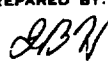


TECHNICAL SPECIFICATIONS

 CertainTeed Corporation Pipe and Plastics Group	SPECIFICATIONS CLASSIFICATION:												
	A/C Standard Product Specification												
	T.C.O. REF. NO.	SPECIFICATION NO.	PAGE NO.:										
	26	1	1										
SUPERSEDES:				DATE OF ISSUE:									
May 26, 1978				JAN 26 1979									
DESCRIPTION: FLUID-TITE A/C Pressure Pipe, Couplings and Accessories Classes 100, 150 and 200 - FT-B													
<u>GENERAL</u> FLUID-TITE Asbestos Cement Pressure Pipe is manufactured in three classes and is intended for use in underground transmission or distribution systems for the transportation of water under pressure. <u>STANDARD PRODUCT LINE</u> <table style="margin: auto;"> <thead> <tr> <th style="text-align: center;"><u>AVAILABLE CLASSES</u></th> <th style="text-align: center;"><u>AVAILABLE PIPE SIZES</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">100</td> <td style="text-align: center;">4"</td> </tr> <tr> <td style="text-align: center;">150</td> <td style="text-align: center;">3", 4"</td> </tr> <tr> <td style="text-align: center;">200</td> <td style="text-align: center;">3", 4"</td> </tr> </tbody> </table> The class designations shall mean that the pipe is intended for water service at maximum operating pressures of 100, 150 and 200 pounds per square inch gauge under the conditions of installation and operation encountered in a variety of field situations. Pipe linings are available for specialized end uses. Refer to Standard Product Specifications No.'s 8 and 10A for detailed descriptions. <u>GENERAL PRODUCT DESCRIPTIONS</u> Unless otherwise listed herein, refer to "General Product Specification Data", Section D of the General Standards Manual, for information concerning the following: 1. Composition 2. Trademarks 3. Test Methods 4. General Requirements a. Pipe Lengths b. Lubricants c. CERTA-SPACER band application d. Marking e. Installation Instructions f. Finish g. Straightness h. Leakage Allowance <u>CONFORMANCE</u> Four inch pipe size, in all three classes, meet the requirements of the following external specifications: ASTM C 296, Types I, II, and III AWWA C 400 Federal Specification SS-P-351 Soil Conservation Service 432, Classes 100, 150, and 200 Three inch pressure pipe in both classes meet corresponding classes in the Soil Conservation Specification.						<u>AVAILABLE CLASSES</u>	<u>AVAILABLE PIPE SIZES</u>	100	4"	150	3", 4"	200	3", 4"
<u>AVAILABLE CLASSES</u>	<u>AVAILABLE PIPE SIZES</u>												
100	4"												
150	3", 4"												
200	3", 4"												
CTD012160													
PREPARED BY:		APPROVED BY:		R & D	MFG.								
 													
OTHERS													

UNDERWRITERS' LABORATORY LABELS

Page 2

CertainTeed is also authorized to apply Underwriters' Laboratories labels on pipe in accordance with the following table. The authorization is covered by Label Service Inspection Procedure EX-1387.

Plant 56 - 4"	Classes 150 and 200
Plant 57 - 4"	Classes 150 and 200
Plant 58 - 4"	Classes 150 and 200
Plant 59 - 4"	Class 150
4"	Class 200

TABLE OF HYDRO TEST REQUIREMENTS

<u>Product</u>	<u>Test Details</u>
Standard Pipe Lengths	Each length to 3.5 x W.P. In addition, from each 300 lengths of pipe of each size and class which have passed the routine hydrostatic proof test, one length shall be selected and hydrostatically tested to a pressure of 4.0 x W.P. for the class of pipe, maintaining such pressure for not less than 5 seconds. The pipe shall not fail under this pressure. Pipe meeting this test shall be retested at 3.5 x W.P.
Random Pipe Lengths	Each length to 3.5 x W.P.
Short Lengths (1/8, 1/4 & 1/2 H&O)	Each length to 3.5 x W.P.
Short Lengths (1/8, 1/4 & 1/2 FM)	Each length to 3.5 x W.P.
Special Closure Section	Each length to 3.5 x W.P.
Standard Coupling	Each coupling to 3.5 x W.P.
Threaded Coupling (TBIC)	Each completed unit to 3.0 x W.P.
Coupling Adaptor FT to Steel	Stock to 3.5 x W.P.
Coupling Adaptor FT to FT	Stock to 3.5 x W.P. of lower class
Pipe Adaptors	Stock to 3.5 x W.P.

Note: W.P. = Working Pressure

FLEXURAL PROOF LOADS

<u>TOTAL APPLIED LOAD, LBS., 12 FT SPAN</u>			
<u>Nominal Pipe Size, In.</u>	<u>Class 100</u>	<u>Class 150</u>	<u>Class 200</u>
3	---	625	685
4	900	1100	1400

<u>MINIMUM CRUSHING STRENGTH, LBS/FT</u>			
<u>Nominal Pipe Size, In.</u>	<u>Class 100</u>	<u>Class 150</u>	<u>Class 200</u>
3	---	6700	8800
4	4100	5400	8700

A one foot sample shall be taken from a pipe in each class and size representing 300 lengths or portion thereof for this test.

