105A     | 1/2"-20                     | 0.320 | 8.13  | 0.720 | 18.29 | 0.380 | 9.65 | 7500           |
| TMO106A     | 9/16"-18                    | 0.360 | 9.14  | 0.780 | 19.81 | 0.380 | 9.65 | 6000           |
| TMO108A     | 3/4"-16                     | 0.400 | 10.16 | 0.980 | 24.89 | 0.380 | 9.65 | 3500           |
| TMO110A     | 7/8"-14                     | 0.450 | 11.43 | 1.110 | 28.19 | 0.380 | 9.65 | 2100           |
| TMO112A     | 1-1/16"-12                  | 0.620 | 15.75 | 1.310 | 33.27 | 0.380 | 9.65 | 1200           |
| TMO116A     | 1-5/16"-12                  | 0.620 | 15.75 | 1.560 | 39.62 | 0.380 | 9.65 | 700            |
| TMO120A     | 1-5/8"-12                   | 0.620 | 15.75 | 1.880 | 47.75 | 0.380 | 9.65 | 700            |



TPUNF Series UNF/JIC Threaded Plugs

Specifications

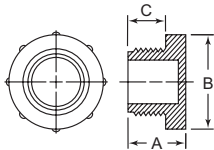
- Material: Low-Density Polyethylene
- Color: Red

Features

- Knurled head for easy grip
- Secure fit for excellent protection against dirt, moisture and corrosion

| Part Number | To Fit UNF/JIC Thread Size | A     |       | B     |       | C     |       | Bulk Pack Qty. |
|-------------|----------------------------|-------|-------|-------|-------|-------|-------|----------------|
|             |                            | In    | mm    | In    | mm    | In    | mm    |                |
| 10498A      | 5/16" - 18                 | 0.472 | 12.00 | 0.571 | 14.50 | 0.291 | 7.40  | 5000           |
| 10709A      | 5/16" - 24                 | 0.484 | 12.30 | 0.583 | 14.80 | 0.291 | 7.40  | 5000           |
| 10692A      | 3/8 - 24                   | 0.551 | 14.00 | 0.539 | 13.70 | 0.374 | 9.50  | 5000           |
| 10763A      | 7/16" - 20                 | 0.634 | 16.10 | 0.685 | 17.40 | 0.433 | 11.00 | 5000           |
| 12031A      | 7/16" - 24                 | 0.476 | 12.10 | 0.701 | 17.80 | 0.28  | 7.10  | 5000           |
| 10696A      | 1/2" - 20                  | 0.602 | 15.30 | 0.728 | 18.50 | 0.413 | 10.50 | 5000           |
| 10668A      | 9/16" - 18                 | 0.606 | 15.40 | 0.890 | 22.60 | 0.421 | 10.70 | 5000           |
| 12033A      | 9/16" - 24                 | 0.535 | 13.60 | 0.744 | 18.90 | 0.354 | 9.00  | 5000           |
| 10940A      | 5/8" - 18                  | 0.583 | 14.80 | 0.827 | 21.00 | 0.394 | 10.00 | 5000           |
| 12965A      | 5/8" - 24                  | 0.583 | 14.80 | 0.815 | 20.70 | 0.394 | 10.00 | 5000           |
| 12786A      | 11/16" - 16                | 0.713 | 18.10 | 1.008 | 25.60 | 0.531 | 13.50 | 3000           |

| Part Number | To Fit UNF/JIC Thread Size | A     |       | B     |       | C     |       | Bulk Pack Qty. |
|-------------|----------------------------|-------|-------|-------|-------|-------|-------|----------------|
|             |                            | In    | mm    | In    | mm    | In    | mm    |                |
| 10575A      | 3/4" - 16                  | 0.736 | 18.70 | 1.063 | 27.00 | 0.543 | 13.80 | 3000           |
| 12827A      | 13/16" - 16                | 0.713 | 18.10 | 1.051 | 26.70 | 0.531 | 13.50 | 2500           |
| 10326A      | 7/8" - 14                  | 0.728 | 18.50 | 1.134 | 28.80 | 0.535 | 13.60 | 2500           |
| 12785A      | 1" - 14                    | 0.701 | 17.80 | 1.26  | 32.00 | 0.52  | 13.20 | 2000           |
| 10460A      | 1-1/16" - 12               | 0.724 | 18.40 | 1.315 | 33.40 | 0.543 | 13.80 | 2000           |
| 12359A      | 1-1/16" - 14               | 0.720 | 18.30 | 1.311 | 33.30 | 0.539 | 13.70 | 2000           |
| 11506A      | 1-3/16" - 12               | 0.72  | 18.30 | 1.449 | 36.80 | 0.531 | 13.50 | 1500           |
| 10671A      | 1-5/16" - 12               | 0.642 | 16.30 | 1.547 | 39.30 | 0.433 | 11.00 | 1500           |
| 11752A      | 1-5/8" - 12                | 0.681 | 17.30 | 1.992 | 50.60 | 0.508 | 12.90 | 800            |
| 11755A      | 1-7/8" - 12                | 0.886 | 22.50 | 2.299 | 58.40 | 0.657 | 16.70 | 400            |
| 12040A      | 2-1/2" - 12                | 0.811 | 20.60 | 2.898 | 73.60 | 0.591 | 15.00 | 300            |



TP Metric & TPBSP Series Metric & BSP Threaded Plugs

Specifications

- Material: Low-Density Polyethylene
- Color: Red

Features

- Accommodates an extensive range of metric and BSP/Gas threaded sizes
- Knurled head for easy grip
- Secure fit for excellent protection against dirt, moisture and corrosion

BSP/Gas Threads

| Part Number | To Fit Metric Thread Size | A     |       | B     |       | C     |       | Bulk Pack Qty. |
|-------------|---------------------------|-------|-------|-------|-------|-------|-------|----------------|
|             |                           | In    | mm    | In    | mm    | In    | mm    |                |
| 12011A      | M8 x 1                    | 0.562 | 14.27 | 0.484 | 12.29 | 0.374 | 9.50  | 5000           |
| 12012A      | M10 x 1                   | 0.574 | 14.58 | 0.602 | 15.29 | 0.409 | 10.39 | 5000           |
| 12013A      | M12 x 1                   | 0.657 | 16.69 | 0.728 | 18.49 | 0.421 | 10.69 | 5000           |
| *12017A     | M12 x 1.5                 | 0.641 | 16.28 | 0.657 | 16.69 | 0.342 | 8.69  | 5000           |
| *12018A     | M14 x 1.5                 | 0.677 | 17.20 | 0.728 | 18.49 | 0.374 | 9.50  | 5000           |
| 12019A      | M16 x 1.5                 | 0.677 | 17.20 | 0.866 | 22.00 | 0.492 | 12.50 | 3000           |
| 10458A      | M18 x 1.5                 | 0.720 | 18.29 | 0.960 | 24.38 | 0.539 | 13.69 | 4000           |
| 12020A      | M20 x 1.5                 | 0.716 | 18.19 | 1.035 | 26.29 | 0.551 | 14.00 | 3000           |
| 10128A      | M22 x 1.5                 | 0.720 | 18.29 | 1.110 | 28.19 | 0.539 | 13.69 | 3000           |
| 12021A      | M24 x 1.5                 | 0.728 | 18.49 | 1.232 | 31.29 | 0.543 | 13.79 | 2000           |
| 12022A      | M25 x 1.5                 | 0.728 | 18.49 | 1.232 | 31.30 | 0.551 | 14.00 | 2500           |
| 12023A      | M26 x 1.5                 | 0.736 | 18.69 | 1.287 | 32.69 | 0.543 | 13.79 | 2000           |
| 12030A      | M52 x 1.5                 | 0.846 | 21.50 | 2.508 | 63.70 | 0.610 | 15.50 | 500            |

