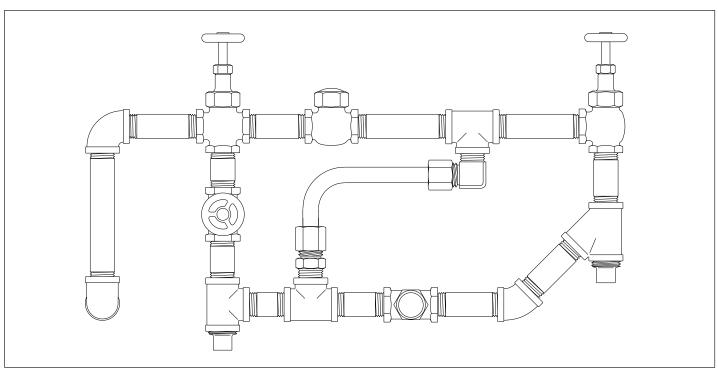
pop-9w-Parto M

Set PF1
Pipe Fittings

Pre-Drawn Standard Parts for the Desktop Publisher & Technical Illustrator

User's Guide for Windows and Macintosh



About Pop-In-Parts

Thank you for choosing *Pop-In Parts*, *Pipe Fittings* clip art set. We hope you find this collection of pre-drawn standard components to be a useful new tool for your desktop publishing and/or technical illustrating needs.

This collection was created primarily for illustrators creating piping or tubing illustrations, drawings, or diagrams using an illustrating program on a PC. This set contains a large assortment of commonly used piping and tubing fittings which are used to create illustrations or drawings. Also included are standard pipe fitting symbols which are used to create schematic diagrams. Most symbols contain integral white-out blocks to automatically hide the line beneath, allowing for rapid placement and easy relocation on the diagram.

Pipe fittings are provided in both shaded and unshaded versions. Symbols are provided for threaded, flanged and welded types of piping.

All Pop-In Parts illustrations are created in Adobe Illustrator in EPS (Encapsulated PostScript^R) format for both PC and Macintosh computers. In addition, a Windows version is available in the popular Windows Metafile (.WMF) format which is the most common vector graphics file format in the Windows environment. These formats allow Pop-In Parts illustrations to be used in virtually any page layout, word processing, presentation and illustration software. They are fully editable in Adobe Illustrator and several other applications on both the PC and Mac. Consult your user's manual for compatibility information for your particular application software.

Printing

Pop-In Parts images are all vector based graphics - the highest quality graphics available on a PC. To achieve maximum printing resolution of EPS files, a PostScript interpreter must be available, either built into your application software (which is quite common) or in a PostScript-compatible printer. Consult your User's Manual - EPS file printing capability will be noted there. If no Postscript capability is available, WMF files should be used. All Pop-In Parts illustrations will print at whatever resolution of which your printer or imagesetter is capable. They can be enlarged or reduced without "jaggies" and with no loss of detail, giving you total control over your illustrations.

Backing up Your Files

It is always a good idea to make backup copies. It is recommended to keep the master disks or original zipfiles in a safe place and work from copies.

If space isn't a problem on your hard disk, you can copy all Pop-In Part files onto your hard disk. If space is a problem, you can copy individual files onto your hard disk as needed.

Getting Started

To use Pop-In Parts, use the visual index on the following pages to find the image you wish to use. Note the name of the file. The top name is the item description and the bottom is the filename. These filenames will be followed by either .EPS, or .WMF, depending on the format you ordered.

Selecting Fittings and Symbols

Open the compatible application and then use the "Place", "Import", "Get Picture", or other command that your application uses and select the file you wish to use. Most applications will show the image on the screen. You can then crop, enlarge, reduce or move the image.

If you are using Adobe Illustrator or a drawing program with Illustrator editing capability, you can select the view you wish to use and copy and paste or "place" it ion your drawing or diagram. Follow specific instructions in your application user's manual.

You may find it more convenient to locate all the parts you intend to use in one file for rapid access when putting a drawing together. The files titled "ALL" have been included for some of the parts sets for that purpose.

