

**CLOSE
NIPPLE**

PART No.	Pipe
112-A	1/8
112-B	1/4
112-C	3/8
112-D	1/2
112-E	3/4
112-H	1
112-J	1-1/4
112-K	1-1/2
112-M	2
112-N	2-1/2
112-P	3
112-S	4

**CLOSE
NIPPLE
(Red Brass)**

PART No.	Pipe
112RED-A	1/8
112RED-D	1/2
112RED-E	3/4

**HEX
NIPPLE**

PART No.	Pipe
122-A	1/8
122-B	1/4
122L-B *	1/4
122-C	3/8
122-D	1/2
122-E	3/4
122-H	1

* LONG PATTERN – 1-3/8 INCHES

PART No.	Pipe		Pipe
122-BA	1/4	to	1/8
122-CA	3/8	to	1/8
122-CB	3/8	to	1/4
122-DB	1/2	to	1/4
122-DC	1/2	to	3/8
122-ED	3/4	to	1/2

**LONG
NIPPLE**

PART No.	Pipe	Length (IN.)
113-A1-1/2	1/8	1-1/2
113-A2	1/8	2
113-A2-1/2	1/8	2-1/2
113-A3	1/8	3
113-A3-1/2	1/8	3-1/2
113-A4	1/8	4
113-A4-1/2	1/8	4-1/2
113-A5	1/8	5
113-A5-1/2	1/8	5-1/2
113-A6	1/8	6

**LONG
NIPPLE**

PART No.	Pipe	Length (IN.)
113-B1-1/2	1/4	1-1/2
113-B2	1/4	2
113-B2-1/2	1/4	2-1/2
113-B3	1/4	3
113-B3-1/2	1/4	3-1/2
113-B4	1/4	4
113-B4-1/2	1/4	4-1/2
113-B5	1/4	5
113-B5-1/2	1/4	5-1/2
113-B6	1/4	6
3/8 NPT		
113-C1-1/2	3/8	1-1/2
113-C2	3/8	2
113-C2-1/2	3/8	2-1/2
113-C3	3/8	3
113-C3-1/2	3/8	3-1/2
113-C4	3/8	4
113-C4-1/2	3/8	4-1/2
113-C5	3/8	5
113-C5-1/2	3/8	5-1/2
113-C6	3/8	6
1/2 NPT		
113-D1-1/2	1/2	1-1/2
113-D2	1/2	2
113-D2-1/2	1/2	2-1/2
113-D3	1/2	3
113-D3-1/2	1/2	3-1/2
113-D4	1/2	4
113-D4-1/2	1/2	4-1/2
113-D5	1/2	5
113-D5-1/2	1/2	5-1/2
113-D6	1/2	6
3/4 NPT		
113-E2	3/4	2
113-E2-1/2	3/4	2-1/2
113-E3	3/4	3
113-E3-1/2	3/4	3-1/2
113-E4	3/4	4
113-E4-1/2	3/4	4-1/2
113-E5	3/4	5
113-E5-1/2	3/4	5-1/2
113-E6	3/4	6
1 NPT		
113-H2	1	2
113-H2-1/2	1	2-1/2
113-H3	1	3
113-H3-1/2	1	3-1/2
113-H4	1	4
113-H4-1/2	1	4-1/2
113-H5	1	5
113-H5-1/2	1	5-1/2
113-H6	1	6

**LONG
NIPPLE**

PART No.	Pipe	Length (IN.)
113-J2	1-1/4	2
113-J2-1/2	1-1/4	2-1/2
113-J3	1-1/4	3
113-J3-1/2	1-1/4	3-1/2
113-J4	1-1/4	4
113-J4-1/2	1-1/4	4-1/2
113-J5	1-1/4	5
113-J6	1-1/4	6
1-1/2 NPT		
113-K2	1-1/2	2
113-K2-1/2	1-1/2	2-1/2
113-K3	1-1/2	3
113-K3-1/2	1-1/2	3-1/2
113-K4	1-1/2	4
113-K6	1-1/2	6
2 NPT		
113-M2-1/2	2	2-1/2
113-M3	2	3
113-M3-1/2	2	3-1/2
113-M4	2	4
113-M5	2	5
113-M6	2	6

LONGER LENGTHS AVAILABLE
ON REQUEST.**LONG
NIPPLE
(Red Brass)**

PART No.	Pipe	Length (IN.)
113RED-C3	3/8	3
1/2 NPT		
113RED-D1-1/2	1/2	1-1/2
113RED-D2	1/2	2
113RED-D2-1/2	1/2	2-1/2
113RED-D3	1/2	3
113RED-D3-1/2	1/2	3-1/2
113RED-D4	1/2	4
3/4 NPT		
113RED-E1-1/2	3/4	1-1/2
113RED-E2	3/4	2
113RED-E2-1/2	3/4	2-1/2
113RED-E3	3/4	3
113RED-E4	3/4	4

**COUPLING**

PART No.	Pipe
103-A	1/8
103-B	1/4
103-C	3/8
103-D	1/2
103-E	3/4

A


**COUPLING
(Cast Bronze)**

PART No.	Pipe
103CA-D	1/2
103CA-E	3/4
103-H	1
103-J	1-1/4
103-K	1-1/2
103-M	2
103-N	2-1/2
103-P	3


**REDUCING
COUPLING**

PART No.	Pipe	Pipe
119-BA	1/4	to 1/8
119-CA	3/8	to 1/8
119-CB	3/8	to 1/4
119-DA	1/2	to 1/8
119-DB	1/2	to 1/4
119-DC	1/2	to 3/8
119-ED	3/4	to 1/2


**REDUCING
COUPLING
(Cast Bronze)**

PART No.	Pipe	Pipe
119-EB	3/4	to 1/4
119-EC	3/4	to 3/8
119-HB	1	to 1/4
119-HC	1	to 3/8
119-HD	1	to 1/2
119-HE	1	to 3/4
119-JD	1-1/4	to 1/2
119-JE	1-1/4	to 3/4
119-JH	1-1/4	to 1
119-KH	1-1/2	to 1
119-KJ	1-1/2	to 1-1/4
119-ME	2	to 3/4
119-MK	2	to 1-1/2
119-NK	2-1/2	to 1-1/2
119-NM	2-1/2	to 2
119-PM	3	to 2
119-PN	3	to 2-1/2