\* The 12017A and the 12018A have a hexagonal head

Metric Threads

| Part Number | To Fit BSP/ Gas Thread Size | A     |       | B     |        | C     |       | Bulk Pack Qty. |
|-------------|-----------------------------|-------|-------|-------|--------|-------|-------|----------------|
|             |                             | In    | mm    | In    | mm     | In    | mm    |                |
| 10651A      | 1/8" x 28                   | 0.413 | 10.50 | 0.646 | 16.40  | 0.165 | 4.20  | 5000           |
| 10588A      | 1/4" x 19                   | 0.504 | 12.80 | 0.740 | 18.80  | 0.256 | 6.50  | 5000           |
| 10996A      | 3/8" x 19                   | 0.472 | 12.00 | 0.902 | 22.90  | 0.217 | 5.50  | 5000           |
| 10590A      | 1/2" x 14                   | 0.681 | 17.30 | 1.102 | 28.00  | 0.406 | 10.30 | 3000           |
| 10511A      | 5/8" x 14                   | 0.724 | 18.40 | 1.232 | 31.30  | 0.547 | 13.90 | 2500           |
| 10731A      | 3/4" x 14                   | 0.669 | 17.00 | 1.272 | 32.30  | 0.433 | 11.00 | 2000           |
| 11429B      | 7/8" x 14                   | 0.713 | 18.10 | 1.496 | 38.00  | 0.531 | 13.50 | 1500           |
| 10810A      | 1" x 11                     | 0.665 | 16.90 | 1.567 | 39.80  | 0.425 | 10.80 | 1500           |
| 10459A      | 1-1/4" x 11                 | 0.823 | 20.90 | 1.965 | 49.90  | 0.591 | 15.00 | 800            |
| 11242A      | 1-1/2" x 11                 | 0.665 | 16.90 | 2.173 | 55.20  | 0.425 | 10.80 | 600            |
| 10496A      | 2" x 11                     | 0.689 | 17.50 | 2.902 | 73.70  | 0.421 | 10.70 | 400            |
| 10319A      | 3" x 11                     | 0.650 | 16.50 | 4.134 | 105.00 | 0.445 | 11.30 | 150            |

O-Ring Threaded Plugs

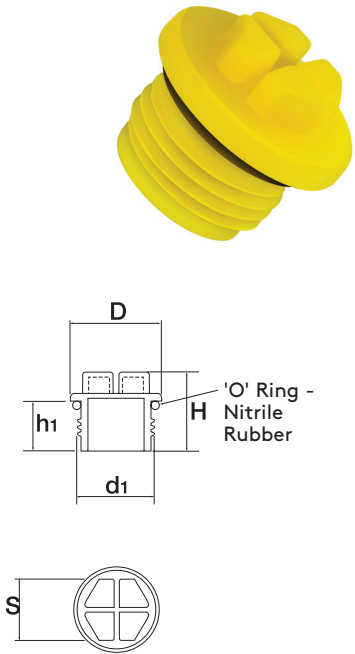
Specifications

- Material: High density polyethylene (HDPE)
- Color: Yellow

Features

- Metric thread
- Can be applied or removed by spanner, screwdriver or socket; manually or with a tool

| Part Number | Thread Size (d1) | Dimensions (mm) |      |      |      | Std Pack Qty |
|-------------|------------------|-----------------|------|------|------|--------------|
|             |                  | D               | H    | h1   | S    |              |
| 498659      | M8 x 1           | 12.5            | 17.0 | 10.0 | 6.0  | 500          |
| 498660      | M10 x 1          | 14.5            | 17.2 | 10.0 | 7.0  | 500          |
| 498661      | M12 x 1          | 17.0            | 17.2 | 10.0 | 10.0 | 500          |
| 498662      | M10 x 1.5        | 14.5            | 19.2 | 12.0 | 7.0  | 500          |
| 498663      | M12 x 1.5        | 17.0            | 19.2 | 12.0 | 10.0 | 500          |
| 498664      | M14 x 1.5        | 22.0            | 19.2 | 12.0 | 10.0 | 500          |
| 498540      | M16 x 1.5        | 24.0            | 20.4 | 12.0 | 13.0 | 500          |
| 498541      | M18 x 1.5        | 24.0            | 20.4 | 12.0 | 13.0 | 500          |
| 498542      | M20 x 1.5        | 26.0            | 20.4 | 12.0 | 15.0 | 250          |
| 498665      | M22 x 1.5        | 28.0            | 20.4 | 12.0 | 15.0 | 250          |
| 498543      | M24 x 1.5        | 30.0            | 20.4 | 12.0 | 17.0 | 250          |
| 498544      | M26 x 1.5        | 32.0            | 20.4 | 12.0 | 19.0 | 250          |
| 498546      | M30 x 1.5        | 38.0            | 20.6 | 12.0 | 22.0 | 250          |
| 498547      | M32 x 1.5        | 40.0            | 20.6 | 12.0 | 24.0 | 250          |
| 498666      | M36 x 1.5        | 45.0            | 20.6 | 12.0 | 24.0 | 100          |
| 498667      | M38 x 1.5        | 48.0            | 20.6 | 12.0 | 24.0 | 100          |
| 498668      | M27 x 2.0        | 33.0            | 24.6 | 15.0 | 19.0 | 250          |
| 498548      | M30 x 2.0        | 38.0            | 24.6 | 15.0 | 22.0 | 250          |
| 498549      | M33 x 2.0        | 40.0            | 24.6 | 15.0 | 24.0 | 250          |
| 498550      | M36 x 2.0        | 45.0            | 24.6 | 15.0 | 24.0 | 100          |
| 498669      | M42 x 2.0        | 50.0            | 24.6 | 15.0 | 24.0 | 100          |
| 498551      | M45 x 2.0        | 52.0            | 25.0 | 15.0 | 30.0 | 100          |
| 498670      | M48 x 2.0        | 55.0            | 25.0 | 15.0 | 30.0 | 100          |
| 498671      | M52 x 2.0        | 60.0            | 25.0 | 15.0 | 7.0  | 100          |