Piping Schematic Symbols - Threaded Pipe

Description: Top Line

Filename: Bottom Line













Joint **JOINT** Elbow 90 deg ELBOW_90

Elbow 45 deg ELBOW_45

Elbow Turned Up ELBOW_UP

Elbow Turned Down Elbow Long Radius ELBOW_DN

ELBOW_LR













Side Out Elbow Down **ELBSIDDN**

Side Out Elbow Up **ELBSIDUP**

Base Elbow ELB_BASE

ELB DBR

Double Branch Elbow Reducing Elbow **ELB REDU**

Reducer **REDUCER**











Eccentric Reducer RED_ECCN

Tee Output Up TEE_UP

Tee Output Down TEE_DOWN

Tee TEE Side Out Tee Up **TEESIDUP**

Side Out Tee Down **TEESIDDN**











TEESSWP

Single Sweep Tee Double Sweep Tee **TEEDSWP**

Cross **CROSS**

Lateral **LATERAL**

Gate Valve VLV_GATE Globe Valve VLV_GLOB



VLV_ANGL

VLV ANGT

Check Valve VLV_CHCK

Angle Check Valve VLV ANCK

Stop Cock STP_COCK Safety Valve VLV_SAFE



Quick Open Valve Float Operate Valve Motor Oper Gate Valve VLV_QUIK

Expansion Joint Flanged

Union **UNION**

Bushing BUSHING

3

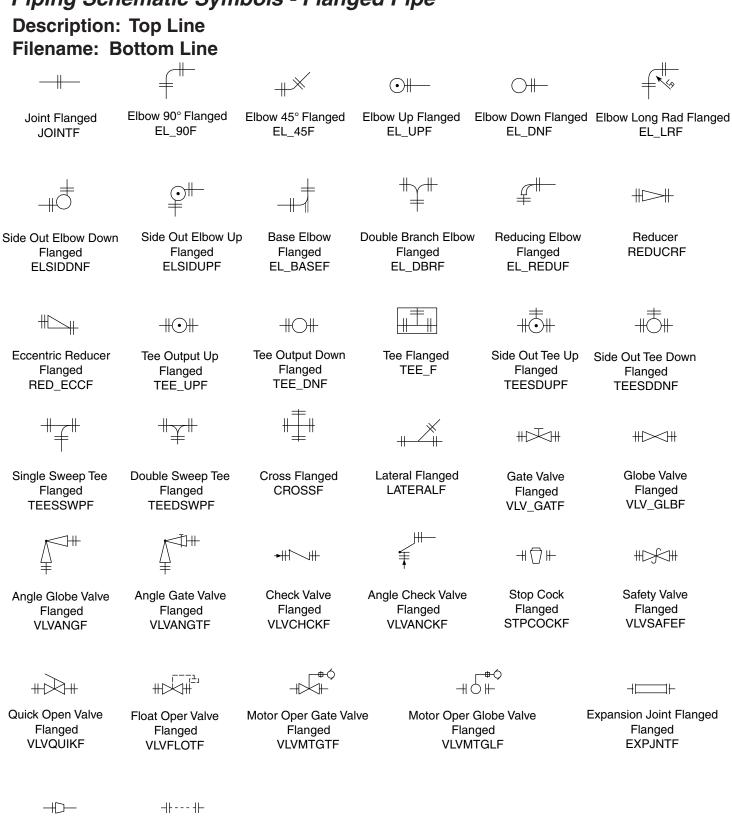
Piping Schematic Symbols - Flanged Pipe

Reducing Flange

REDFLGF

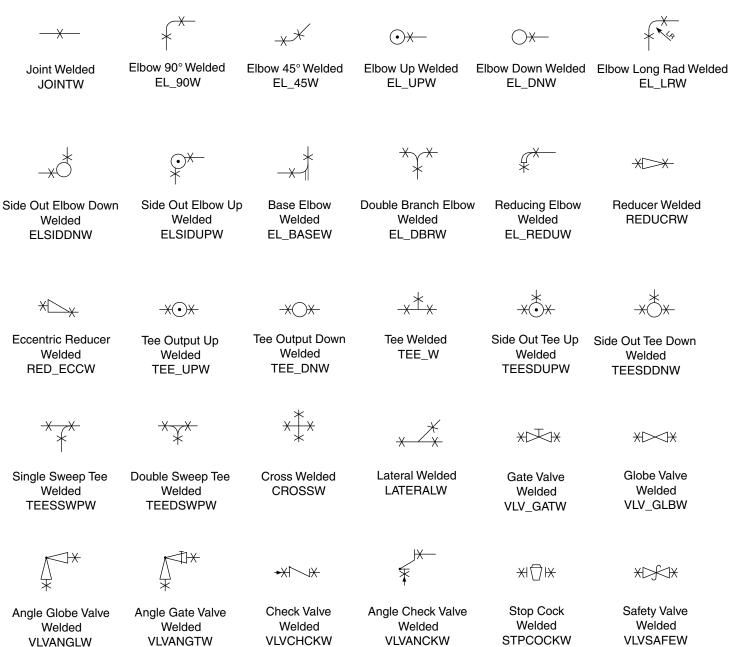
Sleeve

