

SOLUTIONS TO PROTECT HYDRAULIC HOSE & FITTINGS



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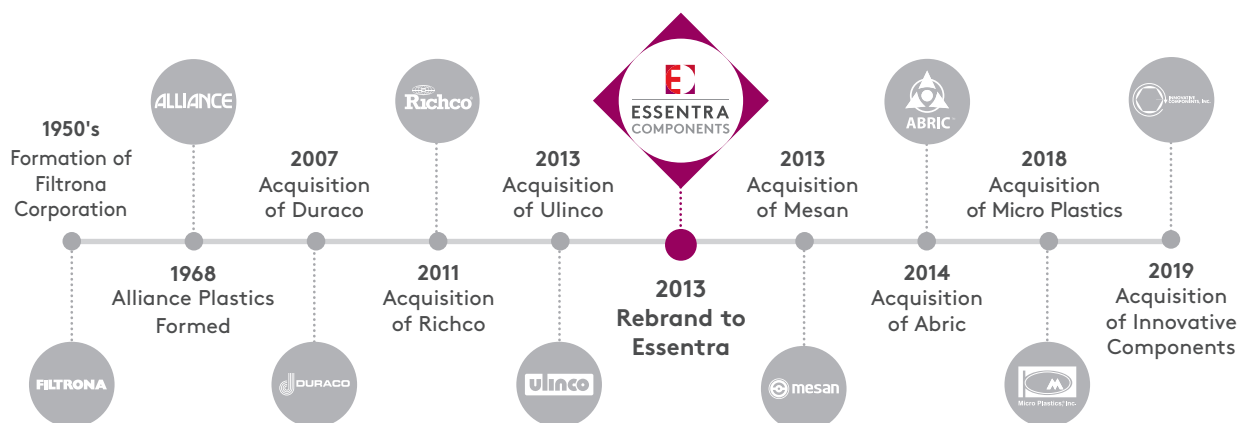
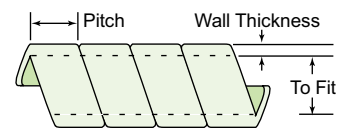


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How to calculate quantity of Spiralguard® required

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



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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

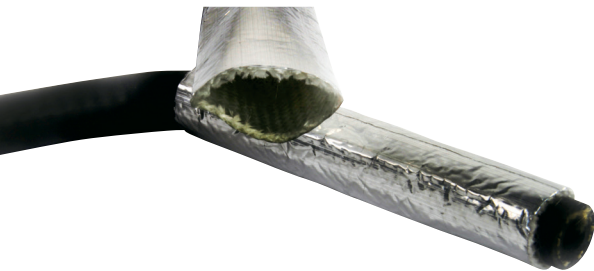
Specifications

- 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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See Page 5

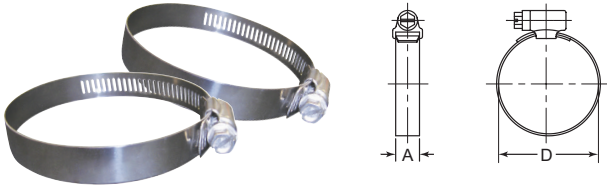
WDHC Series
Worm Drive or Worm Gear Hose Clamp

Specifications

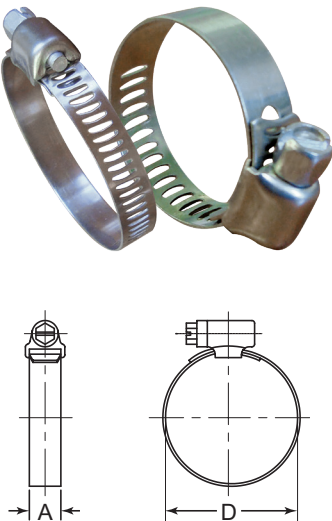
- Material: Refer to Chart

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



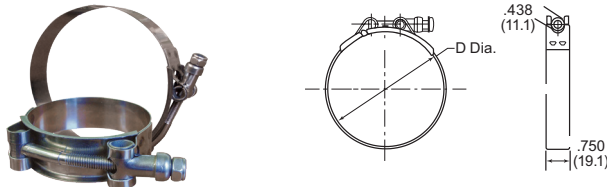
TBC Series
T-Bolt Hose Clamp

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

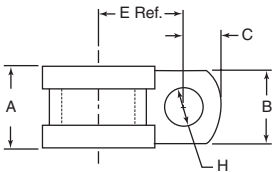
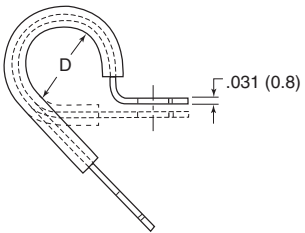
Specifications