Metric Threaded O-Ring Plugs

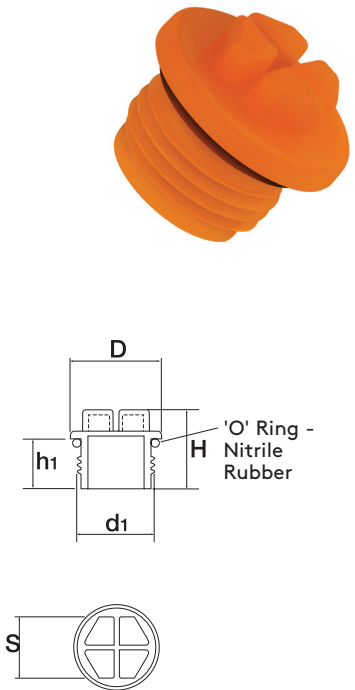
Specifications

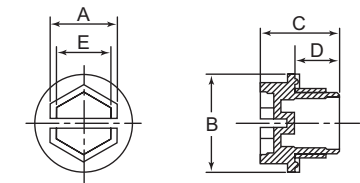
- Material: Nylon
- Color: Orange

Features

- Metric thread
- Can be applied or removed by spanner, screwdriver or socket; manually or with a tool
- Nylon is recommended where higher abrasion and slightly higher temperatures are needed where a polyethylene plug will not work

| Part Number | Thread Size (d1) | Dimensions (mm) |      |      |      | Std Pack Qty |
|-------------|------------------|-----------------|------|------|------|--------------|
|             |                  | D               | H    | h1   | S    |              |
| 900535      | M8 x 1           | 12.5            | 17.0 | 10.0 | 6.0  | 500          |
| 900536      | M10 x 1          | 14.5            | 17.2 | 10.0 | 7.0  | 500          |
| 900537      | M12 x 1          | 17.0            | 17.2 | 10.0 | 10.0 | 500          |
| 900538      | M10 x 1.5        | 14.5            | 19.2 | 12.0 | 7.0  | 500          |
| 900539      | M12 x 1.5        | 17.0            | 19.2 | 12.0 | 10.0 | 500          |
| 900540      | M14 x 1.5        | 22.0            | 19.2 | 12.0 | 10.0 | 500          |
| 900541      | M16 x 1.5        | 24.0            | 20.4 | 12.0 | 13.0 | 500          |
| 900542      | M18 x 1.5        | 24.0            | 20.4 | 12.0 | 13.0 | 500          |
| 900543      | M20 x 1.5        | 26.0            | 20.4 | 12.0 | 15.0 | 250          |
| 900544      | M22 x 1.5        | 28.0            | 20.4 | 12.0 | 15.0 | 250          |
| 900545      | M24 x 1.5        | 30.0            | 20.4 | 12.0 | 17.0 | 250          |
| 900546      | M26 x 1.5        | 32.0            | 20.4 | 12.0 | 19.0 | 250          |
| 900547      | M30 x 1.5        | 38.0            | 20.6 | 12.0 | 22.0 | 250          |
| 900548      | M32 x 1.5        | 40.0            | 20.6 | 12.0 | 24.0 | 250          |
| 900549      | M36 x 1.5        | 45.0            | 20.6 | 12.0 | 24.0 | 100          |
| 900550      | M38 x 1.5        | 48.0            | 20.6 | 12.0 | 24.0 | 100          |
| 900551      | M27 x 2.0        | 33.0            | 24.6 | 15.0 | 19.0 | 250          |
| 900552      | M30 x 2.0        | 38.0            | 24.6 | 15.0 | 22.0 | 250          |
| 900553      | M33 x 2.0        | 40.0            | 24.6 | 15.0 | 24.0 | 250          |
| 900554      | M36 x 2.0        | 45.0            | 24.6 | 15.0 | 24.0 | 100          |
| 900555      | M42 x 2.0        | 50.0            | 24.6 | 15.0 | 24.0 | 100          |
| 900556      | M45 x 2.0        | 52.0            | 25.0 | 15.0 | 30.0 | 100          |
| 900557      | M48 x 2.0        | 55.0            | 25.0 | 15.0 | 30.0 | 100          |
| 900558      | M52 x 2.0        | 60.0            | 25.0 | 15.0 | 7.0  | 100          |





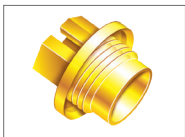
TSSP Series  
 Sealing Threaded Plugs for UNF/METRIC/BSP Threads

Specifications

- Material: Nylon
- Color: Yellow

Features

- The double sealing ring design on the underside of the flange provides a positive seal
- Design includes five complete threads for a secure fit
- Can be manually applied or removed with a screwdriver, spanner, socket or allen key with power tools
- Head designed not to trap liquid
- The nylon material absorbs paint, keeping paint flakes to a minimum
- Nylon is recommended for intermittent temperatures of 320°F (160°C) to -40°F (-40°C)



See inside back cover for Application Wizards.

UNF Threads

| Part Number    | To Fit UNF Thread Size | A     |      | B     |      | C     |      | D     |      | E     |      | Bulk Pack Qty. |
|----------------|------------------------|-------|------|-------|------|-------|------|-------|------|-------|------|----------------|
|                |                        | In    | mm   | In    | mm   | In    | mm   | In    | mm   | In    | mm   |                |
| TSSP3/8-24A    | 3-8"-24                | 0.354 | 9.0  | 0.630 | 16.0 | 0.689 | 17.5 | 0.394 | 10.0 | 0.236 | 6.0  | 5000           |
| TSSP7/16-20A   | 7/16"-20               | 0.394 | 10.0 | 0.669 | 17.0 | 0.689 | 17.5 | 0.394 | 10.0 | 0.276 | 7.0  | 5000           |
| TSSP1/2-20A    | 1/2"-20                | 0.512 | 13.0 | 0.748 | 19.0 | 0.689 | 17.5 | 0.394 | 10.0 | 0.394 | 10.0 | 3000           |
| TSSP9/16-18A   | 9/16"-18               | 0.512 | 13.0 | 0.807 | 20.5 | 0.689 | 17.5 | 0.394 | 10.0 | 0.394 | 10.0 | 3000           |
| TSSP5/8-18A    | 5/8"-18                | 0.591 | 15.0 | 0.866 | 22.0 | 0.689 | 17.5 | 0.394 | 10.0 | 0.472 | 12.0 | 3000           |
| TSSP3/4-16A    | 3/4"-16                | 0.748 | 19.0 | 1.024 | 26.0 | 0.689 | 17.5 | 0.394 | 10.0 | 0.630 | 16.0 | 3000           |
| TSSP7/8-14A    | 7/8"-14                | 0.827 | 21.0 | 1.122 | 28.5 | 0.768 | 19.5 | 0.472 | 12.0 | 0.709 | 18.0 | 3000           |
| TSSP1-14A      | 1"-14                  | 0.945 | 24.0 | 1.240 | 31.5 | 0.768 | 19.5 | 0.472 | 12.0 | 0.827 | 21.0 | 1000           |
| TSSP1-1/16-12A | 1-1/16"-12             | 0.945 | 24.0 | 1.299 | 33.0 | 0.768 | 19.5 | 0.472 | 12.0 | 0.827 | 21.0 | 1000           |
| TSSP1-3/16-12A | 1-3/16"-12             | 1.181 | 30.0 | 1.437 | 36.5 | 0.886 | 22.5 | 0.591 | 15.0 | 1.063 | 27.0 | 1000           |
| TSSP1-5/16-12A | 1-5/16"-12             | 1.181 | 30.0 | 1.575 | 40.0 | 0.886 | 22.5 | 0.591 | 15.0 | 1.063 | 27.0 | 1000           |
| TSSP1-5/8-12A  | 1-5/8"-12              | 1.417 | 36.0 | 1.870 | 47.5 | 0.886 | 22.5 | 0.591 | 15.0 | 1.299 | 33.0 | 500            |
| TSSP1-7/8-12A  | 1-7/8"-12              | 1.417 | 36.0 | 2.126 | 54.0 | 0.886 | 22.5 | 0.591 | 15.0 | 1.299 | 33.0 | 500            |