SLEEVEF



Piping Schematic Symbols - Welded Pipe

Description: Top Line Filename: Bottom Line







Float Oper Valve Welded VLVFLOTW



Motor Oper Gate Valve Welded VLVMTGTW

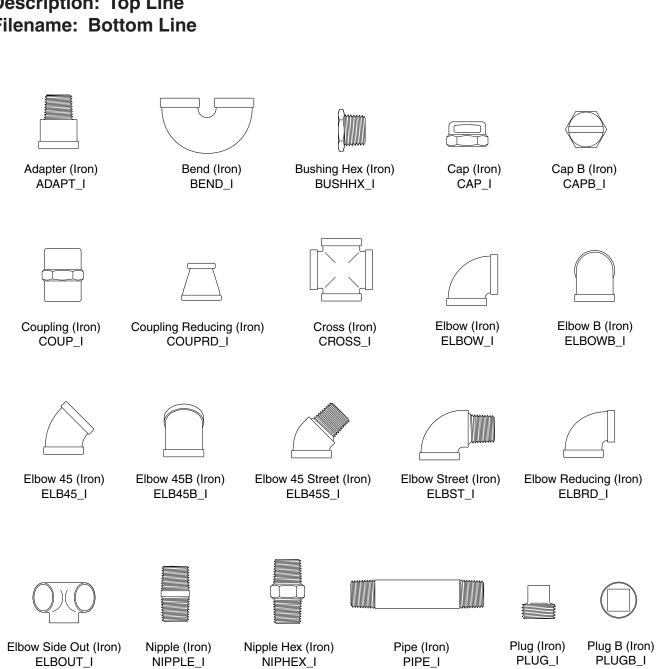


Expansion Joint Flanged Welded EXPJNTW -X++X-

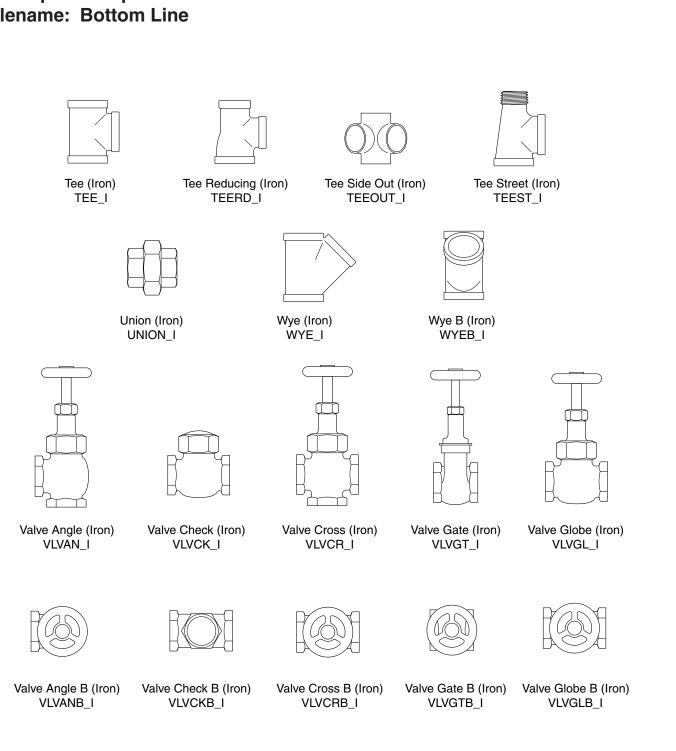
Union Welded Bushing Welded UNIONW BUSHINGW

+

Iron Pipe Fittings - Unshaded 1



Iron Pipe Fittings - Unshaded 2



Iron Pipe Fittings - Shaded 1

Description: Top Line Filename: Bottom Line



Adapter (IronSh) ADAPT_IS



Bend (IronSh) BEND_IS



Bushing Hex (IronSh) BUSHX_IS



Cap (IronSh) CAP_IS



Cap B (IronSh) CAPB_IS



Coupling (IronSh) COUP_IS



Coupling Reducing (IronSh) COUPR_IS



Cross (IronSh) CROSS_IS



Elbow (IronSh) ELBOW_IS



Elbow B (IronSh) ELBOB_IS



Elbow 45 (IronSh) ELB45_IS



Elbow 45B (IronSh) EL45B IS



Elbow 45 Street (IronSh) EL45S IS



Elbow Street (IronSh) **ELBST IS**



Elbow Reducing (IronSh) ELBRD IS



Elbow Side Out (IronSh) **ELBOU IS**



NIPPL IS



Nipple (IronSh) Nipple Hex (IronSh) NIPHX IS



Pipe (IronSh) PIPE IS



PLUG_IS

Plug (IronSh) Plug B (IronSh)