**UNION
COUPLING**

PART No.	Pipe
104-A	1/8
104-B	1/4
104-C	3/8
104-D	1/2
104-E	3/4


**UNION
COUPLING
(Cast Bronze)**

PART No.	Pipe
104-H	1
104-J	1-1/4
104-K	1-1/2
104-M	2


ADAPTER

PART No.	Female Pipe	Male Pipe
120-AA	1/8	to 1/8
120-BB	1/4	to 1/4
120-CC	3/8	to 3/8
120-DD	1/2	to 1/2

PART No.	Female Pipe	Male Pipe
120-A-1	1/8	to 1/16
120-BA	1/4	to 1/8
120-CA	3/8	to 1/8
120-CB	3/8	to 1/4
120-DB	1/2	to 1/4
120-DC	1/2	to 3/8
120-ED	3/4	to 1/2


BUSHING

PART No.	Male Pipe	Female Pipe
110-BA	1/4	to 1/8
110-CA	3/8	to 1/8
110-CB	3/8	to 1/4
110-DA	1/2	to 1/8
110-DB	1/2	to 1/4
110-DC	1/2	to 3/8
110-EA	3/4	to 1/8
110-EB	3/4	to 1/4
110-EC	3/4	to 3/8
110-ED	3/4	to 1/2
110-HB	1	to 1/4
110-HC	1	to 3/8
110-HD	1	to 1/2
110-HE	1	to 3/4


**BUSHING
(Cast Bronze)**

PART No.	Male Pipe	Female Pipe
110CA-ED	3/4	to 1/2
110CA-HB	1	to 1/4
110CA-HC	1	to 3/8
110CA-HD	1	to 1/2
110CA-HE	1	to 3/4
110-JD	1-1/4	to 1/2
110-JE	1-1/4	to 3/4
110-JH	1-1/4	to 1
110-KD	1-1/2	to 1/2
110-KE	1-1/2	to 3/4
110-KH	1-1/2	to 1
110-KJ	1-1/2	to 1-1/4
110-MH	2	to 1
110-MJ	2	to 1-1/4
110-MK	2	to 1-1/2
110-NK	2-1/2	to 1-1/2
110-NM	2-1/2	to 2
110-PM	3	to 2
110-PN	3	to 2-1/2


LOCK NUT

PART No.	Pipe
111-A	1/8
111-B	1/4
111-C	3/8
111-D	1/2
111-E	3/4


**LOCK NUT
(Cast Bronze)**

PART No.	Pipe
111-H	1
111-J	1-1/4
111-K	1-1/2
111-M	2
111-N	2-1/2


**PLUG
Square Head**

PART No.	Pipe
109-A	1/8
109-B	1/4
109-C	3/8
109-D	1/2
109-E	3/4


**PLUG
Square Head
(Cast Bronze)**

PART No.	Pipe
109-H	1
109-J	1-1/4
109-K	1-1/2
109-M	2
109-N	2-1/2
109-P	3


**PLUG
Slotted**

PART No.	Pipe
117-A	1/8
117-B	1/4
117-C	3/8


**PLUG
Hex
Countersunk**

PART No.	Pipe
118-A	1/8
118-B	1/4
118-C	3/8
118-D	1/2
118-E	3/4

**PLUG
Hex Head**

PART No.		Pipe
121-1	Cored	1/16
121-A	Cored	1/8
121-B	Cored	1/4
121-C	Cored	3/8
121-D	Cored	1/2
121-H	Cored	1

PART No.		Pipe
121S-A	Solid	1/8
121S-B	Solid	1/4
121S-C	Solid	3/8
121S-D	Solid	1/2
121S-E	Solid	3/4

**CAP**

PART No.	Pipe
108-A	1/8
108-B	1/4
108-C	3/8
108-D	1/2
108-E	3/4

**CAP
(Cast Bronze)**

PART No.	Pipe
108CA-D	1/2
108CA-E	3/4
108-H	1
108-J	1-1/4
108-K	1-1/2
108-M	2
108-N	2-1/2
108-P	3

**FORGED
90° ELBOW**

PART No.	Pipe
99-A	1/8
99-B	1/4
99-C	3/8
99-D	1/2

PART No.	Pipe		Pipe
99-BA	1/4	to	1/8
99-CA	3/8	to	1/8
99-CB	3/8	to	1/4
99-DC	1/2	to	3/8

**EXTRUDED
90° STREET
ELBOW**

PART No.	Pipe
X115-A	1/8
X115-B	1/4
X115-C	3/8
X115-D	1/2
X115-E	3/4

PART No.	Pipe		Female Pipe		Male Pipe
X115-BA	1/4	to			1/8
X115-DC	1/2	to			3/8

**FORGED
90° STREET
ELBOW**

PART No.	Pipe
116-A	1/8
116-B	1/4
116-C	3/8
116-D	1/2
116-E	3/4

PART No.	Female Pipe		Male Pipe
116-AB	1/8	to	1/4
116-BA	1/4	to	1/8
116-CB	3/8	to	1/4
116-CD	3/8	to	1/2
116-DC	1/2	to	3/8

**90° STREET
ELBOW
(Cast Bronze)**

PART No.	Pipe
116CA-D	1/2
116CA-E	3/4
116-H	1
116-J	1-1/4
116-K	1-1/2
116-M	2
116-N	2-1/2
116-P	3

**FORGED
90° STREET
ELBOW
Heavy Pattern**

PART No.	Pipe
116H-B	1/4
116H-C	3/8

**FORGED
90° ELBOW**

PART No.	Pipe
100-A	1/8
100-B	1/4
100-C	3/8
100-D	1/2
100-E	3/4

PART No.	Pipe		Pipe
100-BA	1/4	to	1/8
100-CB	3/8	to	1/4
100-DC	1/2	to	3/8

**90° ELBOW
(Cast Bronze)**

PART No.	Pipe
100CA-D	1/2
100CA-E	3/4
100-H	1
100-J	1-1/4
100-K	1-1/2
100-M	2
100-N	2-1/2
100-P	3
100-S	4

**90° ELBOW
(Cast Bronze)**

PART No.	Pipe		Pipe
100-ED	3/4	to	1/2
100-HE	1	to	3/4
100-JH	1-1/4	to	1
100-KJ	1-1/2	to	1-1/4