Metric Threads

| Part Number  | To Fit Metric Thread Size | A     |      | B     |      | C     |      | D     |      | E     |      | Bulk Pack Qty. |
|--------------|---------------------------|-------|------|-------|------|-------|------|-------|------|-------|------|----------------|
|              |                           | In    | mm   | In    | mm   | In    | mm   | In    | mm   | In    | mm   |                |
| 462836A      | M8 x 1                    | 0.276 | 7.0  | 0.492 | 12.5 | 0.610 | 15.5 | 0.315 | 8.0  | 0.157 | 4.0  | 5000           |
| 462837A      | M10 x 1                   | 0.354 | 9.0  | 0.571 | 14.5 | 0.650 | 16.5 | 0.354 | 9.0  | 0.236 | 6.0  | 5000           |
| TSSPM10X1.5A | M10 x 1.5                 | 0.354 | 9.0  | 0.571 | 14.5 | 0.650 | 16.5 | 0.354 | 9.0  | 0.236 | 6.0  | 500            |
| TSSPM12X1A   | M12 x 1                   | 0.394 | 10.0 | 0.669 | 17.0 | 0.650 | 16.5 | 0.354 | 9.0  | 0.276 | 7.0  | 500            |
| 462838A      | M12 x 1.5                 | 0.394 | 10.0 | 0.669 | 17.0 | 0.650 | 16.5 | 0.354 | 9.0  | 0.276 | 7.0  | 5000           |
| 462839A      | M14 x 1.5                 | 0.512 | 13.0 | 0.748 | 19.0 | 0.689 | 17.5 | 0.394 | 10.0 | 0.394 | 10.0 | 5000           |
| 462840A      | M16 x 1.5                 | 0.591 | 15.0 | 0.878 | 22.3 | 0.689 | 17.5 | 0.366 | 9.3  | 0.472 | 12.0 | 5000           |
| 462841A      | M18 x 1.5                 | 0.669 | 17.0 | 0.945 | 24.0 | 0.689 | 17.5 | 0.394 | 10.0 | 0.551 | 14.0 | 3000           |
| 462842A      | M20 x 1.5                 | 0.748 | 19.0 | 1.024 | 26.0 | 0.689 | 17.5 | 0.394 | 10.0 | 0.630 | 16.0 | 3000           |
| 462843A      | M22 x 1.5                 | 0.827 | 21.0 | 1.102 | 28.0 | 0.689 | 17.5 | 0.394 | 10.0 | 0.709 | 18.0 | 3000           |
| TSSPM24X1.5A | M24 x 1.5                 | 0.945 | 24.0 | 1.181 | 30.0 | 0.689 | 17.5 | 0.394 | 10.0 | 0.827 | 21.0 | 500            |
| TSSPM26X1.5A | M26 x 1.5                 | 0.945 | 24.0 | 1.260 | 32.0 | 0.807 | 20.5 | 0.472 | 12.0 | 0.827 | 21.0 | 500            |
| 466977A      | M27 x 1.5                 | 0.945 | 24.0 | 1.299 | 33.0 | 0.807 | 20.5 | 0.472 | 12.0 | 0.827 | 21.0 | 500            |
| 466985A      | M27 x 2                   | 0.945 | 24.0 | 1.299 | 33.0 | 0.866 | 22   | 0.531 | 13.5 | 0.827 | 21.0 | 250            |
| TSSPM28X1.5A | M28 x 1.5                 | 0.945 | 24.0 | 1.339 | 34.0 | 0.807 | 20.5 | 0.472 | 12.0 | 0.827 | 21.0 | 500            |
| TSSPM30X1.5A | M30 x 1.5                 | 0.945 | 24.0 | 1.496 | 38.0 | 0.807 | 20.5 | 0.472 | 12.0 | 0.827 | 21.0 | 500            |
| TSSPM30X2A   | M30 x 2                   | 0.945 | 24.0 | 1.496 | 38.0 | 0.866 | 22   | 0.531 | 13.5 | 0.827 | 21.0 | 250            |
| TSSPM32X1.5A | M32 x 1.5                 | 0.945 | 24.0 | 1.575 | 40.0 | 0.807 | 20.5 | 0.472 | 12.0 | 0.827 | 21.0 | 500            |
| TSSPM33X2A   | M33 x 2                   | 0.945 | 24.0 | 1.575 | 40.0 | 0.866 | 22   | 0.531 | 13.5 | 0.827 | 21.0 | 250            |
| TSSPM36X1.5A | M36 x 1.5                 | 0.945 | 24.0 | 1.772 | 45.0 | 0.807 | 20.5 | 0.472 | 12.0 | 0.827 | 21.0 | 500            |
| TSSPM36X2A   | M36 x 2                   | 0.945 | 24.0 | 1.772 | 45.0 | 0.866 | 22   | 0.531 | 13.5 | 0.827 | 21.0 | 250            |
| TSSPM38X1.5A | M38 x 1.5                 | 0.945 | 24.0 | 1.890 | 48.0 | 0.807 | 20.5 | 0.472 | 12.0 | 0.827 | 21.0 | 250            |
| TSSPM42X2A   | M42 x 2                   | 1.181 | 30.0 | 1.969 | 50.0 | 0.866 | 22   | 0.531 | 13.5 | 1.063 | 27.0 | 250            |
| TSSPM45X1.5A | M45 x 1.5                 | 1.181 | 30.0 | 2.047 | 52.0 | 0.846 | 21.5 | 0.472 | 12.0 | 1.063 | 27.0 | 250            |
| TSSPM45X2A   | M45 x 2                   | 1.181 | 30.0 | 1.969 | 50.0 | 0.866 | 22   | 0.531 | 13.5 | 1.063 | 27.0 | 250            |
| TSSPM48X2A   | M48 x 2                   | 1.181 | 30.0 | 2.165 | 55.0 | 0.906 | 23   | 0.531 | 13.5 | 1.063 | 27.0 | 100            |
| TSSPM52X1.5A | M52 x 1.5                 | 1.181 | 30.0 | 2.362 | 60.0 | 0.866 | 22   | 0.472 | 12.0 | 1.063 | 27.0 | 250            |
| TSSPM52X2A   | M52 x 2                   | 1.181 | 30.0 | 2.362 | 60.0 | 0.906 | 23   | 0.531 | 13.5 | 1.063 | 27.0 | 100            |

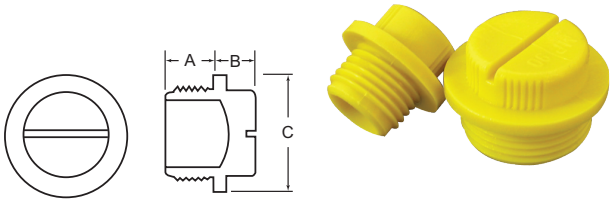
MP Series NS & NF Class 1-2-3 Threaded Plugs