PLUGB IS



Iron Pipe Fittings - Shaded 2



Tee (IronSh) TÈE_IS



Tee Reducing (IronSh) TEERD_IS



Tee Side Out (IronSh) TEEOU_IS



Tee Street (IronSh) TEEST_IS



Union (IronSh) UNION_IS



Wye (IronSh) WYE_IS



Wye B (IronSh) WYEB_IS



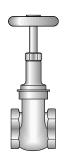
Valve Angle (IronSh) VLVAN_IS



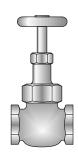
Valve Check (IronSh) VLVCK_IS



Valve Cross (IronSh) VLVCR_IS



Valve Gate (IronSh) VLVGT_IS



Valve Globe (IronSh) VLVGL_IS



Valve Angle B (IronSh) VLANB_IS



VLCKB_IS



Valve Check B (IronSh) Valve Cross B (IronSh) VLCRB_IS



VLGTB_IS



Valve Gate B (IronSh) Valve Globe B (IronSh) VLGLB_IS

PVC Pipe Fittings - Unshaded 1 **Description: Top Line** Filename: Bottom Line Cap Threaded (PVC) Cap (PVC) Adapter (PVC) Cap Threaded B (PVC) ADAPT_P CAP_P CAPTH_P CAPTHB_P Coupling (PVC) Cross (PVC) Elbow (PVC) Elbow B (PVC) COUP_P CROSS_P ELBOW_P ELBOWB_P Pipe (PVC) Elbow 45B (PVC) Elbow 45 (PVC) Elbow Street (PVC) PIPE_P ELB45B_P ELB45_P ELBST_P Tee (PVC) Plug (PVC) Plug B (PVC) TEE_P PLUG_P PLUGB_P Wye B (PVC) Wye (PVC) WYEB_P WYE_P

PVC Pipe Fittings - Shaded **Description: Top Line** Filename: Bottom Line Adapter (PVCSh) Cap (PVCSh) Cap Threaded (PVCSh) Cap Threaded B (PVCSh) ADAPT_PS CAP_PS CAPTH_PS CAPTB_PS Coupling (PVCSh) Cross (PVCSh) Elbow (PVCSh) Elbow B (PVCSh) COUP_PS ELBOW_PS ELBOB_PS CROSS_PS Pipe (PVCSh) Elbow 45B (PVCSh) Elbow 45 (PVCSh) Elbow Street (PVCSh) PIPE_PS EL45B_PS EL45_PS ELST_PS Plug B (PVCSh) Tee (PVCSh) Plug (PVCSh) PĽÙG_PS PLUGB_PS TEE_PS Wye (PVCSh) Wye B (PVCSh) WYE_PS WYEB_PS

Large PVC Pipe Fittings - Unshaded **Description: Top Line** Filename: Bottom Line Elbow 45 (LgPVC) Elbow B (LgPVC) Cross (LgPVC) Elbow (LgPVC) Cap (LgPVC) EL45_LP ELBOW_LP ELBOB LP CROSS LP CAP_LP Pipe (LgPVC) Elbow Long B (LgPVC) Elbow Street (LgPVC) Elbow Long (LgPVC) Elbow 45B (LgPVC) PIPE_LP ELST_LP ELLG_LP ELLGB_LP EL45B_LP Plug (LgPVC) Plug B (LgPVC) Reducer (LgPVC) Reducer B (LgPVC) Pipe Plain (LgPVC) PLUG_LP PLUGB_LP RED_LP REDB_LP PIPPL LP Valve Ball (LgPVC) Valve Ball B (LgPVC) Valve Check (LgPVC) Strainer (LgPVC) Tee (LgPVC) VLCK_LP STRN LP TEE_LP VLBA_LP VLBAB_LP Valve Check 2 (LgPVC) Valve Union (LgPVC) Valve Union B (LgPVC) Wye (LgPVC) Wye B (LgPVC) VLCKB_LP VLUN_LP VLUNB_LP WYE_LP WYEB_LP