- 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

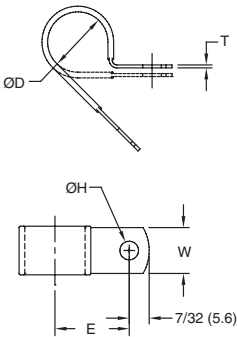
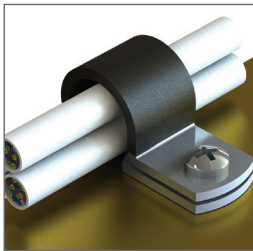
Specifications

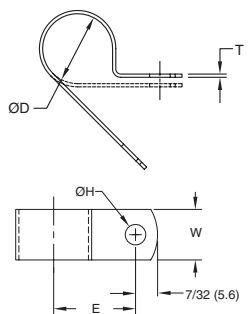
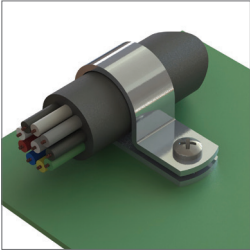
- Material: Aluminum Alloy 5052 H-32 TPV Coating
- Color: Aluminum with Black Coating

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

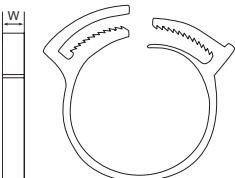
THC and SHC Series Quick Assemble Hose Clamps

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

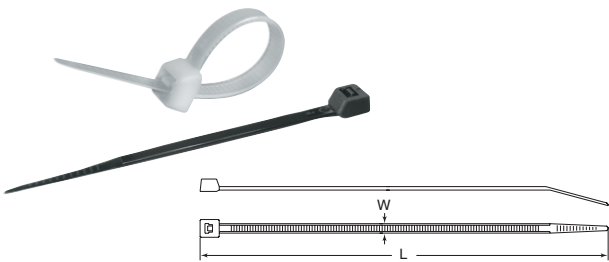
Nylon Locking Tie

Specifications

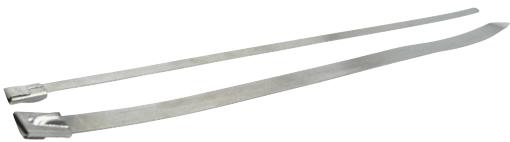
- Material: UL94 V-2 Nylon 6/6
- Color: See Table
- Temperature Range: -40°F to 185°F (-40°C to 85°C)

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

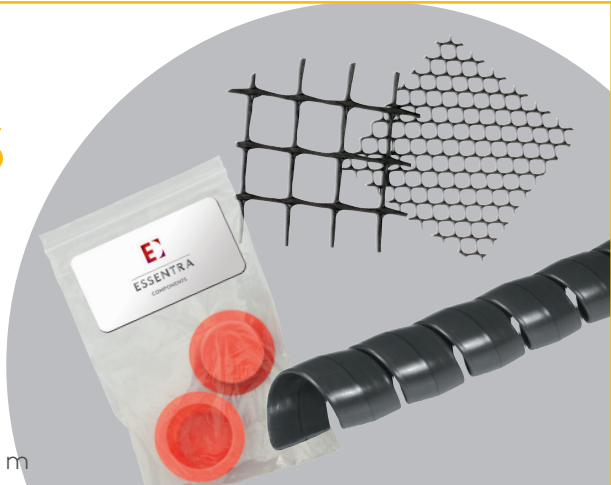
Features

- 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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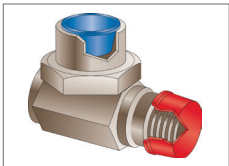
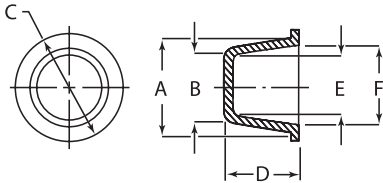
Numbered Series Tapered Caps

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"

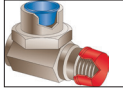
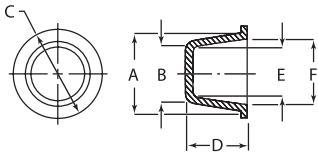
Caps

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.			
blue	red	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.