Specifications

- Material: Acetate
- Color: Yellow

Features

- Will fit NS and NF Class 1-2-3 standard threads Go Gage only
- The MP531B fit NC threads only
- Can be applied or removed by hand, wrench or screwdriver



| Part Number | To Plug Standard Thread Size | A     |      | B     |      | C     |       | Bulk Pack Qty. |
|-------------|------------------------------|-------|------|-------|------|-------|-------|----------------|
|             |                              | In    | mm   | In    | mm   | In    | mm    |                |
| MP70B       | 3/8"-24                      | 0.312 | 7.93 | 0.343 | 8.73 | 0.625 | 15.87 | 3500           |
| MP73B       | 7/16"-20                     | 0.312 | 7.93 | 0.375 | 9.52 | 0.687 | 17.46 | 3700           |
| MP531B      | 1/2"-13                      | 0.375 | 9.52 | 0.375 | 9.52 | 0.875 | 22.22 | 3000           |
| MP76B       | 1/2"-20                      | 0.375 | 9.52 | 0.375 | 9.52 | 0.750 | 19.05 | 3300           |
| MP78B       | 9/16"-18                     | 0.375 | 9.52 | 0.375 | 9.52 | 0.812 | 20.63 | 2500           |
| MP81B       | 3/4"-16                      | 0.375 | 9.52 | 0.343 | 8.73 | 1.000 | 25.40 | 1600           |
| MP90B       | 7/8"-18                      | 0.375 | 9.52 | 0.343 | 8.73 | 1.062 | 26.97 | 1300           |
| MP95B       | 1-1/8"-12                    | 0.375 | 9.52 | 0.343 | 8.73 | 1.312 | 33.32 | 1000           |

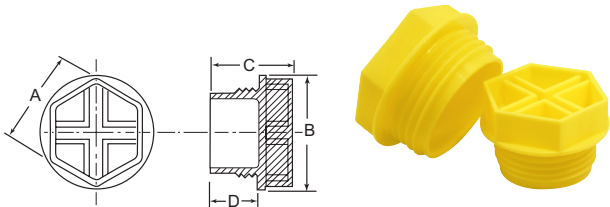
TSP Series Metric & BSP Threaded Plugs

Specifications

- Material: High-Density Polyethylene
- Color: Yellow

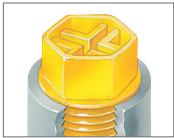
Features

- Can be manually applied or removed with a screwdriver, spanner or socket, or with power tools
- Designed with short threads for fast assembly and removal



Metric

| Part Number | To Fit Metric Thread Size | A     |       | B     |       | C     |       | D     |       | Bulk Pack Qty. |
|-------------|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|----------------|
|             |                           | In    | mm    | In    | mm    | In    | mm    | In    | mm    |                |
| 12139A      | M8 x 1                    | 0.394 | 10.00 | 0.472 | 12.00 | 0.551 | 14.00 | 0.276 | 7.00  | 5000           |
| 12140A      | M10 x 1                   | 0.472 | 12.00 | 0.551 | 14.00 | 0.512 | 13.00 | 0.236 | 6.00  | 5000           |
| 12141A      | M12 x 1                   | 0.512 | 13.00 | 0.630 | 16.00 | 0.630 | 16.00 | 0.354 | 9.00  | 5000           |
| 12142A      | M14 x 1                   | 0.630 | 16.00 | 0.748 | 19.00 | 0.669 | 17.00 | 0.354 | 9.00  | 3000           |
| 12144A      | M12 x 1.5                 | 0.512 | 13.00 | 0.630 | 16.00 | 0.669 | 17.00 | 0.354 | 9.00  | 5000           |
| 12145A      | M14 x 1.5                 | 0.630 | 16.00 | 0.748 | 19.00 | 0.669 | 17.00 | 0.354 | 9.00  | 5000           |
| 12146A      | M16 x 1.5                 | 0.709 | 18.00 | 0.827 | 21.00 | 0.748 | 19.00 | 0.394 | 10.00 | 3000           |
| 12147A      | M18 x 1.5                 | 0.787 | 20.00 | 0.945 | 24.00 | 0.748 | 19.00 | 0.394 | 10.00 | 3000           |
| 12148A      | M20 x 1.5                 | 0.866 | 22.00 | 1.024 | 26.00 | 0.827 | 21.00 | 0.472 | 12.00 | 3000           |



DP Series UNJ/UNJS Threaded Plugs

Specifications

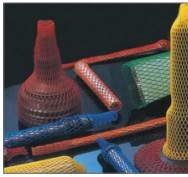
- Material: High-Density Polyethylene
- Color: Red

Features

- Protects threaded components from dust, moisture and damage during production, storage and shipment
- Designed with an easy to grip head for ease of hand installation
- Threads meet UNJ and UNJS specifications



| Part Number | To Cap UNJ/UNJS Thread Size | Tubing Size In | A     |      | B     |       | C     |       | Bulk Pack Qty. |
|-------------|-----------------------------|----------------|-------|------|-------|-------|-------|-------|----------------|
|             |                             |                | In    | mm   | In    | mm    | In    | mm    |                |
| DP3A        | 3/8"-28                     | 3/16           | 0.250 | 6.35 | 0.440 | 11.18 | 0.280 | 7.11  | 5000           |
| DP4A        | 7/16"-24                    | 1/4            | 0.310 | 7.87 | 0.560 | 14.22 | 0.300 | 7.62  | 5000           |
| DP5A        | 1/2"-24                     | 5/16           | 0.310 | 7.87 | 0.620 | 15.75 | 0.300 | 7.62  | 5000           |
| DP6A        | 9/16"-20                    | 3/8            | 0.310 | 7.87 | 0.690 | 17.53 | 0.320 | 8.13  | 5000           |
| DP8A        | 23/32"-20                   | 1/2            | 0.310 | 7.87 | 0.880 | 22.35 | 0.320 | 8.13  | 5000           |
| DP10A       | 27/32"-18                   | 5/8            | 0.310 | 7.87 | 1.000 | 25.40 | 0.400 | 10.16 | 2500           |
| DP12A       | 1"-16                       | 3/4            | 0.310 | 7.87 | 1.120 | 28.45 | 0.420 | 10.67 | 2500           |
| DP14A       | 1-1/8"-16                   | 7/8            | 0.250 | 6.35 | 1.250 | 31.75 | 0.450 | 11.43 | 2500           |
| DP16A       | 1-1/4"-14                   | 1              | 0.250 | 6.35 | 1.380 | 35.05 | 0.450 | 11.43 | 2000           |
| DP20A       | 1-33/64"-14                 | 1-1/4          | 0.250 | 6.35 | 1.620 | 41.15 | 0.450 | 11.43 | 1000           |
| DP21SA      | 1-37/64"-14                 | 1-1/4          | 0.250 | 6.35 | 1.750 | 44.45 | 0.460 | 11.68 | 1000           |
| DP24A       | 1-25/32"-14                 | 1-1/2          | 0.250 | 6.35 | 2.000 | 50.80 | 0.550 | 13.97 | 1000           |
| DP25SA      | 1-27/32"-14                 | 1-1/2          | 0.250 | 6.35 | 2.120 | 53.85 | 0.550 | 13.97 | 1000           |



FNC Series  
Flexible Protective Netting (Tector-Net)