**EXTRUDED
90° ELBOW**

PART No.	Pipe
X100-A	1/8
X100-B	1/4
X100-C	3/8
X100-D	1/2

**FORGED
45° STREET
ELBOW**

PART No.	Pipe
124-A	1/8
124-B	1/4
124-C	3/8

**45° STREET
ELBOW
(Cast Bronze)**

PART No.	Pipe
124-D	1/2
124-E	3/4
124-H	1
124-J	1-1/4
124-K	1-1/2
124-M	2

**EXTRUDED
45° STREET
ELBOW**

PART No.	Pipe
X124-A	1/8
X124-B	1/4
X124-C	3/8
X124-D	1/2
X124-E	3/4

A


**45° ELBOW
(Cast Bronze)**

PART No.	Pipe
105-B	1/4
105-C	3/8
105-D	1/2
105-E	3/4
105-H	1
105-J	1-1/4
105-K	1-1/2
105-M	2
105-N	2-1/2
105-P	3


**EXTRUDED
45° ELBOW**

PART No.	Pipe
X105-A	1/8
X105-B	1/4


**FORGED
CROSS**

PART No.	Pipe
102-A	1/8
102-B	1/4
102-C	3/8
102-D	1/2


**CROSS
(Cast Bronze)**

PART No.	Pipe
102-E	3/4
102-H	1
102-J	1-1/4
102-K	1-1/2
102-M	2


**EXTRUDED
CROSS**

PART No.	Pipe
X102-A	1/8
X102-B	1/4
X102-C	3/8
X102-D	1/2


**FORGED
MALE BRANCH
TEE**

PART No.	Pipe
106-A	1/8
106-B	1/4
106-C	3/8
106-D	1/2


**EXTRUDED
MALE BRANCH
TEE**

PART No.	Pipe
X106-A	1/8
X106-B	1/4
X106-C	3/8


**FORGED
MALE
TEE**

PART No.	Pipe
101M-A	1/8
101M-B	1/4
101M-C	3/8
101M-D	1/2
101M-E	3/4

PART No.	Reducing		
	1	2	3
101M-CB	3/8	3/8	1/4


**FORGED
STREET
TEE**

PART No	Pipe
107-A	1/8
107-B	1/4
107-C	3/8
107-D	1/2
107-E	3/4


**EXTRUDED
STREET
TEE**

PART No	Pipe
X107-A	1/8
X107-B	1/4
X107-C	3/8
X107-D	1/2
X107-E	3/4


**FORGED
TEE**

PART No.	Pipe
101-A	1/8
101-B	1/4
101-C	3/8
101-D	1/2
101-E	3/4


**TEE
(Cast Bronze)**

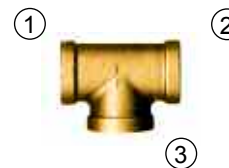
PART No.	Pipe
101CA-C	3/8
101CA-D	1/2
101CA-E	3/4
101-H	1
101-J	1-1/4
101-K	1-1/2
101-M	2
101-N	2-1/2
101-P	3


**EXTRUDED
TEE**

PART No.	Pipe
X101-A	1/8
X101-B	1/4
X101-C	3/8
X101-D	1/2


**FORGED
TEE**

PART No.	Reducing		
	1	2	3
101-BA	1/4	1/4	1/8
101-CB	3/8	3/8	1/4
101-DC	1/2	1/2	3/8
101-ED	3/4	3/4	1/2


**TEE
(Cast Bronze)**

PART No.	Reducing		
	1	2	3
101-DB	1/2	1/2	1/4
101-EDE	3/4	1/2	3/4
101-HD	1	1	1/2
101-HE	1	1	3/4
101-JH	1-1/4	1-1/4	1
101-KJ	1-1/2	1-1/2	1-1/4


**FLOOR
FLANGE**

PART No.	Pipe
114-D	1/2
114-E	3/4
114-H	1
114-J	1-1/4
114-K	1-1/2
114-M	2


**"Y"
BLOCK**

PART No.	Female	Male
	Pipe	Pipe
678-YB	1/4	1/4

BLACK IRON PIPE FITTINGS

SCHEDULE 40 (150 LB.)



BUSHING

PART No.	Pipe
BI-110-BA	1/4 to 1/8
BI-110-CA	3/8 to 1/8
BI-110-CB	3/8 to 1/4
BI-110-DA	1/2 to 1/8
BI-110-DB	1/2 to 1/4
BI-110-DC	1/2 to 3/8
BI-110-EB	3/4 to 1/4
BI-110-EC	3/4 to 3/8
BI-110-ED	3/4 to 1/2
BI-110-HB	1 to 1/4
BI-110-HC	1 to 3/8
BI-110-HD	1 to 1/2
BI-110-HE	1 to 3/4
BI-110-JC	1-1/4 to 3/8
BI-110-JD	1-1/4 to 1/2
BI-110-JE	1-1/4 to 3/4
BI-110-JH	1-1/4 to 1
BI-110-KD	1-1/2 to 1/2
BI-110-KE	1-1/2 to 3/4
BI-110-KH	1-1/2 to 1
BI-110-KJ	1-1/2 to 1-1/4
BI-110-MD	2 to 1/2
BI-110-ME	2 to 3/4
BI-110-MH	2 to 1
BI-110-MJ	2 to 1-1/4
BI-110-MK	2 to 1-1/2
BI-110-NH	2-1/2 to 1
BI-110-NJ	2-1/2 to 1-1/4
BI-110-NK	2-1/2 to 1-1/2
BI-110-NM	2-1/2 to 2
BI-110-PM	3 to 2
BI-110-PN	3 to 2-1/2
BI-110-SM	4 to 2
BI-110-SN	4 to 2-1/2
BI-110-SP	4 to 3