DM and DMS Series Round Vinyl End Caps

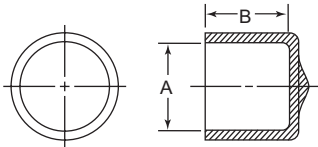
Specifications

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

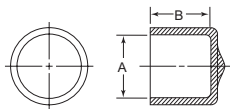
Features

- 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

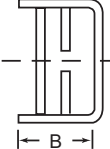
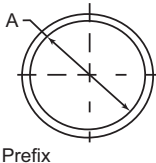
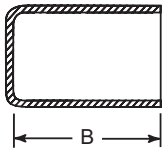
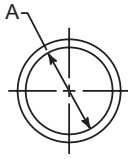
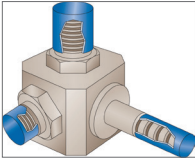
A and AR Series Round End Caps

Specifications

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

Features

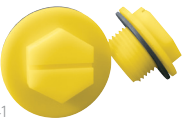
- Designed to protect outside diameters matching cap I.D. (A) dimension
- Parts with a W/R have an internal molded ring for extra gripping power
- Parts with AR prefix have internal ribs for superior retention



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	0.457	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

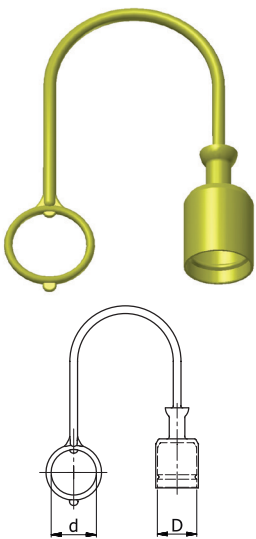


DC Series // Page 30



Threaded O-Ring Plugs // Page 45

DON'T FORGET YOUR FITTINGS



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

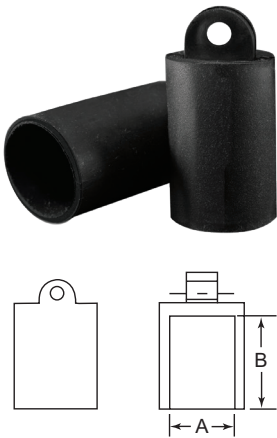
FEC Series Flexible End Caps

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

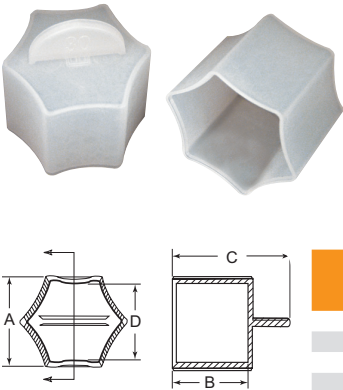
HEX Series Hexagonal Caps

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

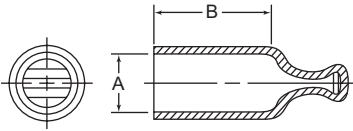
DMPC Series Easy-Pull Vinyl Caps

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



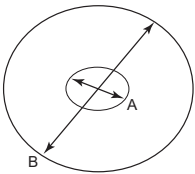
MCP Series Stretch Fit Cover Caps

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





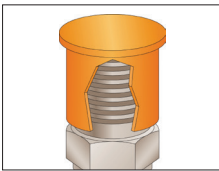
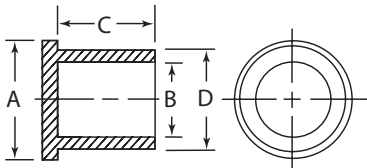
E Series Flanged Caps for Standard Threads

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 Standard Thread	A		B		C		D		Bulk Pack 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

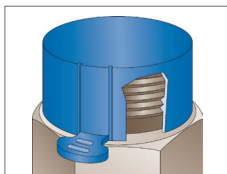
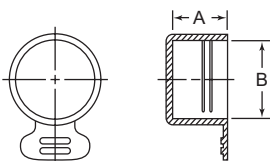
TS Series Tear Tab Caps for SAE/JIC Threads

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 Standard Thread	SAE/JIC Fitting Size	A		B		Bulk Pack 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

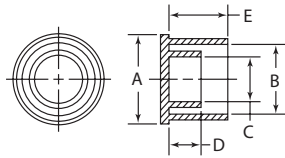
OR Series O-Ring Face-Fitting Caps for UNF Threads

Specifications

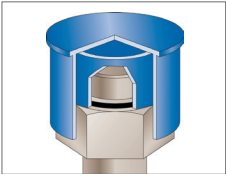
- Material: Low-Density Polyethylene
- Color: Blue

