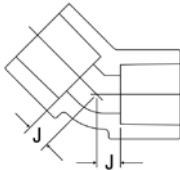


BlazeMaster® Fire Protection Fittings – STANDARD

ELBOWS

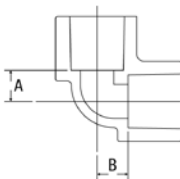
5006



45° Elbows

| UNIV. FIG. NO. | NOM. SIZE | APPROX. NET WT./LBS. | DIM. J INCHES | JOINT |
|----------------|-----------|----------------------|---------------|-------|
| 5006 | 3/4" | 0.06 | 0.32 | SXS |
| 5006 | 1" | 0.12 | 0.39 | SXS |
| 5006 | 1-1/4" | 0.18 | 0.48 | SXS |
| 5006 | 1-1/2" | 0.36 | 0.47 | SXS |
| 5006 | 2" | 0.54 | 0.58 | SXS |
| 5006 | 2-1/2" | 1.00 | 0.65 | SXS |
| 5006 | 3" | 1.28 | 0.76 | SXS |

5007 5007-R



90° Elbows

| UNIV. FIG. NO. | NOM. SIZE | APPROX. NET WT./LBS. | DIM. A INCHES | DIM. B INCHES | JOINT |
|----------------|-----------|----------------------|---------------|---------------|-------|
| 5007 | 3/4" | 0.08 | 0.56 | 0.56 | SXS |
| 5007 | 1" | 0.14 | 0.69 | 0.69 | SXS |
| 5007 | 1-1/4" | 0.22 | 0.91 | 0.91 | SXS |
| 5007 | 1-1/2" | 0.41 | 1.06 | 1.06 | SXS |
| 5007 | 2" | 0.60 | 1.24 | 1.24 | SXS |
| 5007 | 2-1/2" | 1.16 | 1.50 | 1.50 | SXS |
| 5007 | 3" | 1.66 | 1.81 | 1.81 | SXS |
| 5007-R | 1"x3/4" | 0.12 | 0.61 | 0.75 | SXS |

Review – Do's & Don'ts

Do's

- Installation should be made only by a qualified installer or contractor in accordance with all applicable codes and requirements.
- Read and follow the installation instructions.
- Follow recommended safe work practices.
- Make certain that thread sealants, gasket lubricants, or firestop materials are compatible with CPVC.
- Keep pipe and fittings in original packaging until needed.
- Cover pipe and fittings with an opaque tarp if stored outdoors.
- Follow proper handling procedures.
- Use tools specifically designed for use with plastic pipe and fittings.
- Use the proper solvent cement and follow application instructions.
- Use a drop cloth to protect interior finishes.
- Cut the pipe ends square.
- Deburr and bevel the pipe end with a chamfering tool.
- Rotate the pipe 1/4 turn when bottoming pipe in fitting socket.
- Make certain no solvent cement is on sprinkler head and adapter threads.
- Make certain that solvent cement does not run and plug the sprinkler head orifice.
- Follow the manufacturer's recommended cure times prior to pressure testing.
- Fill lines slowly and only at a proper pressure.
- Bleed the air from the system prior to pressure testing.
- Support sprinkler head properly to prevent lift up of the head through the ceiling when activated.
- Keep threaded rod within 1/16" of the pipe or use a surge arrestor.
- Install NIBCO® **BlazeMaster**® CPVC Fire Sprinkler Products in wet systems only.
- Use only insulation and/or glycerin and water solutions for freeze protection.
- Allow for movement due to expansion and contraction.
- Ensure installers have been properly trained per the NIBCO **BlazeMaster**® CPVC Fire Sprinkler System Installation and Design Manual and renew your training every three years at a minimum.