Specifications

- Material: Low-Density Polyethylene
- Color: Refer to chart

Features

- Easily applied and removed
- Reduces labor cost, inventory cost, damage claims and returns
- Does not trap or retain moisture
- Stretches and wraps snugly around virtually any form

| Part Number  | Color  | Ø Flexible Range |                 | Roll Length |     | Pack Qty. |
|--------------|--------|------------------|-----------------|-------------|-----|-----------|
|              |        | in               | mm              | ft          | M   |           |
| FNC00250037S | Red    | 0.250 - 0.375    | 6.35 - 9.53     | 820         | 249 | 1         |
| FNC00250037L | Red    | 0.250 - 0.375    | 6.35 - 9.53     | 1500        | 457 | 1         |
| FNC00250050S | Orange | 0.375 - 0.500    | 6.35 - 12.70    | 820         | 249 | 1         |
| FNC00250050L | Orange | 0.375 - 0.500    | 6.35 - 12.70    | 1500        | 457 | 1         |
| FNC00500100S | Blue   | 0.500 - 1.000    | 12.70 - 25.40   | 820         | 249 | 1         |
| FNC00500100L | Blue   | 0.500 - 1.000    | 12.70 - 25.40   | 1500        | 457 | 1         |
| FNC01000200S | Yellow | 1.000 - 2.000    | 25.40 - 50.80   | 164         | 49  | 1         |
| FNC01000200L | Yellow | 1.000 - 2.000    | 25.40 - 50.80   | 1500        | 457 | 1         |
| FNC02000400S | Red    | 2.000 - 4.000    | 50.80 - 101.60  | 164         | 49  | 1         |
| FNC02000400L | Red    | 2.000 - 4.000    | 50.80 - 101.60  | 1500        | 457 | 1         |
| FNC04000600S | Green  | 4.000 - 6.000    | 101.60 - 152.40 | 164         | 49  | 1         |
| FNC06000800S | Brown  | 6.000 - 8.000    | 152.40 - 203.20 | 164         | 49  | 1         |

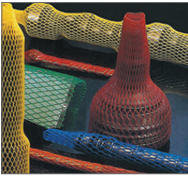
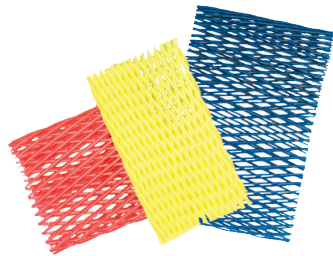
FNH Series  
Heavy Gauge Protective Netting

Specifications

- Material: Low-Density Polyethylene
- Color: Refer to chart

Features

- Easily applied and removed
- Reduces labor cost, inventory cost, damage claims and returns
- Does not trap or retain moisture
- Stretches and wraps snugly around virtually any form
- Heavier gauge material for applications that need a more durable protection



| Part Number | Color  | Ø Flexible Range |                 | Roll Length |     | Pack Qty. |
|-------------|--------|------------------|-----------------|-------------|-----|-----------|
|             |        | in               | mm              | ft          | M   |           |
| FNH0050LRA  | Blue   | 0.500 - 1.000    | 12.70 - 25.40   | 820         | 249 | 1         |
| FNH0125A    | Yellow | 1.250 - 1.625    | 31.75 - 41.28   | 82          | 24  | 1         |
| FNH0200A    | Red    | 2.000 - 2.500    | 50.80 - 63.50   | 82          | 24  | 1         |
| FNH0250A    | Green  | 2.500 - 3.000    | 63.50 - 76.20   | 82          | 24  | 1         |
| FNH0300A    | Green  | 3.000 - 4.000    | 76.20 - 101.60  | 82          | 24  | 1         |
| FNH0400A    | Yellow | 4.000 - 4.500    | 101.60 - 114.30 | 82          | 24  | 1         |
| FNH0475A    | Red    | 4.750 - 5.500    | 120.65 - 139.70 | 82          | 24  | 1         |
| FNH0550A    | Blue   | 5.500 - 6.750    | 139.70 - 171.45 | 82          | 24  | 1         |
| FNH0675A    | Green  | 6.750 - 8.000    | 171.45 - 203.20 | 82          | 24  | 1         |



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Tube & Hydraulic Fittings

Caps

Non-Threaded Caps

Threaded Caps

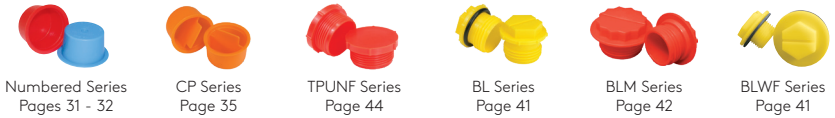


| Your Application |              |              | Non-Threaded Cap Choices |           |           |             | Threaded Cap Choices |          |
|------------------|--------------|--------------|--------------------------|-----------|-----------|-------------|----------------------|----------|
| Thread Size      | Tubing OD In | Fitting Size | Numbered Series          | E Series  | TS Series | DM Series   | TCUNF Series         | G Series |
| 5/16"-24         | 1/8          | -2           | 008A                     | —         | —         | DM0304-1/2A | —                    | —        |
| 3/8"-24          | 3/16         | -3           | 011A                     | E3/8A     | TS3A      | DM0360-1/2A | 10251A               | G1A      |
| 7/16"-20         | 1/4          | -4           | 013A                     | E7/16A    | TS4A      | DM0437-1/2A | 10332A               | G2A      |
| 1/2"-20          | 5/16         | -5           | 017A                     | E1/2A     | TS5A      | DM0490-1/2A | 10528A               | G5A      |
| 9/16"-18         | 3/8          | -6           | 020A                     | E9/16A    | TS6A      | DM0544-1/2A | 11041A               | G8A      |
| 5/8"-18          | 3/8          | —            | 021A                     | E5/8A     | TS10348A  | DM0600-1A   | 10653A               | G11A     |
| 11/16"-16        | —            | -7           | 026A                     | E11/16B   | TS7A      | DM0665-1A   | —                    | —        |
| 3/4"-16          | 1/2          | -8           | 028A                     | E3/4A     | TS8A      | DM0725-1A   | 12847A               | G14A     |
| 13/16"-16        | —            | -9           | 030A                     | E13/16A   | TS9A      | DM0750-1A   | 12825A               | —        |
| 7/8"-14          | 5/8          | -10          | 035A                     | E7/8A     | TS10A     | DM0843-1A   | 11089A               | G17A     |
| 1"-14            | —            | -11          | 041A                     | E1A       | TS11A     | DM0985-1A   | 12826A               | G21A     |
| 1-1/16"-12       | 3/4          | -12          | 042A                     | E1-1/16A  | TS12A     | DM1000-1A   | 10685A               | G22A     |
| 1-3/16"-12       | 7/8          | -13          | 1040A                    | E1-3/16B  | TS13A     | DM1125-1A   | 10163A               | G25A     |
| 1-5/16"-12       | 1            | -16          | 049A                     | E1-5/16B  | TS16A     | DM1250-1A   | 10151A               | G27A     |
| 1-7/16"-12       | —            | -17          | 053A                     | E1-7/16B  | TS17A     | DM1375-1A   | 10185A               | —        |
| 1-5/8"-12        | 1-1/4        | -20          | 056A                     | E1-5/8B   | TS20A     | DM1593-1A   | 11053A               | G30A     |
| 1-11/16"-12      | —            | -21          | 056A                     | E1-11/16B | TS21A     | DM1625-1A   | —                    | —        |
| 1-7/8"-12        | 1-1/2        | -24          | 062A                     | E1-7/8B   | TS24A     | DM1875-1A   | 11804A               | —        |
| 2-1/4"-12        | 1-3/4        | -28          | 072A                     | —         | —         | DM2156-1A   | —                    | —        |