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



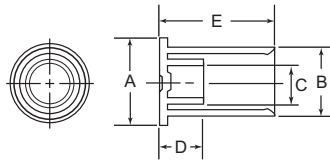
OR Series O-Ring Face-Fitting Caps for UNF/JIC Threads

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

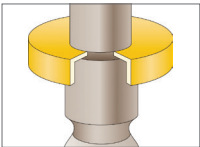


UNF Threads

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



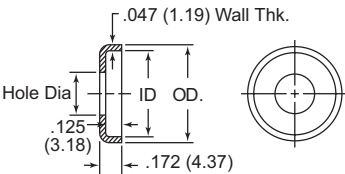
W Series Hose Washer Caps

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



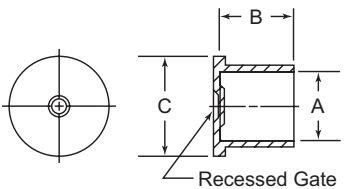
ECM Series Flanged Caps for Metric Threads

Specifications

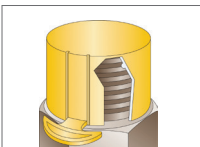
- Material: Low-Density Polyethylene
- Color: Natural

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



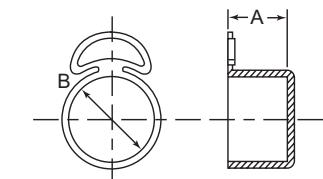
TSM Series Tear Tab Caps for Metric Threads

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

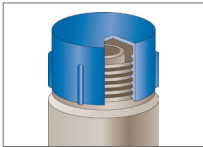
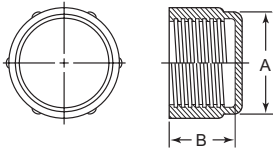
G Series UNF/JIC Threaded Caps for Flared/Flareless Fittings

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

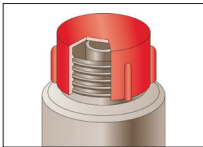
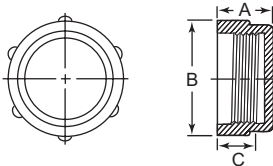
TCUNF Series UNF/JIC Threaded Caps

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

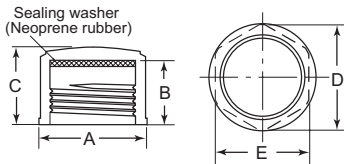


Part Number	To Cap UNF/JIC Thread Size	Tubing Size In	JIC Fitting Size	A		B		C		Bulk Pack Qty.
				in	mm	in	mm	in	mm	
10251A	3/8" x 24	3/16	3	0.327	8.30	0.433	11.00	0.157	4.00	5000
10332A	7/16" x 20	1/4	4	0.508	12.90	0.524	13.30	0.315	8.00	5000
12652A	7/16" x 24	1/4	—	0.539	13.70	0.524	13.30	0.307	7.80	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

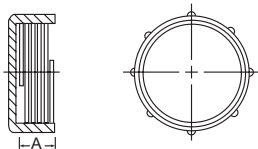
- The cap includes a neoprene sealing disk to limit fluid leakage
- The HDPE material reduces the potential of shearing
- The hexagonal head enables the cap to be applied or removed with a wrench or socket at low torques but it is recommended that you tighten them by hand

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



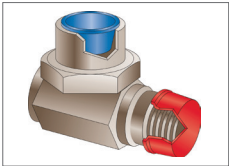
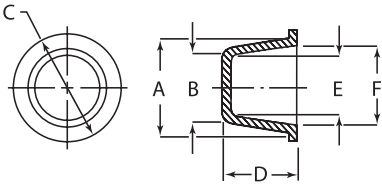
To Assure Proper Fit:

 **Plugs**

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

 **Caps**

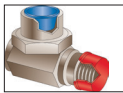
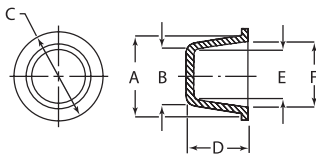
Cap dimension "E" should be approx. 1% smaller than the outside diameter of the part.
Minimum of .020"



