

Service Brass

Underground Service Brass

E.J. Prescott, Inc. distributes underground service brass. The manufacture, design and individual testing of brass are done in accordance with AWWA specifications, C-800 and ASTM code, B-62. These codes pertain to a standardization of metal alloys and thread dimension. Both are important factors in the manufacture of 'Red Brass' which contains 85% copper, 5% tin, 5% lead and 5% zinc.

E.J. Prescott's manufacturers have individually tested each product, thereby guaranteeing excellent quality control.

SHORT SPEC:

Service Brass must conform to AWWA Standard C-800 (latest revision) and pack joint end connections shall consist of a Buna-N beveled gasket for water-tight seal. An independent, split-clamp locking device or stainless steel beveled gripper shall be incorporated in the design for additional restraint.

TYPE OF PIPE OR TUBING		1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
PE OR PB PIPE (160 PSI)	I.D.	—	.824	1.049	1.380	1.610	2.067
	O.D.	—	1.068	1.359	1.786	2.090	2.675
CTS PLASTIC OR COPPER TUBING	O.D.	.625	.875	1.125	1.375	1.625	2.125
RIGID PVC OR IRON PIPE	O.D.	.840	1.050	1.315	1.660	1.900	2.375

Types of Plastic Pipe and Tubing

PE PIPE

Polyethylene flexible water service pipe, commonly referred to as IPS (iron pipe size) polyethylene, has an outside diameter the same as the corresponding size of standard iron pipe.

PLASTIC TUBING

Flexible water service tubing, commonly referred to as CTS (copper tubing size), has an outside diameter the same as the corresponding size of copper tubing.

PVC PIPE

Polyvinyl chloride is a rigid plastic pipe. Outside diameters are the same as the corresponding sizes of standard iron pipe (IPS). Pack Joints for PVC Pipe are only recommended for Schedule 40 and Schedule 80 pipe.

Abbreviations Common to Service Brass Fittings

- CC Corporation-Inlet has AWWA Taper Thread
- CP Copper Pipe
- CPFT Copper Flared Joint (Fine Thread)
- CPPJ Copper Pipe Pack Joint (Compression)
- CTS Copper Tubing Size
- FT Fine Thread
- FEIP Female Iron Pipe Thread
- FIP Female Iron Pipe
- GJ Grip Joint (Compression Joint for Copper or CTS Tubing)
- IP Corporation-Inlet Has Straight Thread
- IPS Iron Pipe Size
- IPPJ Iron Pipe Pack Joint (Compression)
- JT Joint
- MIP Male Iron Pipe Thread
- NC National Coarse
- PBP Polybutylene Pipe
- PBT Polybutylene Tubing
- PE Polyethylene
- PEP Polyethylene Pipe
- PET Polyethylene Tubing
- PVC Polyvinyl Chloride Pipe