REDUCING COUPLING

PART No.	Pipe
BI-119-BA	1/4 to 1/8
BI-119-CA	3/8 to 1/8
BI-119-CB	3/8 to 1/4
BI-119-DB	1/2 to 1/4
BI-119-DC	1/2 to 3/8
BI-119-EA	3/4 to 1/8
BI-119-EB	3/4 to 1/4
BI-119-EC	3/4 to 3/8
BI-119-ED	3/4 to 1/2
BI-119-HB	1 to 1/4
BI-119-HC	1 to 3/8
BI-119-HD	1 to 1/2
BI-119-HE	1 to 3/4
BI-119-JD	1-1/4 to 1/2
BI-119-JE	1-1/4 to 3/4
BI-119-JH	1-1/4 to 1
BI-119-KD	1-1/2 to 1/2
BI-119-KE	1-1/2 to 3/4
BI-119-KH	1-1/2 to 1
BI-119-KJ	1-1/2 to 1-1/4
BI-119-ME	2 to 3/4
BI-119-KH	1-1/2 to 1
BI-119-KJ	1-1/2 to 1-1/4
BI-119-ME	2 to 3/4
BI-119-MD	2 to 1/2
BI-119-MH	2 to 1
BI-119-MJ	2 to 1-1/4
BI-119-MK	2 to 1-1/2
BI-119-NK	2-1/2 to 1-1/2
BI-119-NM	2-1/2 to 2
BI-119-PM	3 to 2
BI-119-PN	3 to 2-1/2
BI-119-SN	4 to 2-1/2
BI-119-SP	4 to 3



COUPLING

FOR REDUCING COUPLING SEE
PART No BI-119 SERIES

PART No.	Pipe
BI-103-A	1/8
BI-103-B	1/4
BI-103-C	3/8
BI-103-D	1/2
BI-103-E	3/4
BI-103-H	1
BI-103-J	1-1/4
BI-103-K	1-1/2
BI-103-M	2
BI-103-N	2-1/2
BI-103-P	3
BI-103-S	4



UNION

PART No.	Pipe
BI-104-A	1/8
BI-104-B	1/4
BI-104-C	3/8
BI-104-D	1/2
BI-104-E	3/4
BI-104-H	1
BI-104-J	1-1/4
BI-104-K	1-1/2
BI-104-M	2
BI-104-N	2-1/2
BI-104-P	3
BI-104-S	4



CLOSE NIPPLE

PART No.	Pipe
BI-112-A	1/8
BI-112-B	1/4
BI-112-C	3/8
BI-112-D	1/2
BI-112-E	3/4
BI-112-H	1
BI-112-J	1-1/4
BI-112-K	1-1/2
BI-112-M	2
BI-112-N	2-1/2
BI-112-P	3
BI-112-S	4



LONG NIPPLE

PART No.	Pipe	Length (IN.)
1/8 NPT		
BI-113-A1-1/2	1/8	1-1/2
BI-113-A2	1/8	2
BI-113-A2-1/2	1/8	2-1/2
BI-113-A3	1/8	3
BI-113-A3-1/2	1/8	3-1/2
BI-113-A4	1/8	4
BI-113-A4-1/2	1/8	4-1/2
BI-113-A5	1/8	5
BI-113-A5-1/2	1/8	5-1/2
BI-113-A6	1/8	6
1/4 NPT		
BI-113-B1-1/2	1/4	1-1/2
BI-113-B2	1/4	2
BI-113-B2-1/2	1/4	2-1/2
BI-113-B3	1/4	3
BI-113-B3-1/2	1/4	3-1/2
BI-113-B4	1/4	4
BI-113-B4-1/2	1/4	4-1/2
BI-113-B5	1/4	5
BI-113-B5-1/2	1/4	5-1/2
BI-113-B6	1/4	6



LONG NIPPLE

PART No.	Pipe	Length (IN.)
3/8 NPT		
BI-113-C1-1/2	3/8	1-1/2
BI-113-C2	3/8	2
BI-113-C2-1/2	3/8	2-1/2
BI-113-C3	3/8	3
BI-113-C3-1/2	3/8	3-1/2
BI-113-C4	3/8	4
BI-113-C4-1/2	3/8	4-1/2
BI-113-C5	3/8	5
BI-113-C5-1/2	3/8	5-1/2
BI-113-C6	3/8	6
BI-113-C7	3/8	7
BI-113-C8	3/8	8
BI-113-C9	3/8	9
1/2 NPT		
BI-113-D1-1/2	1/2	1-1/2
BI-113-D2	1/2	2
BI-113-D2-1/2	1/2	2-1/2
BI-113-D3	1/2	3
BI-113-D3-1/2	1/2	3-1/2
BI-113-D4	1/2	4
BI-113-D4-1/2	1/2	4-1/2
BI-113-D5	1/2	5
BI-113-D5-1/2	1/2	5-1/2
BI-113-D6	1/2	6
BI-113-D7	1/2	7
3/4 NPT		
BI-113-E1-1/2	3/4	1-1/2
BI-113-E2	3/4	2
BI-113-E2-1/2	3/4	2-1/2
BI-113-E3	3/4	3
BI-113-E3-1/2	3/4	3-1/2
BI-113-E4	3/4	4
BI-113-E4-1/2	3/4	4-1/2
BI-113-E5	3/4	5
BI-113-E5-1/2	3/4	5-1/2
BI-113-E6	3/4	6
1 NPT		
BI-113-H2	1	2
BI-113-H2-1/2	1	2-1/2
BI-113-H3	1	3
BI-113-H3-1/2	1	3-1/2
BI-113-H4	1	4
BI-113-H4-1/2	1	4-1/2
BI-113-H5	1	5
BI-113-H5-1/2	1	5-1/2
BI-113-H6	1	6
1-1/4 NPT		
BI-113-J2	1-1/4	2
BI-113-J2-1/2	1-1/4	2-1/2
BI-113-J3	1-1/4	3
BI-113-J3-1/2	1-1/4	3-1/2
BI-113-J4	1-1/4	4
BI-113-J4-1/2	1-1/4	4-1/2
BI-113-J5	1-1/4	5
BI-113-J5-1/2	1-1/4	5-1/2
BI-113-J6	1-1/4	6
1-1/2 NPT		
BI-113-K2	1-1/2	2
BI-113-K2-1/2	1-1/2	2-1/2
BI-113-K3	1-1/2	3
BI-113-K3-1/2	1-1/2	3-1/2
BI-113-K4	1-1/2	4
BI-113-K4-1/2	1-1/2	4-1/2
BI-113-K5	1-1/2	5
BI-113-K5-1/2	1-1/2	5-1/2
BI-113-K6	1-1/2	6
2 NPT		
BI-113-M2-1/2	2	2-1/2
BI-113-M3	2	3
BI-113-M3-1/2	2	3-1/2
BI-113-M4	2	4
BI-113-M4-1/2	2	4-1/2
BI-113-M5	2	5
BI-113-M5-1/2	2	5-1/2
BI-113-M6	2	6