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	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 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	1000				
—	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	600				
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	900				
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	2000				
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	2500				
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	1000				
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	1000				
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	2500				
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	850				
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	800				
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	1000				
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	1000				
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	1000				
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	700				
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	600				
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	1200				
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	1500				
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	700				
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	600				
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	2000				
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	600				
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	700				
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	750				
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	600				
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	700				
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	1000				
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	500				
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	500				
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	500				
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	750				
—	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	300				
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	400				
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	400				
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	500				
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	300				
—	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	250				
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	350				
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	250				
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	300				
—	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	250				
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	300				
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	250				
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	250				
—	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	150				
—	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	150				
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	200				
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	200				
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	250				
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	250				
—	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	150				
—	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	150				
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	250				
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	250				
—	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	150				
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	250				
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	250				
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	100				
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	250				
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	100				
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	140				
—	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	100				
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	90				
—	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	135				
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	100				
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	100				
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	300				
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	100				
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	100				
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	100				
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	100				
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	50				
120A	120B	8.600	218.44	8.400	213.36													

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



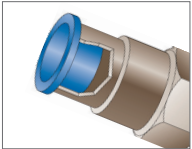
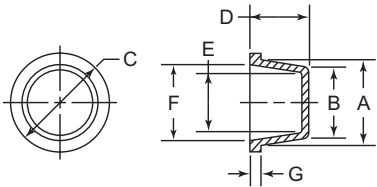
To Assure Proper Fit:

 **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			
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm		
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

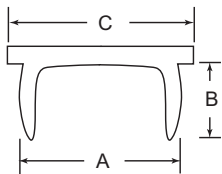
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BP Series Barrel Plugs

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

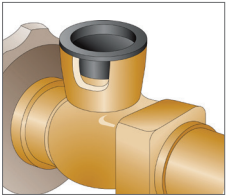
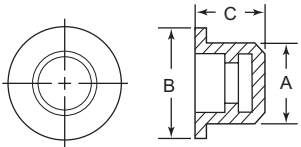
Specifications

- 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

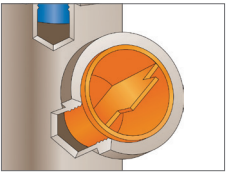
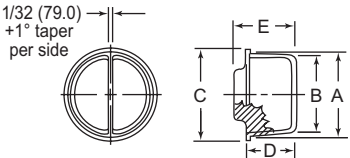
Specifications

- 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

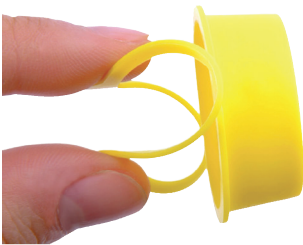
Part Number	Use as a Plug										Bulk Pack Qty.
	A		B		C		D		E		
	in	mm	in	mm	in	mm	in	mm	in	mm	
CP4A	0.269	6.83	0.209	5.31	0.380	9.65	0.340	8.64	0.590	14.99	5000
CP5A	0.303	7.69	0.239	6.07	0.469	11.91	0.370	9.39	0.630	16.00	5000
CP6A	0.335	8.51	0.267	6.78	0.469	11.91	0.406	10.32	0.625	15.88	5000
CP7A	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:

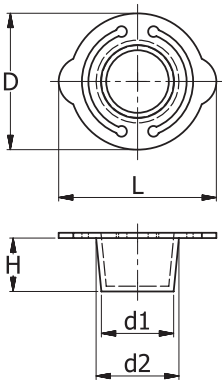


Plugs
Plug dimension "A" should be approx. 1% larger than the inner diameter of the part. Minimum of .020"



Tapered Plug with Ring Tab

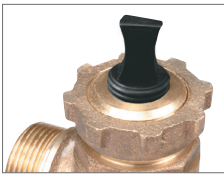
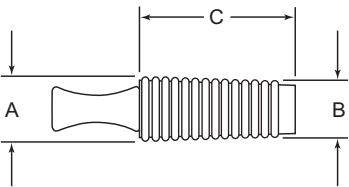
- Specifications**
- Material: Low density polyethylene (LDPE)
 - Color: Yellow
- Features**
- Tapered profile for extended dimensions
 - Easy removal of the part with strong ring tab



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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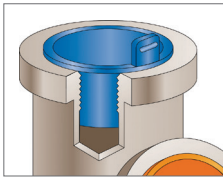
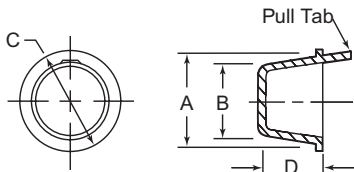
P Series Side Pull Tab Plugs