Don'ts

- Do not use edible oils as a gasket lubricant.
- Do not use petroleum or solvent-based sealants, lubricants, or fire stop materials.
- Do not use any glycol-based solutions as an anti-freeze.
- Do not contaminate the CPVC system with cutting oils or compressor oils.
- Do not mix glycerin and water solutions in contaminated containers.
- Do not use solvent cement that exceeds its shelf life or has become discolored or jellied.
- Do not allow solvent cement to plug the sprinkler head orifice.
- Do not connect rigid metal couplers to CPVC grooved adapters.
- Do not thread or groove CPVC pipe.
- Do not use solvent cement near sources of heat, open flame, or when smoking.
- Do not pressure test with air.
- Do not pressure test until recommended cure times are met.
- Do not exceed proper pressure for testing.
- Do not use ratchet cutters below 50°F.
- Do not use CPVC pipe that has been stored outdoors, unprotected and is faded in color.
- Do not allow threaded rod to come in contact with the pipe.
- Do not install NIBCO **BlazeMaster**® CPVC Fire Sprinkler Products in cold weather without allowing for expansion.
- Do not install NIBCO **BlazeMaster**® CPVC Fire Sprinkler Products in dry systems.
- Do not allow puddling of cement in fittings and pipe.
- Do not use dull or broken cutting tool blades when cutting pipe.

BlazeMaster®
FIRE SPRINKLER FITTINGS

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CPVC Cross Reference Sheet

STANDARD FITTINGS

| | NIBCO FIG. NO. | SIZE | SPEARS FIG. NO. | TYCO FIG. NO. | |
|------------------|----------------|---------------|-----------------|---------------|-------|
| ADAPTER | 5001-G | 1-1/4" | 4233-012 | 80160 | |
| | 5001-G | 1-1/2" | 4233-015 | 80161 | |
| | 5001-G | 2" | 4233-020 | 80162 | |
| | 5001-G | 2-1/2" | 4233-025 | 80163 | |
| | 5001-G | 3" | 4233-030 | 80164 | |
| BUSHINGS | 5018 | 1"x3/4" | 4237-131 | 80200 | |
| | 5018 | 1-1/4"x1" | 4237-168 | 80202 | |
| | 5018 | 1-1/4"x3/4" | 4237-167 | 80201 | |
| | 5018 | 1-1/2"x1-1/4" | 4237-212 | 80205 | |
| | 5018 | 1-1/2"x1" | 4237-211 | 80204 | |
| | 5018 | 1-1/2"x3/4" | 4237-210 | 80203 | |
| | 5018 | 2"x1-1/2" | 4237-251 | 80209 | |
| | 5018 | 2"x1-1/4" | 4237-250 | 80208 | |
| | 5018 | 2"x1" | 4237-249 | 80207 | |
| | 5018 | 2"x3/4" | 4237-248 | 80206 | |
| | 5018 | 2-1/2"x2" | 4237-292 | 80211 | |
| | 5018 | 2-1/2"x1-1/2" | 4237-291 | 80213 | |
| | 5018 | 2-1/2"x1-1/4" | 4237-290 | 80214 | |
| | 5018 | 2-1/2"x1" | N/A | 80215 | |
| | 5018 | 3"x2-1/2" | 4237-339 | 80212 | |
| | 5018 | 3"x2" | 4237-338 | 80210 | |
| | 5018 | 3"x1-1/2" | N/A | N/A | |
| | CAPS | 5017 | 3/4" | 4247-007 | 80100 |
| | | 5017 | 1" | 4247-010 | 80101 |
| | | 5017 | 1-1/4" | 4247-012 | 80102 |
| 5017 | | 1-1/2" | 4247-015 | 80103 | |
| 5017 | | 2" | 4247-020 | 80104 | |
| 5017 | | 2-1/2" | 4247-025 | 80105 | |
| 5017 | | 3" | 4247-030 | 80106 | |
| COUPLINGS | 5001 | 3/4" | 4229-007 | 80075 | |
| | 5001 | 1" | 4229-010 | 80076 | |
| | 5001 | 1-1/4" | 4229-012 | 80077 | |
| | 5001 | 1-1/2" | 4229-015 | 80078 | |
| | 5001 | 2" | 4229-020 | 80079 | |
| | 5001 | 2-1/2" | 4229-025 | 80080 | |
| | 5001 | 3" | 4229-030 | 80081 | |
| | 5001-R | 1"x3/4" | 4229-131 | 80220 | |
| | 5001-R | 1-1/4"x1" | 4229-168 | N/A | |
| | 5001-R | 1-1/2"x3/4" | 4229-210 | N/A | |
| | 5001-R | 1-1/2"x1" | 4229-211 | N/A | |
| 5001-R | 1-1/2"x1-1/4" | 4229-212 | N/A | | |
| 5001-R | 2"x1" | 4229-249 | N/A | | |
| 5001-R | 2"x1-1/2" | 4229-251 | N/A | | |
| CROSSES | 5035 | 3/4" | 4220-007 | 80009 | |
| | 5035 | 1" | 4220-010 | 80010 | |
| | 5035 | 1-1/4" | 4220-012 | 80011 | |
| | 5035 | 1-1/2" | 4220-015 | 80012 | |