A


**LONG
NIPPLE**
(Continued)

PART No.	Pipe	Length (IN.)
2-1/2 NPT		
BI-113-N3	2-1/2	3
BI-113-N3-1/2	2-1/2	3-1/2
BI-113-N4	2-1/2	4
BI-113-N4-1/2	2-1/2	4-1/2
BI-113-N5	2-1/2	5
BI-113-N5-1/2	2-1/2	5-1/2
BI-113-N6	2-1/2	6
3 NPT		
BI-113-P3	3	3
BI-113-P3-1/2	3	3-1/2
BI-113-P4	3	4
BI-113-P4-1/2	3	4-1/2
BI-113-P5	3	5
BI-113-P5-1/2	3	5-1/2
BI-113-P6	3	6
4 NPT		
BI-113-S4	4	4
BI-113-S4-1/2	4	4-1/2
BI-113-S5	4	5
BI-113-S5-1/2	4	5-1/2
BI-113-S6	4	6


CAP

PART No.	Pipe
BI-108-A	1/8
BI-108-B	1/4
BI-108-C	3/8
BI-108-D	1/2
BI-108-E	3/4
BI-108-H	1
BI-108-J	1-1/4
BI-108-K	1-1/2
BI-108-M	2
BI-108-N	2-1/2
BI-108-P	3
BI-108-S	4


PLUG
(Square Head)

PART No.	Pipe
BI-109-A	1/8
BI-109-B	1/4
BI-109-C	3/8
BI-109-D	1/2
BI-109-E	3/4
BI-109-H	1
BI-109-J	1-1/4
BI-109-K	1-1/2
BI-109-M	2
BI-109-N	2-1/2
BI-109-P	3
BI-109-S	4


LOCK NUT

PART No.	Pipe
BI-111-B	1/4
BI-111-C	3/8
BI-111-D	1/2
BI-111-E	3/4
BI-111-H	1
BI-111-J	1-1/4
BI-111-K	1-1/2
BI-111-M	2


90° ELBOW

PART No.	Pipe
BI-100-A	1/8
BI-100-B	1/4
BI-100-C	3/8
BI-100-D	1/2
BI-100-E	3/4
BI-100-H	1
BI-100-J	1-1/4
BI-100-K	1-1/2
BI-100-M	2
BI-100-N	2-1/2
BI-100-P	3
BI-100-S	4


**REDUCING
90° ELBOW**

PART No.	Pipe
BI-100-CB	3/8 to 1/4
BI-100-DB	1/2 to 1/4
BI-100-DC	1/2 to 3/8
BI-100-EC	3/4 to 3/8
BI-100-ED	3/4 to 1/2
BI-100-HC	1 to 3/8
BI-100-HD	1 to 1/2
BI-100-HE	1 to 3/4
BI-100-JD	1-1/4 to 1/2
BI-100-JE	1-1/4 to 3/4
BI-100-JH	1-1/4 to 1
BI-100-KD	1-1/2 to 1/2
BI-100-KE	1-1/2 to 3/4
BI-100-KH	1-1/2 to 1
BI-100-KJ	1-1/2 to 1-1/4
BI-100-ME	2 to 3/4
BI-100-MH	2 to 1
BI-100-MJ	2 to 1-1/4
BI-100-MK	2 to 1-1/2
BI-100-NH	2-1/2 to 1
BI-100-NJ	2-1/2 to 1-1/4
BI-100-NK	2-1/2 to 1-1/2
BI-100-NM	2-1/2 to 2
BI-100-PM	3 to 2
BI-100-SM	4 to 2
BI-100-SN	4 to 2-1/2
BI-100-SP	4 to 3


45° ELBOW

PART No.	Pipe
BI-105-A	1/8
BI-105-B	1/4
BI-105-C	3/8
BI-105-D	1/2
BI-105-E	3/4
BI-105-H	1
BI-105-J	1-1/4
BI-105-K	1-1/2
BI-105-M	2
BI-105-N	2-1/2
BI-105-P	3
BI-105-S	4


**90° STREET
ELBOW**

PART No.	Pipe
BI-116-A	1/8
BI-116-B	1/4
BI-116-C	3/8
BI-116-D	1/2
BI-116-E	3/4
BI-116-H	1
BI-116-J	1-1/4
BI-116-K	1-1/2
BI-116-M	2
BI-116-N	2-1/2
BI-116-P	3
BI-116-S	4


**45° STREET
ELBOW**

PART No.	Pipe
BI-124-A	1/8
BI-124-B	1/4
BI-124-C	3/8
BI-124-D	1/2
BI-124-E	3/4
BI-124-H	1
BI-124-J	1-1/4
BI-124-K	1-1/2
BI-124-M	2


TEE

PART No.	Pipe
BI-101-A	1/8
BI-101-B	1/4
BI-101-C	3/8
BI-101-D	1/2
BI-101-E	3/4
BI-101-H	1
BI-101-J	1-1/4
BI-101-K	1-1/2
BI-101-M	2
BI-101-N	2-1/2
BI-101-P	3
BI-101-S	4

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**REDUCING
TEE**

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PART No.	Pipe Size		
	1	2	3
BI-101-ED	3/4	3/4	1/2
BI-101-EDD	3/4	1/2	1/2
BI-101-EDE	3/4	1/2	3/4
BI-101-HD	1	1	1/2
BI-101-HDD	1	1/2	1/2
BI-101-HE	1	1	3/4
BI-101-HEE	1	3/4	3/4
BI-101-HEH	1	3/4	1
BI-101-JE	1-1/4	1-1/4	3/4
BI-101-JH	1-1/4	1-1/4	1
BI-101-KJ	1-1/2	1-1/2	1-1/4
BI-101-MK	2	2	1-1/2
BI-101-NK	2-1/2	2-1/2	1-1/2
BI-101-NM	2-1/2	2-1/2	2
BI-101-PM	3	3	2
BI-101-PN	3	3	2-1/2
BI-101-SN	4	4	2-1/2
BI-101-SP	4	4	3

BLACK IRON PIPE FITTINGS

SCHEDULE 40 (150 LB.)