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

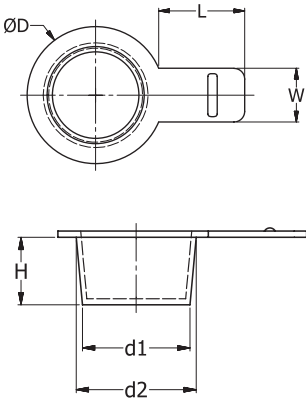
- Material: Thermoplastic rubber (TPR)
- Color: White

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





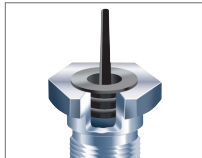
MPP Series Flexible Pull Plugs

Specifications

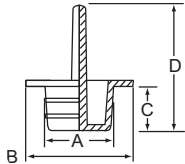
- Material: Thermoplastic Rubber
- Color: Black
- Temperature Range: -40°F to 275°F (-40°C to 135°C)

Features

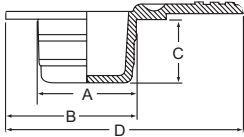
- The integral side pull tab feature is designed for easy removal in awkward locations
- Protects threaded or plain components
- Recommended for use wherever resistance to acid is required



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

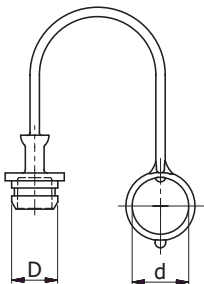
Hydraulic Quick Release Dust Plugs

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

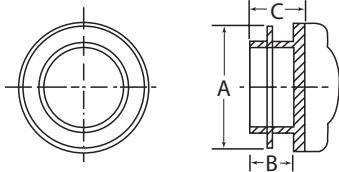
SF Series Snap Fit Plugs
for Standard/JIC/Metric/BSP Threads

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



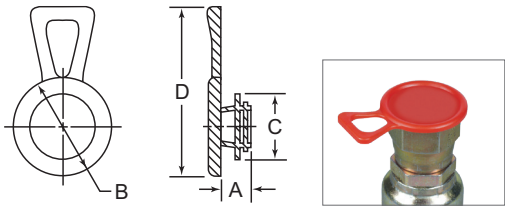
EZP Series Quick Fit Easy Pull Plugs
for Unified Standard/Metric Threads

Specifications

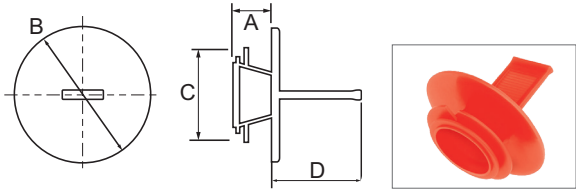
- Material: Low-Density Polyethylene
- Color: Red

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

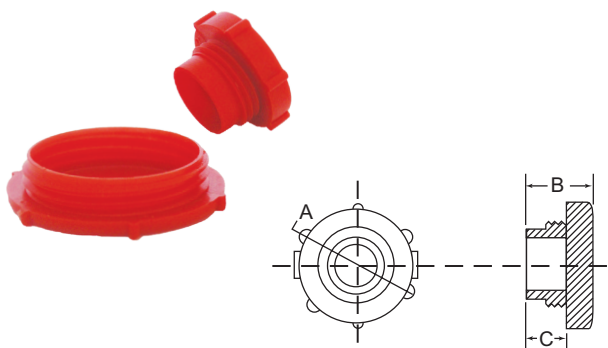


Type 1 - Lateral Pull



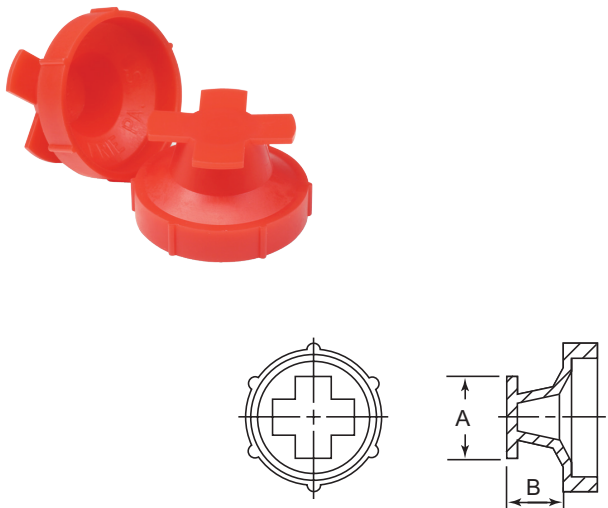
Type 2 - Central Pull

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

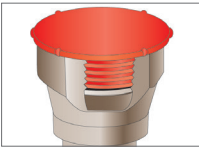
QFP Series Quick Fit Plugs
for UNF/JIC/Metric Threads