STANDARD FITTINGS

| | NIBCO FIG. NO. | SIZE | SPEARS FIG. NO. | TYCO FIG. NO. |
|----------------|----------------|-----------------|-----------------|---------------|
| CROSSES | 5035 | 2" | 4220-020 | 80013 |
| | 5035 | 2-1/2" | 4220-025 | 80014 |
| | 5035 | 3" | 4220-030 | 80008 |
| | 5035-R | 1"x3/4"x1"x3/4" | 4220-131 | 80015 |
| | 5006 | 3/4" | 4217-007 | 80050 |
| | 5006 | 1" | 4217-010 | 80051 |
| | 5006 | 1-1/4" | 4217-012 | 80052 |
| | 5006 | 1-1/2" | 4217-015 | 80053 |
| | 5006 | 2" | 4217-020 | 80054 |
| | 5006 | 2-1/2" | 4217-025 | 80055 |
| ELBOWS | 5006 | 3" | 4217-030 | 80056 |
| | 5007 | 3/4" | 4206-007 | 80025 |
| | 5007 | 1" | 4206-010 | 80026 |
| | 5007 | 1-1/4" | 4206-012 | 80027 |
| | 5007 | 1-1/2" | 4206-015 | 80028 |
| | 5007 | 2" | 4206-020 | 80039 |
| | 5007 | 2-1/2" | 4206-025 | 80030 |
| | 5007 | 3" | 4206-030 | 80031 |
| | 5007-R | 1"x3/4" | 4206-131 | 80032 |
| | 5019-H | 3/4" | 4253-007 | N/A |
| 5019-H | 1" | 4253-010 | N/A | |
| 5019-H | 1-1/4" | 4253-012 | N/A | |
| 5019-H | 1-1/2" | 4253-015 | N/A | |
| 5019-H | 2" | 4253-020 | N/A | |
| 5019-H | 2-1/2" | 4253-025 | N/A | |
| 5019-H | 3" | 4253-030 | N/A | |
| FLANGES | 5051-A | 3" | 4254-030 | N/A |
| | 5051-2-A | 3" | 4256-030 | N/A |
| | 5051-H | 3/4" | 4251-007 | N/A |
| | 5051-H | 1" | 4251-010 | N/A |
| | 5051-H | 1-1/4" | 4251-012 | N/A |
| | 5051-H | 1-1/2" | 4251-015 | N/A |
| | 5051-H | 2" | 4251-020 | N/A |
| | 5051-H | 2-1/2" | 4251-025 | N/A |
| | 5051-H | 3" | N/A | N/A |
| | 5011 | 3/4" | 4201-007 | 8000 |
| 5011 | 1" | 4201-010 | 8001 | |
| 5011 | 1-1/4" | 4201-012 | 8002 | |
| 5011 | 1-1/2" | 4201-015 | 8003 | |
| 5011 | 2" | 4201-020 | 80004 | |
| 5011 | 2-1/2" | 4201-025 | 8005 | |
| 5011 | 3" | 4201-030 | 80006 | |
| 5011-R | 3/4"x3/4"x1" | 4201-102 | 80132 | |
| 5011-R | 1"x1"x3/4" | 4201-131 | 80260 | |
| 5011-R | 1"x3/4"x1" | 4201-126 | 80134 | |

BlazeMaster®
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CPVC Cross Reference Sheet