Fully Machined Pipe, Threaded Couplings, and Pipe Adaptors shall be capable of withstanding 75 per cent of the minimum crushing strength specified for the corresponding size and class of pipe. All other items, particularly couplings, shall be capable of withstanding the same minimum crush loads as specified for the corresponding size and class of pipe. For those items acting as connecting pieces between sizes and/or classes, the lowest minimum crush load shall apply.

CHEMICAL REQUIREMENTS

Uncombined Calcium Hydroxide - 1.0 percent maximum.

NON-STANDARD PIPE LENGTHS

A maximum of 10 percent of the total footage of any one size and class for any one order may be furnished as random lengths at factory option.

CTD012161

TECHNICAL SPECIFICATIONS

CertainTeed

CertainTeed Corporation
Pipe and Plastics Group

SPECIFICATIONS CLASSIFICATION:

A/C Standard Product Specification

T.C.O. REF. NO.

26

SPECIFICATION NO:

1

PAGE NO.:

3

SUPERSEDES:

May 26, 1978

DATE OF ISSUE:

JAN 26 1979

DESCRIPTION:

FLUID-TITE A/C Pressure Pipe, Couplings and Accessories
Classes 100, 150 and 200 - FT-B

STANDARD COUPLING

One coupling suitable for the particular size and class of pipe with which it is to be used shall be attached to each standard and random pipe length and shipped as a preballed unit. Other couplings for use with includes shall be shipped loose.

RUBBER RING

Two rubber rings shall be furnished with each coupling. All rubber rings shall conform to A/C Standard Purchasing Specification No. 503-B and to ASTM D1869. Rubber rings may be composed of natural rubber, synthetic elastomer, or when specifically requested, an oil resistant rubber compound.

CERTA-SPACER BAND

Two factory applied CERTA-SPACER bands, one on each pipe end shall be furnished with each standard, random, and all short lengths except fully machined. The bands shall meet the requirements of A/C Standard Purchasing Specification No. 528.

LUBRICANT

Field lubricant shall be furnished in 1½ quart cans in accordance with the following table. On special customer order, 5 gallon pails may be substituted.

Pipe Size Inches	Rubber Ring Joints Per 1½ Qt. Container All Classes	Rubber Ring Joints Per 5 Gallon Pail All Classes
3	140	1920
4	100	1380

EXTERNAL B.O.D. REQUIREMENTS

B.O.D. dimensions were developed for companies manufacturing accessory items for A/C pipe. These dimensions have been published and issued to the field. No pipe may be shipped for a given class if the average BOD anywhere along its length is beyond the range given in the Table below, unless customer approval is obtained thru Sales/Customer Service. This requirement also applies to declassified and re-classed pipe.

Pipe Size, Inches	Class 100		Class 150		Class 200	
	Min.	Max.	Min.	Max.	Min.	Max.
4	4.79	5.26	4.97	5.32	5.22	5.57

Note: 3" to be determined.

CTD012162

PREPARED BY:

LDN *OFF*

APPROVED BY:

MS

R & D

MFG.

SALES

I.E.

OTHERS

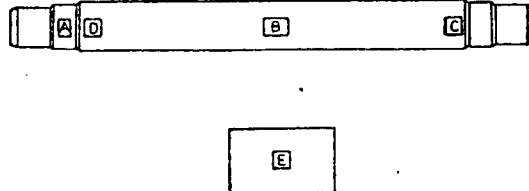
[Signature] *[Signature]*

[Signature]

PACKAGING

Packaging shall be in accordance with A/C Standard Packaging Specification No. 1.

MARKING



GENERAL

Unless otherwise directed, marking of all A/C items in this product line shall be accomplished with the following color code:

Class 100 - Black
Class 150 - Orange
Class 200 - Black

PIPE-STANDARD, RANDOM, SHORT LENGTH (MEO)

Area A When specifically requested by the customer, one Underwriters' label shall be applied on the machined portion of the standard length only, as shown. Refer to the availability table under the conformance paragraph for pipe sizes and classes to be labeled. When applied, the label shall be located adjacent to the second pipe shoulder and may be affixed to either end of the pipe.

Area B At the exact center of the pipe, the following shall be stamped:

CERTAINTEED
Size - CLASS - Pressure - TYPE II
FLUID-TITE

The words CertainTeed are shown in open block letters. Refer to Industrial Engineering Technical Specification for marking, pipe stamp style 2.

Example:

CERTAINTEED
4" CLASS 150 TYPE II
FLUID-TITE

Area C Either to the right or left of Area B, the following information shall be stenciled in black on all standard lengths. (This information may appear on Randoms and MEO's).

(First Line) Month, Day, Year, Plant, Shift
(Second Line) Pipe No.

Example: 05016858c
109

Interpretation - pipe number 109 manufactured on May 1, 1968 at Plant 58 on C shift.