Large PVC Pipe Fittings - Shaded



Cap (LgPVCSh) CAP_LPS



Cross (LgPVCSh) CROS LPS



Elbow (LgPVCSh) ELB_LPS



Elbow B (LgPVCSh) ELBB_LPS



Elbow 45 (LgPVCSh) EL45_LPS











E45B_LPS

ELST_LPS

ELLG_LPS

Elbow 45B (LgPVCSh) Elbow Street (LgPVCSh) Elbow Long (LgPVCSh) Elbow Long B (LgPVCSh) ELGB LPS

Pipe (LgPVCSh) PIPE_LPS













Pipe Plain (LgPVCSh) PIPL LPS

Plug (LgPVCSh) PLUG_LPS

Plug B (LgPVCSh) PLGB_LPS

Reducer (LgPVCSh) RED_LPS

Reducer B (LgPVCSh) REDB_LPS



Strainer (LgPVCSh) STRN_LPS



Tee (LgPVCSh) TEE_LPS



Valve Ball (LgPVCSh) VLBA LPS



VLBB LPS



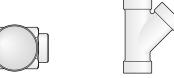
Valve Ball B (LgPVCSh) Valve Check (LgPVCSh) VLCK LPS



VLC2_LPS



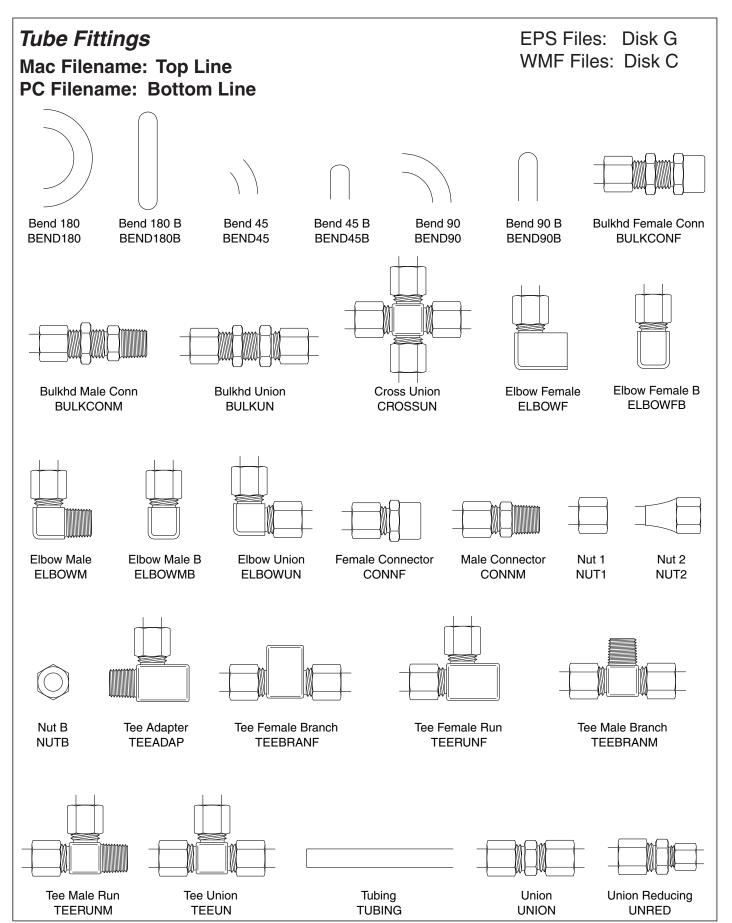
Valve Check 2 (LgPVCSh) Valve Union (LgPVCSh) Valve Union B (LgPVCSh) VLUN_LPS VLUB_LPS



Wye (LgPVCSh) WYE_LPS



Wye B (LgPVCSh) WYEB_LPS



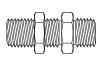
Tube Fittings - Fittings Only



F_Bulkhd Fem Conn F_BLCONF



F_Bulkhd Male Conn F_BLCONM



F_Bulkhd Union F_BULKUN



F_CrossUnion F_CROSUN



F_Elbow Female F_ELBOF



F_Elbow Female B F_ELBOFB



F_Elbow Male F_ELBOM



F_Elbow Male B F_ELBOMB



F_Elbow Union F_ELBOUN



F_Female Connector F_CONNF



F_Male Connector F_CONNM



F_Tee Adapter F_TEEAD



F_Tee Female Branch F_TEEBRF



F_Tee Female Run F_TEERNF



F_Tee Male Branch F_TEEBRM



F_Tee Male Run F_TEERNM



F_Tee Union F_TEEUN



F_Union F_UNION



F_Union Reducing F_UNRED

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