STANDARD FITTINGS

| | NIBCO FIG. NO. | SIZE | SPEARS FIG. NO. | TYCO FIG. NO. |
|---------------|----------------|----------------------|-----------------|---------------|
| TEES | 5011-R | 1"x3/4"x3/4" | 4201-125 | 80133 |
| | 5011-R | 1-1/4"x1-1/4"x1" | 4201-168 | 80262 |
| | 5011-R | 1-1/4"x1-1/4"x3/4" | 4201-167 | 80261 |
| | 5011-R | 1-1/4"x1"x1-1/4" | 4201-159 | 80137 |
| | 5011-R | 1-1/4"x1"x1" | 4201-158 | 80136 |
| | 5011-R | 1-1/4"x1"x3/4" | 4201-157 | 80135 |
| | 5011-R | 1-1/4"x1-1/4"x1-1/2" | 4201-169 | 80138 |
| | 5011-R | 1-1/2"x1-1/2"x1-1/4" | 4201-212 | 80275 |
| | 5011-R | 1-1/2"x1-1/2"x1" | 4201-211 | 80264 |
| | 5011-R | 1-1/2"x1-1/2"x3/4" | 4201-210 | 80263 |
| | 5011-R | 1-1/2"x1-1/4"x1" | 4201-202 | 80140 |
| | 5011-R | 1-1/2"x1-1/4"x3/4" | 4201-201 | 80140 |
| | 5011-R | 1-1/2"x1-1/2"x2" | 4201-213 | N/A |
| | 5011-R | 2"x2"x1-1/2" | 4201-251 | 80274 |
| | 5011-R | 2"x2"x1-1/4" | 4201-250 | 80267 |
| | 5011-R | 2"x2"x1" | 4201-249 | 80266 |
| | 5011-R | 2"x2"x3/4" | 4201-248 | 80265 |
| | 5011-R | 2-1/2"x2-1/2"x2" | 4201-292 | 80276 |
| | 5011-R | 2-1/2"x2-1/2"x1-1/2" | 4201-291 | 80273 |
| | 5011-R | 2-1/2"x2-1/2"x1-1/4" | 4201-290 | 80272 |
| | 5011-R | 2-1/2"x2-1/2"x1" | 4201-289 | 80271 |
| | 5011-R | 3"x3"x2-1/2" | 4201-339 | 80269 |
| | 5011-R | 3"x3"x2" | 4201-338 | 80268 |
| | 5011-R | 3"x3"x1-1/2" | 4201-337 | 80270 |
| UNIONS | 5033-E | 3/4" | 4257-007 | N/A |
| | 5033-E | 1" | 4257-010 | N/A |
| | 5033-E | 1-1/4" | 4257-012 | N/A |
| | 5033-E | 1-1/2" | 4257-015 | N/A |
| | 5033-E | 2" | 4257-020 | N/A |

THREADED FITTINGS

| | NIBCO FIG. NO. | SIZE | SPEARS FIG. NO. | TYCO FIG. NO. |
|-----------------|----------------|-----------|-----------------|------------------|
| ADAPTERS | 5003-BI | 3/4" | 4235-007 | 80142 |
| | 5003-BI | 1" | 4235-010 | 80145 |
| | 5003-BI | 1-1/4" | 4235-012 | 80146 |
| | 5003-BI | 1-1/2" | 4235-015 | 80147 |
| | 5003-BI | 2" | 4235-020 | 80148 |
| | 5003-2-BI | 3/4" | 4278-007 | N/A |
| | 5003-2-BI | 1" | 4278-010 | N/A |
| | 5003-S-BI | 3/4"x1/2" | 4235-101 | 80175E or 80175W |
| | 5003-S-BI | 1"x1/2" | 4235-130 | 80176E or 80175W |
| | 5003-S-BI | 1"x3/4" | 4235-131 | 80179 |
| | 5003-2-S-BI | 3/4"x1/2" | 4238-101 | N/A |
| | 5003-2-S-BI | 1"x1/2" | 4238-130 | N/A |
| | 5003-S-BT | 3/4"x1/2" | N/A | N/A |