Plugs

Non-Threaded Plugs

Threaded Plugs



| Your Application |              |              | Non-Threaded Plug Choices |           | Threaded Plug Choices |           |            |             |
|------------------|--------------|--------------|---------------------------|-----------|-----------------------|-----------|------------|-------------|
| Thread Size      | Tubing OD In | Fitting Size | Numbered Series           | CP Series | TPUNF Series          | BL Series | BLM Series | BLWF Series |
| 5/16"-24         | 1/8          | -2           | 005A                      | CP5A      | 10709A                | —         | —          | —           |
| 3/8"-24          | 3/16         | -3           | 007A                      | CP7A      | 10692A                | —         | —          | —           |
| 7/16"-20         | 1/4          | -4           | 008A                      | CP8A      | 10763A                | BL3A      | BLM3B      | BLWF100A    |
| 1/2"-20          | 5/16         | -5           | 010A                      | CP10A     | 10696A                | B4A       | BLM4B      | BLWF105A    |
| 9/16"-18         | 3/8          | -6           | 013A                      | CP14A     | 10668A                | BL5A      | BLM5B      | BLWF110A    |
| 5/8"-18          | 3/8          | —            | 014A                      | CP15B     | 10940A                | B6A       | BLM6B      | —           |
| 3/4"-16          | 1/2          | -8           | 021A                      | CP19A     | 10575A                | BL7A      | BLM7B      | BLWF115A    |
| 7/8"-14          | 5/8          | -10          | 026A                      | CP24A     | 10326A                | BL8A      | BLM8B      | BLWF120A    |
| 1"-14            | —            | —            | 030A                      | CP31A     | 12785A                | B9A       | BLM9B      | —           |
| 1-1/16"-12       | 3/4          | -12          | 035A                      | CP35A     | 10460A                | BL10A     | BLM10B     | BLWF125A    |
| 1-3/16"-12       | 7/8          | -13          | 041A                      | CP40A     | 11506A                | BL11A     | BLM11B     | BLWF130A    |
| 1-5/16"-12       | 1            | -16          | 044A                      | CP44A     | 10671A                | BL12A     | BLM12B     | BLWF135A    |
| 1-5/8"-12        | 1-1/4        | -20          | 052A                      | CP55A     | 11752A                | BL13A     | BLM13B     | BLWF140A    |
| 2-1/4"-12        | 1-3/4        | -28          | 066A                      | CP61A     | —                     | —         | —          | —           |

Metric Threads

Caps



| Your Application |                 |             |               |                  |
|------------------|-----------------|-------------|---------------|------------------|
| Thread Size      | Numbered Series | DM Series   | A & AR Series | TC Metric Series |
| M4               | 004A            | DM0148-1/2A | A5/32W/RA     | —                |
| M5               | 005A            | DM0187-1/2A | —             | —                |
| M6               | 006A            | DM0224-1/2A | —             | —                |
| M8 x 1           | 009A            | DM0304-1/2A | A5/16W/RA     | 12100A           |
| M10 x 1          | 012A            | DM0375-1/2A | AR100A        | 12101A           |
| M12 x 1          | 014A            | DM0460-1/2A | A1/2BA        | 12102A           |
| M12 x 1.5        | 1015A           | DM0460-1/2A | A1/2BA        | 12103A           |
| M14 x 1.5        | 018A            | DM0531-1/2A | —             | 12104A           |
| M16 x 1.5        | 022A            | DM0600-1A   | A5/8W/RA      | 12105A           |
| M18 x 1.5        | 027A            | DM0687-1A   | A11/16W/RA    | 12106A           |
| M20 x 1.5        | 030A            | DM0750-1A   | AR125A        | 12107A           |
| M22 x 1.5        | 035A            | DM0843-1A   | AR130A        | 12108A           |
| M24 x 1.5        | 040A            | DM0937-1A   | A15/16A       | 12109A           |
| M25 x 1.5        | 041A            | —           | A63/64A       | 12110A           |
| M26 x 1.5        | 041A            | DM1000-1A   | A1W/RA        | 12111A           |
| M27              | 042A            | DM1062-1A   | A1-1/16W/RA   | —                |
| M28 x 1.5        | 044A            | DM1090-1A   | —             | 12967A           |
| M30 x 2          | 1050A           | DM1125-1A   | —             | 12122A           |
| M35              | 051A            | DM1375-1A   | A1-3/8A       | —                |
| M39              | 055A            | DM1500-1A   | A1-1/2A       | —                |
| M42 x 2          | 056A            | DM1625-1A   | A1-5/8A       | 12124A           |
| M45              | 058A            | DM1750-1A   | A1-3/4A       | —                |
| M48              | 064A            | DM1875-1A   | A1-7/8A       | —                |
| M52 x 2          | 1085A           | DM2125-1A   | —             | 12126A           |
| M58              | 075A            | DM2250-1A   | A2-1/4A       | —                |

Metric Threads

Plugs



Numbered Series  
Pages 18 - 19



BP Series  
Page 34



TP Metric Series  
Page 44



TSSP Series  
Page 46



SF Series  
Page 39

| Your Application | Numbered Series | BP Series | TP Metric | TSSP Series | SF Series |
|------------------|-----------------|-----------|-----------|-------------|-----------|
| Thread Size      |                 |           |           |             |           |
| M6               | 002A            | BP1012A   | —         | —           | —         |
| M8 x 1           | 005A            | BP1018A   | 12011A    | 462836A     | —         |
| M10 x 1          | 007A            | BP1026A   | 12012A    | 462837A     | 10530A    |
| M12 x 1          | 010A            | BP1038A   | 12013A    | —           | 12363A    |
| M12 x 1.5        | 009A            | BP1034A   | 12017A    | 462838A     | 12363A    |
| M14 x 1.5        | 012A            | BP1044A   | 12018A    | 462839A     | 12363A    |
| M16 x 1.5        | 015A            | BP1056A   | 12019A    | 462840A     | 12364A    |
| M18 x 1.5        | 018A            | BP1060A   | 10458A    | 462841A     | 10314B    |
| M20 x 1.5        | 022A            | BP1068A   | 12020A    | 462842A     | 12365A    |
| M22 x 1.5        | 026A            | BP1074A   | 10128A    | 462843A     | 12366A    |
| M24 x 1.5        | 028A            | BP1086A   | 12021A    | —           | 12621A    |
| M26 x 1.5        | 030A            | BP1092A   | 12023A    | —           | 12367A    |
| M27              | 035A            | BP1100A   | —         | —           | —         |
| M28              | 040A            | BP1102A   | —         | —           | 12368A    |
| M30              | 041A            | BP1106A   | —         | —           | —         |
| M32              | 044A            | BP1112A   | —         | —           | 12369A    |
| M33              | 044A            | BP1114A   | —         | —           | —         |
| M36 x 2          | 045A            | BP1116A   | —         | —           | 12622A    |
| M38              | 048A            | BP1126A   | —         | —           | —         |
| M42 x 2          | 053A            | BP1134A   | —         | —           | 12598A    |
| M52 x 2          | 1080A           | BP1142A   | —         | —           | —         |