CROSS

PART No.	Pipe
BI-102-C	3/8
BI-102-D	1/2
BI-102-E	3/4
BI-102-H	1
BI-102-J	1-1/4
BI-102-K	1-1/2
BI-102-M	2
BI-102-N	2-1/2
BI-102-P	3
BI-102-S	4



STREET TEE

PART No.	Pipe
BI-107-D	1/2
BI-107-E	3/4
BI-107-H	1
BI-107-J	1-1/4
BI-107-K	1-1/2
BI-107-M	2

NOTE:

REPLACE PREFIX BI- WITH BI80- FOR SCHEDULE 80 (300LB.)
OR
REPLACE PREFIX BI- WITH GI- FOR GALVANIZED.

A

STEEL MERCHANT PIPE FITTINGS



BUSHING

PART No.	Pipe
BI-110MC-BA	1/4 to 1/8
BI-110MC-CA	3/8 to 1/8
BI-110MC-CB	3/8 to 1/4
BI-110MC-DA	1/2 to 1/8
BI-110MC-DB	1/2 to 1/4
BI-110MC-DC	1/2 to 3/8
BI-110MC-EA	3/4 to 1/8
BI-110MC-EB	3/4 to 1/4
BI-110MC-EC	3/4 to 3/8
BI-110MC-ED	3/4 to 1/2



COUPLING (Half Height)

PART No.	Pipe
BI-103HMC-A	1/8
BI-103HMC-B	1/4
BI-103HMC-C	3/8
BI-103HMC-D	1/2
BI-103HMC-E	3/4
BI-103HMC-H	1
BI-103HMC-J	1-1/4
BI-103HMC-K	1-1/2
BI-103HMC-M	2
BI-103HMC-N	2-1/2
BI-103HMC-P	3
BI-103HMC-S	4



PLUG (Square Head)

PART No.	Pipe
BI-109MC-A	1/8
BI-109MC-B	1/4
BI-109MC-C	3/8
BI-109MC-D	1/2
BI-109MC-E	3/4
BI-109MC-H	1



COUPLING

PART No.	Pipe
BI-103MC-A	1/8
BI-103MC-B	1/4
BI-103MC-C	3/8
BI-103MC-D	1/2
BI-103MC-E	3/4
BI-103MC-H	1
BI-103MC-J	1-1/4
BI-103MC-K	1-1/2
BI-103MC-M	2
BI-103MC-N	2-1/2
BI-103MC-P	3
BI-103MC-S	4



COUPLING

PART No.	Pipe
BI-103MC-A-ULC	1/8
BI-103MC-B-ULC	1/4
BI-103MC-C-ULC	3/8
BI-103MC-D-ULC	1/2
BI-103MC-E-ULC	3/4
BI-103MC-H-ULC	1
BI-103MC-J-ULC	1-1/4
BI-103MC-K-ULC	1-1/2
BI-103MC-M-ULC	2



NOTE:

MERCHANT STEEL PIPE FITTINGS ARE WELDABLE



NYLON PIPE FITTINGS



HEX NIPPLE

PART No.	Pipe
522-A	1/8
522-B	1/4
522-C	3/8
522-D	1/2
522-E	3/4



BUSHING

PART No.	Pipe
510-BA	1/4 to 1/8
510-CA	3/8 to 1/4
510-CB	3/8 to 1/4
510-DA	1/2 to 1/8
510-DB	1/2 to 1/4
510-DC	1/2 to 3/8
510-EA	3/4 to 1/8
510-EB	3/4 to 1/4
510-EC	3/4 to 3/8
510-ED	3/4 to 1/2



PLUG Hex Head

PART No.	Pipe
521-B	1/4
521-C	3/8
521-D	1/2
521-E	3/4



REDUCING HEX NIPPLE

PART No.	Pipe
522-BA	1/4 to 1/8
522-CB	3/8 to 1/4
522-DC	1/2 to 3/8



PLUG Square Head

PART No.	Pipe
509-B	1/4

MADE WITH NSF APPROVED RESINS.

A



SLEEVE

PART No.	Tube
1160-4	1/4
1160-6	3/8
1160-8	1/2
1160-10	5/8
1160-12	3/4



NUT

PART No.	Tube
1161-4	1/4
1161-6	3/8
1161-8	1/2
1161-10	5/8
1161-12	3/4



UNION COUPLING

PART No.	Tube
1162-4	1/4
1162-6	3/8
1162-8	1/2
1162-10	5/8
1162-12	3/4



CONNECTOR Tube To Female Pipe

PART No.	Tube	Pipe
1166-4A	1/4	1/8
1166-4B	1/4	1/4
1166-6A	3/8	1/8
1166-6B	3/8	1/4
1166-6C	3/8	3/8
1166-8C	1/2	3/8
1166-8D	1/2	1/2
1166-8E	1/2	3/4
1166-10C	5/8	3/8
1166-10D	5/8	1/2
1166-10E	5/8	3/4
1166-12E	3/4	3/4



CONNECTOR Tube To Male Pipe

PART No.	Tube	Pipe
1168-4A	1/4	1/8
1168-4B	1/4	1/4
1168-4C	1/4	3/8
1168-6A	3/8	1/8
1168-6B	3/8	1/4
1168-6C	3/8	3/8
1168-6D	3/8	1/2
1168-8B	1/2	1/4
1168-8C	1/2	3/8
1168-8D	1/2	1/2
1168-8E	1/2	3/4
1168-10C	5/8	3/8
1168-10D	5/8	1/2
1168-10E	5/8	3/4
1168-12D	3/4	1/2
1168-12E	3/4	3/4



45° ELBOW Tube To Male Pipe

PART No.	Tube	Pipe
1174-4A	1/4	1/8
1174-4B	1/4	1/4
1174-6B	3/8	1/4
1174-6C	3/8	3/8
1174-8C	1/2	3/8
1174-8D	1/2	1/2
1174-10D	5/8	1/2