THREADED FITTINGS

| | NIBCO FIG. NO. | SIZE | SPEARS FIG. NO. | TYCO FIG. NO. |
|------------------|-----------------|--------------------|-----------------|---------------|
| ADAPTERS | 5003-S-BT | 1"x1/2" | N/A | N/A |
| | 5003-BI-BSP | 1" | N/A | N/A |
| | 5003-BI-BSP | 1-1/4" | N/A | N/A |
| | 5003-BI-BSP | 1-1/2" | N/A | N/A |
| | 5003-BI-BSP | 2" | N/A | N/A |
| | 5004-BI | 3/4" | N/A | 80157 |
| | 5004-BI | 1" | N/A | 80158 |
| | 5004-BI | 1-1/4" | N/A | N/A |
| | 5004-BI | 1-1/2" | N/A | N/A |
| | 5004-BI | 2" | N/A | N/A |
| 5018-S-BI | 1"x1/2" | 4238-130BR | N/A | |
| CROSSES | 5035-3-S-BI-S | 1"x1"x1/2"x1/2" | N/A | 80462 |
| | 5035-3-S-BI-L | 1"x1"x1/2"x1/2" | N/A | 80463 |
| ELBOWS | 5007-3-S-BI | 3/4"x1/2" | 4207-101 | 80199 |
| | 5007-3-S-BI | 1"x1/2" | 4207-130 | 80198 |
| | 5007-3-S-BI | 1"x3/4" | 4207-131 | N/A |
| | 5007-3-S-BI | 1-1/4"x1/2" | 4207-166 | N/A |
| TEES | 5011-3-3-S-BI-S | 1/2"x1/2"x1" | N/A | 80460 |
| | 5011-3-3-S-BI-L | 1/2"x1/2"x1" | N/A | 80459 |
| | 5012-S-BI | 1" | 4202-010 | N/A |
| | 5012-S-BI | 3/4"x3/4"x1/2" | 4202-101 | 80250 |
| | 5012-R-S-BI | 1"x3/4"x1/2" | 4202-124 | N/A |
| | 5012-S-BI | 1"x1"x1/2" | 4202-130 | 80251 |
| | 5012-R-S-BI | 1"x1/2"x1" | 4203-122 | N/A |
| | 5012-R-S-BI | 1-1/4"x1"x1/2" | 4202-156 | 80256 |
| | 5012-S-BI | 1-1/4"x1-1/4"x1/2" | 4202-166 | 80252 |
| | 5012-R-S-BI | 1-1/2"x1-1/4"x1/2" | 4202-199 | 80257 |
| TEST PLUG | 5012-S-BI | 1-1/2"x1-1/2"x1/2" | 4202-209 | 80254 |
| | 5012-S-BI | 2"x2"x1/2" | 4202-247 | 80253 |
| | 5012-R-S-BI | 2"x1-1/2"x1/2" | 4202-237 | 80258 |
| | 450-005 | 1/2" | 4250-005 | N/A |

BlazeMaster®
FIRE SPRINKLER FITTINGS

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NIBCO® BlazeMaster® Warranty

NIBCO INC. LIMITED WARRANTY

Applicable to NIBCO INC. CPVC Fire Protection Plastic Fittings

NIBCO INC. warrants each NIBCO® BlazeMaster® Fire Protection CPVC plastic fitting to be free from defects in materials and workmanship under normal use and service for a period of ten (10) years from date of purchase.

In the event any defect occurs which the owner believes is covered by this warranty, the owner should immediately contact NIBCO Technical Services, either in writing or by telephone at 1.888.446.4226 or 1.574.295.3000. The owner will be instructed to return said product, at the owner's expense, to NIBCO INC., or an authorized representative for inspection. In the event said inspection discloses to the satisfaction of NIBCO INC. that said fitting or valve is defective, a replacement shall be mailed free of charge to the owner, and NIBCO INC. shall further pay the installing contractor the sum of ten (\$10.00) dollars to apply on the cost of installation of said replacement fitting.

TO THE EXTENT PERMITTED BY LAW, THIS WARRANTY SPECIFICALLY EXCLUDES INCIDENTAL AND CONSEQUENTIAL DAMAGES OF EVERY TYPE AND DESCRIPTION RESULTING FROM ANY CLAIMED DEFECT IN MATERIAL OR WORKMANSHIP, INCLUDING BUT NOT LIMITED TO, PERSONAL INJURIES AND PROPERTY DAMAGES.

Some states or countries do not allow the exclusion or limitation of incidental or consequential damages so these limitations may not apply to you.

TO THE EXTENT PERMITTED BY LAW, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED IN DURATION.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state and country to country.



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How to Order

State quantity, figure number and size for each valve or fitting you wish to order. See individual catalog pages for specific or special product designations.

HOW MANY TO ORDER

NIBCO® valves and fittings are decimal packed for your convenience in handling, shipping and stock-keeping. Number in master carton varies with item.

POLICY ON RETURNS TO FACTORY

No NIBCO valves and fittings are to be returned without prior written agreement. Transportation must be prepaid. A 20% charge will be made to cover cost of rehandling and reinspection.

TECHNICAL ASSISTANCE

Engineers, contractors, wholesalers or manufacturers may obtain special or technical assistance from any factory representative of NIBCO. Write, fax or phone.

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