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

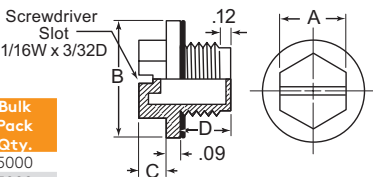
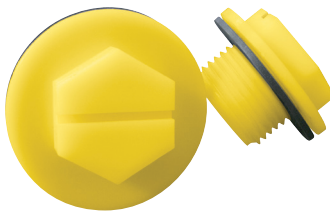
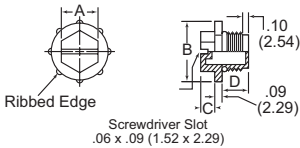
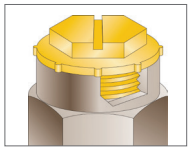
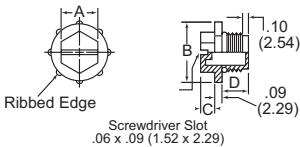
Specifications

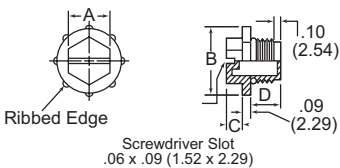
- Material: Plug - Nylon, Gasket - Nitrile
- Color: Plug - Yellow, Gasket - Black

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

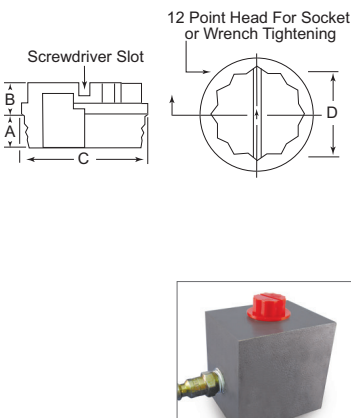
Specifications

- 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

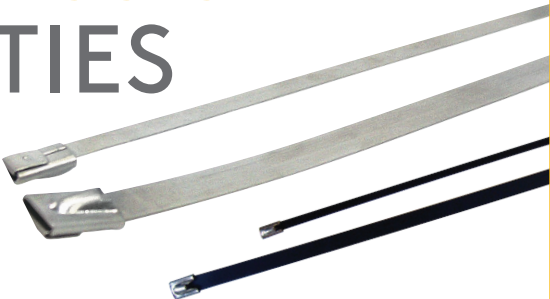
Features

- 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

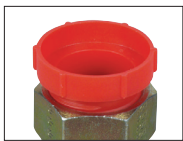
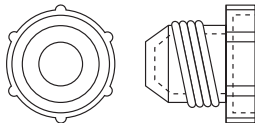
Specifications

- 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

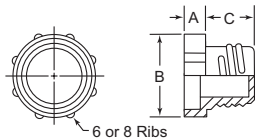
- Material: Low-Density Polyethylene
- Color: Red

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)

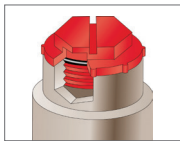
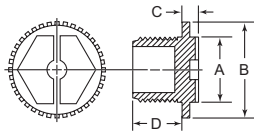
Specifications

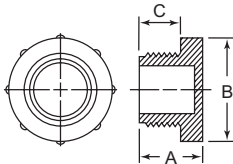
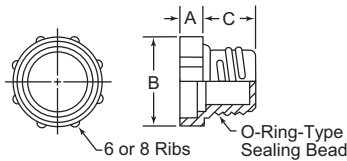
- Material: Polypropylene
- Color: Red

Features

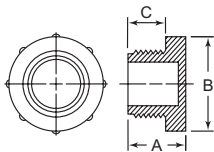
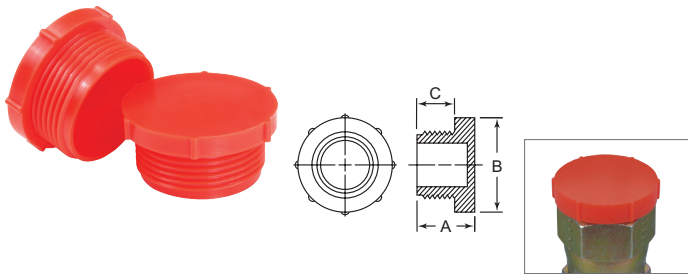
- Can be applied or removed by hand, hex wrench or screwdriver
- The FP Series plug will fit NS and NF Class 1-2-3 Standard Threads
- Optional O-Ring gives this part a watertight seal for superior leakage protection