90° ELBOW Tube To Tube

PART No.	Tube
1165-4	1/4
1165-6	3/8
1165-8	1/2
1165-10	5/8
1165-12	3/4



90° ELBOW Tube To Male Pipe

PART No.	Tube	Pipe
1169-4A	1/4	1/8
1169-4B	1/4	1/4
1169-4C	1/4	3/8
1169-6A	3/8	1/8
1169-6B	3/8	1/4
1169-6C	3/8	3/8
1169-6D	3/8	1/2
1169-8B	1/2	1/4
1169-8C	1/2	3/8
1169-8D	1/2	1/2
1169-8E	1/2	3/4
1169-10C	5/8	3/8
1169-10D	5/8	1/2
1169-10E	5/8	3/4
1169-12D	3/4	1/2
1169-12E	3/4	3/4



90° ELBOW Tube To Female Pipe

PART No.	Tube	Pipe
1170-4A	1/4	1/8
1170-4B	1/4	1/4
1170-6B	3/8	1/4
1170-6C	3/8	3/8
1170-8C	1/2	3/8
1170-8D	1/2	1/2
1170-10D	5/8	1/2

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TEE Tube Three Ends

PART No.	Tube
1164-4	1/4
1164-6	3/8
1164-8	1/2
1164-10	5/8
1164-12	3/4

1164R-64	Reducing		
	1	2	3
	3/8	3/8	1/4



TEE Ends Tube To Male Pipe Centre Tube

PART No.	Tube	Pipe
1171-4A	1/4	1/8
1171-4B	1/4	1/4
1171-6B	3/8	1/4
1171-6C	3/8	3/8
1171-8C	1/2	3/8
1171-8D	1/2	1/2
1171-10D	5/8	1/2



TEE Ends Tube Centre Male Pipe

PART No.	Tube	Pipe
1172-4A	1/4	1/8
1172-4B	1/4	1/4
1172-6A	3/8	1/8
1172-6B	3/8	1/4
1172-6C	3/8	3/8
1172-8C	1/2	3/8
1172-8D	1/2	1/2
1172-10D	5/8	1/2
1172-12D	3/4	1/2
1172-12E	3/4	3/4



TEE Ends Tube To Female Pipe Centre Male Pipe

PART No.	Tube	Pipe
1179-4A	1/4	1/8
1179-4B	1/4	1/4

BRASS D.O.T. AIR BRAKE FITTINGS

(FOR D.O.T. AIR BRAKE TUBE: SEE PAGE 166)



COMPLETE WITH FIXED INSERTS



BRASS INSERT

PART No.	For Tube I.D.
1481-2	.078
1481-4	.170
1481-5	.232
1481-6	.250
1481-8	.375
1481-10	.440
1481-12	.566



SLEEVE

PART No.	Tube
1460-4	1/4
1460-6	3/8
1460-8	1/2
1460-10	5/8
1460-12	3/4



NUT

PART No.	Tube
1461-4	1/4
1461-6	3/8
1461-8	1/2
1461-10	5/8
1461-12	3/4



UNION COUPLING

PART No.	Tube
1462-4	1/4
1462-6	3/8
1462-8	1/2
1462-10	5/8
1462-12	3/4



CONNECTOR Tube To Female Pipe

PART No.	Tube	Pipe
1466-4A	1/4	1/8
1466-4B	1/4	1/4
1466-4C	1/4	3/8
1466-6A	3/8	1/8
1466-6B	3/8	1/4
1466-6C	3/8	3/8
1466-8C	1/2	3/8
1466-8D	1/2	1/2
1466-10C	5/8	3/8
1466-10D	5/8	1/2
1466-12D	3/4	1/2
1466-12E	3/4	3/4



UNION COUPLING Nylon Tube To Copper Tube

PART No.	Tube
1467-44	1/4
1467-66	3/8
1467-88	1/2
1467-1010	5/8
1467-1212	3/4



CONNECTOR Tube To Male Pipe

PART No.	Tube	Pipe
1468-4A	1/4	1/8
1468-4B	1/4	1/4
1468-4C	1/4	3/8
1468-4D	1/4	1/2
1468-6A	3/8	1/8
1468-6B	3/8	1/4
1468-6C	3/8	3/8
1468-6D	3/8	1/2
1468-8B	1/2	1/4
1468-8C	1/2	3/8
1468-8D	1/2	1/2
1468-8E	1/2	3/4
1468-10C	5/8	3/8
1468-10D	5/8	1/2
1468-10E	5/8	3/4
1468-12D	3/4	1/2
1468-12E	3/4	3/4



45° ELBOW Tube To Male Pipe

PART No.	Tube	Pipe
1474-4A	1/4	1/8
1474-4B	1/4	1/4
1474-6B	3/8	1/4
1474-6C	3/8	3/8
1474-6D	3/8	1/2
1474-8B	1/2	1/4
1474-8C	1/2	3/8
1474-8D	1/2	1/2
1474-10D	5/8	1/2



90° ELBOW Tube To Tube

PART No.	Tube
1465-4	1/4
1465-6	3/8
1465-8	1/2
1465-10	5/8
1465-12	3/4



90° ELBOW Tube To Male Pipe

PART No.	Tube	Pipe
1469-4A	1/4	1/8
1469-4B	1/4	1/4
1469-4C	1/4	3/8
1469-4D	1/4	1/2
1469-6A	3/8	1/8
1469-6B	3/8	1/4
1469-6C	3/8	3/8
1469-6D	3/8	1/2
1469-8B	1/2	1/4
1469-8C	1/2	3/8
1469-8D	1/2	1/2
1469-10C	5/8	3/8
1469-10D	5/8	1/2
1469-10E	5/8	3/4
1469-12D	3/4	1/2
1469-12E	3/4	3/4



90° ELBOW Tube To Female Pipe

PART No.	Tube	Pipe
1470-4A	1/4	1/8
1470-4B	1/4	1/4
1470-6A	3/8	1/8
1470-6B	3/8	1/4
1470-6C	3/8	3/8
1470-8C	1/2	3/8
1470-8D	1/2	1/2
1470-10D	5/8	1/2
1470-12D	3/4	1/2