Non-Threaded Studs

Caps



Numbered Series  
Pages 18 - 19



A Series  
Page 23



DM Series  
Pages 21 - 22

| T0 Fit OD |       |       | Numbered Series | A Series    | DM Series   |
|-----------|-------|-------|-----------------|-------------|-------------|
| In        | Dec   | mm    |                 |             |             |
| 1/8       | 0.125 | 3.17  | 002A            | A1/8W/RA    | DM0125-1/2A |
| 3/16      | 0.187 | 4.75  | 005A            | A3/16W/RA   | DM0187-1/2A |
| 1/4       | 0.250 | 6.35  | 007A            | A1/4W/RA    | DM0250-1/2A |
| 5/16      | 0.312 | 7.92  | 009A            | A5/16W/RA   | DM0313-1/2A |
| 3/8       | 0.375 | 9.53  | 011A            | A3/8W/RA    | DM0375-1/2A |
| 7/16      | 0.437 | 11.10 | 014A            | A7/16W/RA   | DM0437-1/2A |
| 1/2       | 0.500 | 12.70 | 1020A           | A1/2W/RA    | DM0500-1A   |
| 9/16      | 0.562 | 14.27 | 020A            | A9/16W/RA   | DM0562-1A   |
| 5/8       | 0.625 | 15.88 | 022A            | A5/8W/RA    | DM0625-1A   |
| 11/16     | 0.687 | 17.45 | 026A            | A11/16W/RA  | DM0687-1A   |
| 3/4       | 0.750 | 19.05 | 028A            | A3/4W/RA    | DM0750-1A   |
| 13/16     | 0.812 | 20.62 | 031A            | A13/16W/RA  | DM0812-1A   |
| 7/8       | 0.875 | 22.23 | 039A            | A7/8W/RA    | DM0875-1A   |
| 15/16     | 0.937 | 23.80 | 040A            | A15/16A     | DM0937-1A   |
| 1         | 1.000 | 25.40 | 041A            | A1W/RA      | DM1000-1A   |
| 1-1/16    | 1.062 | 26.97 | 042A            | A1-1/16W/RA | DM1062-1A   |
| 1-1/8     | 1.125 | 28.58 | 1040A           | A1-1/8A     | DM1125-1A   |
| 1-3/16    | 1.187 | 30.15 | 045A            | A1-3/16W/RA | DM1187-1A   |
| 1-1/4     | 1.250 | 31.75 | 048A            | A1-1/4A     | DM1250-1A   |
| 1-5/16    | 1.312 | 33.32 | 051A            | A1-5/16W/RA | DM1312-1A   |
| 1-3/8     | 1.375 | 34.93 | 052A            | A1-3/8A     | DM1375-1A   |
| 1-7/16    | 1.437 | 36.50 | 053A            | A1-7/16A    | DM1437-1A   |
| 1-1/2     | 1.500 | 38.10 | 055A            | A1-1/2A     | DM1500-1A   |
| 1-9/16    | 1.562 | 39.67 | 055A            | A1-9/16A    | —           |
| 1-5/8     | 1.625 | 41.28 | 056A            | A1-5/8A     | DM1625-1A   |
| 1-11/16   | 1.687 | 42.85 | 057A            | A1-11/16A   | DM1687-1A   |
| 1-3/4     | 1.750 | 44.45 | 059A            | A1-3/4A     | DM1750-1A   |
| 1-13/16   | 1.812 | 46.02 | 060A            | —           | DM1812-1A   |
| 1-7/8     | 1.875 | 47.63 | 062A            | A1-7/8A     | DM1875-1A   |
| 1-15/16   | 1.937 | 49.20 | 063A            | —           | DM1937-1A   |
| 2         | 2.000 | 50.80 | 065A            | A2A         | DM2000-1A   |

Non-Threaded Holes

Plugs



Numbered Series  
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FT Series  
Page 35



CP Series  
Page 35

| To Fit OD |       |       | Numbered Series | FT Series | CP Series |
|-----------|-------|-------|-----------------|-----------|-----------|
| In        | Dec   | mm    |                 |           |           |
| 1/8       | 0.125 | 3.17  | 001A            | 10874A    | —         |
| 3/16      | 0.187 | 4.75  | 1000A           | 12665A    | —         |
| 1/4       | 0.250 | 6.35  | 003A            | 12667A    | CP4A      |
| 5/16      | 0.312 | 7.92  | 006A            | 12668A    | CP6A      |
| 3/8       | 0.375 | 9.53  | 008A            | 12670A    | CP8A      |
| 7/16      | 0.437 | 11.10 | 010A            | 12671A    | CP10A     |
| 1/2       | 0.500 | 12.70 | 012A            | 12673A    | CP12A     |
| 9/16      | 0.562 | 14.27 | 014A            | 12675A    | CP14A     |
| 5/8       | 0.625 | 15.88 | 017A            | 12677A    | CP16A     |
| 11/16     | 0.687 | 17.45 | 020A            | 12679A    | CP19A     |
| 3/4       | 0.750 | 19.05 | 023A            | 12680A    | CP23A     |
| 13/16     | 0.812 | 20.62 | 026A            | 12683A    | CP24A     |
| 7/8       | 0.875 | 22.23 | 028A            | 12684A    | CP29A     |
| 15/16     | 0.937 | 23.80 | 030A            | 12686A    | CP31A     |
| 1         | 1.000 | 25.40 | 035A            | 12688A    | CP35A     |
| 1 1/16    | 1.062 | 26.97 | 040A            | 12689A    | CP37A     |
| 1 1/8     | 1.125 | 28.58 | 041A            | 12691A    | CP40A     |
| 1 3/16    | 1.187 | 30.15 | 042A            | 12692A    | CP42A     |
| 1 1/4     | 1.250 | 31.75 | 044A            | —         | CP44A     |
| 1 5/16    | 1.312 | 33.32 | 045A            | —         | CP46A     |
| 1 3/8     | 1.375 | 34.93 | 1055A           | —         | CP49A     |
| 1 7/16    | 1.437 | 36.50 | 048A            | —         | CP49A     |
| 1 1/2     | 1.500 | 38.10 | 051A            | —         | CP51A     |
| 1 9/16    | 1.562 | 39.67 | 052A            | 12693A    | CP55A     |
| 1 5/8     | 1.625 | 41.28 | 055A            | —         | CP56A     |
| 1 11/16   | 1.687 | 42.85 | 056A            | —         | CP56A     |
| 1 3/4     | 1.750 | 44.45 | 1065A           | —         | CP59A     |
| 1 13/16   | 1.812 | 46.02 | 057A            | 12694A    | CP59A     |
| 1 7/8     | 1.875 | 47.63 | 1070A           | —         | CP57A     |
| 1 15/16   | 1.937 | 49.20 | 1075A           | —         | CP57A     |
| 2         | 2.000 | 50.80 | 1080A           | —         | —         |

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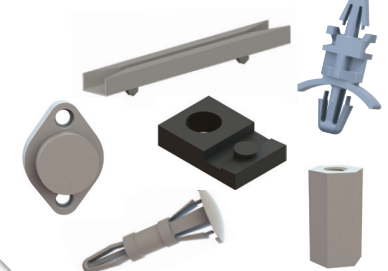
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