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





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	1 1/16" - 16	0.713	18.10	1.008	25.60	0.531	13.50	3000



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

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	
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

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

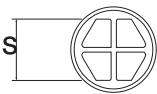
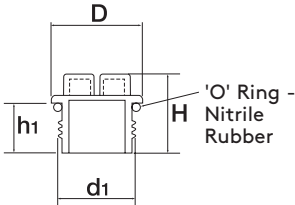
Specifications

- 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

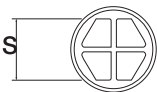
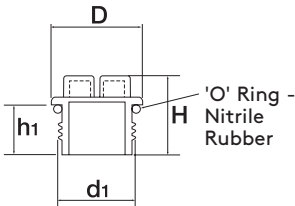
Specifications

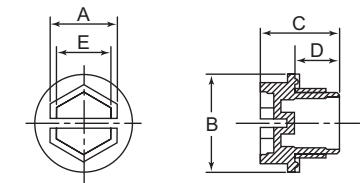
- Material: Nylon
- Color: Orange

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





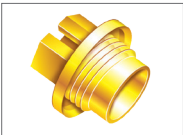
TSSP Series
 Sealing Threaded Plugs for UNF/METRIC/BSP Threads

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

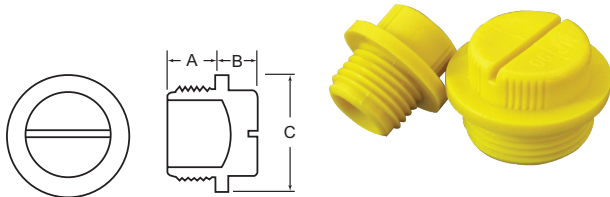
MP Series NS & NF Class 1-2-3 Threaded Plugs

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

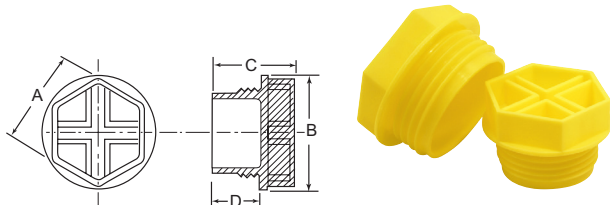
TSP Series Metric & BSP Threaded Plugs

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

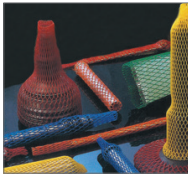
- Material: High-Density Polyethylene
- Color: Red

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

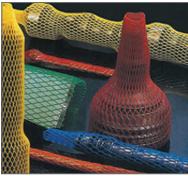
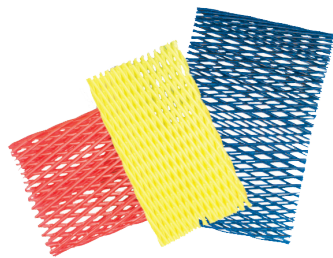
FNH Series
Heavy Gauge Protective Netting

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

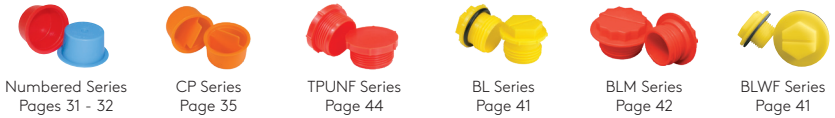


Your Application			Non-Threaded Cap Choices				Threaded Cap Choices	
Thread Size	Tubing OD In	Fitting Size	Numbered Series	E Series	TS Series	DM Series	TCUNF Series	G Series
5/16"-24	1/8	-2	008A	—	—	DM0304-1/2A	—	—
3/8"-24	3/16	-3	011A	E3/8A	TS3A	DM0360-1/2A	10251A	G1A
7/16"-20	1/4	-4	013A	E7/16A	TS4A	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
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A Series
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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
Pages 31 - 32



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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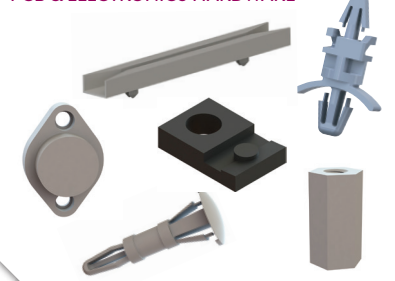
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