TEE Tube Three Ends

PART No.	Tube
1464-4	1/4
1464-6	3/8
1464-8	1/2
1464-10	5/8
1464-12	3/4

PART No.	Reducing		
	1	2	3
1464R-64	3/8	3/8	1/4



TEE Ends Tube To Male Pipe Centre Tube

PART No.	Tube	Pipe
1471-4A	1/4	1/8
1471-4B	1/4	1/4
1471-6B	3/8	1/4
1471-6C	3/8	3/8
1471-8C	1/2	3/8
1471-8D	1/2	1/2
1471-10D	5/8	1/2
1471-12D	3/4	1/2



TEE Ends Tube Centre Male Pipe

PART No.	Tube	Pipe
1472-4A	1/4	1/8
1472-4B	1/4	1/4
1472-6A	3/8	1/8
1472-6B	3/8	1/4
1472-6C	3/8	3/8
1472-8B	1/2	1/4
1472-8C	1/2	3/8
1472-8D	1/2	1/2
1472-10D	5/8	1/2
1472-12D	3/4	1/2
1472-12E	3/4	3/4



TEE Female To Male Pipe Centre Tube

PART No.	Tube	Pipe
1476-4A	1/4	1/8
1476-6B	1/4	1/8



BULKHEAD UNION

PART No.	Tube
1477-4	1/4
1477-6	3/8
1477-8	1/2
1477-10	5/8



TEE Tube To Female Pipe Centre Male Pipe

PART No.	Tube	Pipe
1479-4A	1/4	1/8
1479-4B	1/4	1/4

D.O.T. RECOGNIZED FOR ALL AIR BRAKE APPLICATIONS EXCEPT THOSE FOR USE BETWEEN FRAME AND AXLE OR BETWEEN TOWED AND TOWING VEHICLES.

A



**TUBE
INSERT**

PART No.	Tube
PC1400-5/32	5/32
PC1400-3	3/16
PC1400-4	1/4
PC1400-6	3/8
PC1400-8	1/2



**UNION
COUPLING**

PART No.	Tube
PC1462-5/32	5/32
PC1462-4	1/4
PC1462-6	3/8
PC1462-8	1/2
PC1462-10	5/8
PC1462-12	3/4



**CONNECTOR
Tube
To
Female Pipe**

PART No.	Tube	Pipe
PC1466-4A	1/4	1/8
PC1466-4B	1/4	1/4
PC1466-6B	3/8	1/4
PC1466-6C	3/8	3/8
PC1466-8C	1/2	3/8
PC1466-8D	1/2	1/2



**CONNECTOR
Tube
To
Male Pipe**

PART No.	Tube	Pipe
PC1468-5/32X1	5/32	1/16
PC1468-5/32A	5/32	1/8
PC1468-4A	1/4	1/8
PC1468-4B	1/4	1/4
PC1468-4C	1/4	3/8
PC1468-6A	3/8	1/8
PC1468-6B	3/8	1/4
PC1468-6C	3/8	3/8
PC1468-6D	3/8	1/2
PC1468-8B	1/2	1/4
PC1468-8C	1/2	3/8
PC1468-8D	1/2	1/2
PC1468-10C	5/8	3/8
PC1468-10D	5/8	1/2
PC1468-12D	3/4	1/2
PC1468-12E	3/4	3/4



**BULKHEAD
UNION**

PART No.	Tube
PC1477-4	1/4
PC1477-6	3/8
PC1477-8	1/2
PC1477-10	5/8



**BULKHEAD
UNION
Tube To
Compression**

PART No.	Tube
PC1477C-4	1/4
PC1477C-6	3/8



**BULKHEAD
UNION
Tube To
Female Pipe**

PART No.	Tube	Pipe
PC1486-6C	3/8	3/8
PC1486-8C	1/2	3/8



**BULKHEAD
UNION
Tube To
Male Pipe**

PART No.	Tube	Pipe
PC1483-6D	3/8	1/2
PC1483L-6D	3/8 LONG	1/2
PC1483-8D	1/2	1/2
PC1483L-8D	1/2 LONG	1/2



**90° ELBOW
Tube To
Tube**

PART No.	Tube
PC1465-4	1/4
PC1465-6	3/8
PC1465-8	1/2



**90° ELBOW
Tube To
Female Pipe**

PART No.	Tube	Pipe
PC1470-4A	1/4	1/8
PC1470-4B	1/4	1/4
PC1470-4C	1/4	3/8
PC1470-6B	3/8	1/4
PC1470-6C	3/8	3/8
PC1470-8D	1/2	1/2



**90° ELBOW
Tube
To
Male Pipe**

PART No.	Tube	Pipe
PC1469-5/32A	5/32	1/8
PC1469-4A	1/4	1/8
PC1469-4B	1/4	1/4
PC1469-4C	1/4	3/8
PC1469-6A	3/8	1/8
PC1469-6B	3/8	1/4
PC1469-6C	3/8	3/8
PC1469-6D	3/8	1/2
PC1469-8B	1/2	1/4
PC1469-8C	1/2	3/8
PC1469-8D	1/2	1/2
PC1469-10C	5/8	3/8
PC1469-10D	5/8	1/2
PC1469-12D	3/4	1/2
PC1469-12E	3/4	3/4



**90° ELBOW
Tube
To
Male Pipe Swivel**

PART No.	Tube	Pipe
PC1469SW-4A	1/4	1/8
PC1469SW-4B	1/4	1/4
PC1469SW-4C	1/4	3/8
PC1469SW-6A	3/8	1/8
PC1469SW-6B	3/8	1/4
PC1469SW-6C	3/8	3/8
PC1469SW-6D	3/8	1/2
PC1469SW-8B	1/2	1/4
PC1469SW-8C	1/2	3/8
PC1469SW-8D	1/2	1/2
PC1469SW-10C	5/8	3/8
PC1469SW-10D	5/8	1/2
PC1469SW-12D	3/4	1/2
PC1469SW-12E	3/4	3/4



**45° ELBOW
Tube
To
Male Pipe**

PART No.	Tube	Pipe
PC1474-4A	1/4	1/8
PC1474-4B	1/4	1/4
PC1474-6A	3/8	1/8
PC1474-6B	3/8	1/4
PC1474-6C	3/8	3/8
PC1474-8B	1/2	1/4
PC1474-8C	1/2	3/8
PC1474-8D	1/2	1/2
PC1474-10D	5/8	1/2
PC1474-12D	3/4	1/2
PC1474-12E	3/4	3/4