If the manufacturing information does not appear on Randoms or MEO pipe, the date and plant identification shall be stenciled in black ink on the pipe similar to the example shown under area D.

TECHNICAL SPECIFICATIONS

CertainTeed CertainTeed Corporation Pipe and Plastics Group	SPECIFICATIONS CLASSIFICATION:			
	A/C Standard Product Specification			
	T.C.O. REF. NO.	SPECIFICATION NO:	PAGE NO.:	
	26	1	5	
SUPERSEDES:			DATE OF ISSUE:	
May 26, 1978			JAN 26 1979	

DESCRIPTION: Fluid-Tite A/C Pressure Pipe, Couplings and Accessories
Classes 100, 150 and 200

Area D At the end of the pipe, opposite Area C, stencil in black, the words "Tested at _____" (insert proof pressure).

Example: For Class 150 pipe the stenciling shall appear as "Tested at 525 psi".

STANDARD COUPLING

* Area E At the approximate center, lengthwise on the coupling, the following shall be stamped:

CERTAINTIED

Size - CLASS - Pressure - T

FLUID-TITE

("T" indicates coupling has been hydrostatically Tested)

The words "CertainTeed" are shown in open block letters. Refer to Industrial Engineering Technical Specifications for marking, coupling stamp style 1.

Example:

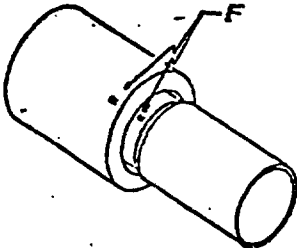
CERTAINTIED

4" CLASS 150 - T

FLUID-TITE

Pre-Belled

Area F The plant number shall be stamped in black ink on the coupling B.O.D. and stamped on the pipe O.D. shoulder next to where the coupling is stamped. (Minimum length is 1 inch).

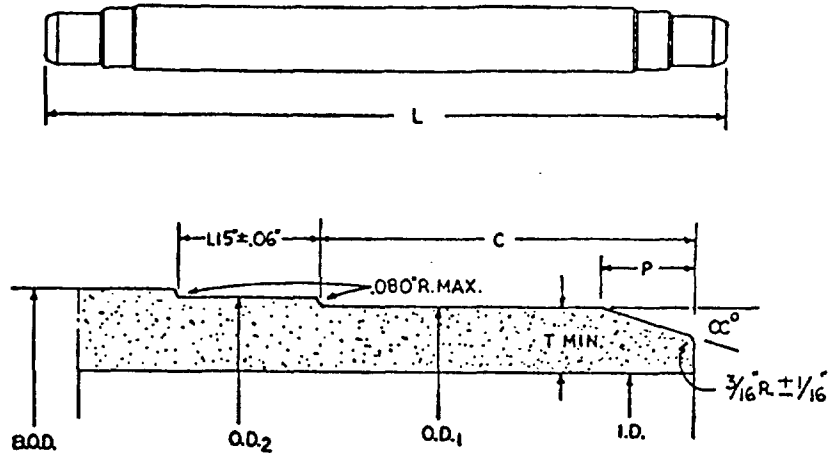


* Note: Plants 56 and 60 (Santa Clara and Riverside) are to show the "International Association of Plumbing and Mechanical Officials" logo on pipe and couplings, sizes 3" and 4", Classes 150 and 200. Refer to Industrial Engineering Pipe and Coupling stamps:

Logo - 

CTD012164

PREPARED BY:	APPROVED BY:	R & D	MFG	SALES	I.E.	OTHERS
JGF	LBN	mks	[Signature]	[Signature]	[Signature]	K

STANDARD PIPE

<u>Pipe Size</u>	<u>OC° ± 2°</u>	<u>P" ± .06"</u>	<u>Length of Pipe</u>	<u>L'</u>	<u>Length Tol."</u>
			Standard	13'	+0" -1"
3"	16	.50	Random	7'0" to 12'6" (6" increments)	+0" -1"
4"	16	.75	1/2 Standard (NEO)	6'6"	+0" -1"
			1/4 Standard (NEO)	5'3"	+0" -1"
			1/8 Standard (NEO)	19.5"	+0" -1"

<u>Pipe Size</u> <u>Inches</u>	<u>Nom.</u> <u>I.D."</u>	<u>O.D.'₁</u> <u>±.02"</u>	<u>O.D.'₂</u> <u>±.02"</u>	<u>C"</u> <u>±.06"</u>	<u>E.O.D." *</u> <u>+.08"</u> <u>-.00"</u>	<u>Min. "T"</u> <u>Inches</u>
<u>Class 100</u>						
4	4.00	4.64	4.80	2.90	5.05	.240
<u>Class 150</u>						
3	3.00	3.84	4.00	2.60	4.03	.340
4	4.00	4.81	4.97	2.90	5.14	.325
<u>Class 200</u>						
3	3.00	3.84	4.00	2.60	4.18	.340
4	4.00	4.81	4.97	2.90	5.32	.350

*See External BOD Requirements on page 3.

CTD012165

TECHNICAL SPECIFICATIONS

CertainTeed

CertainTeed Corporation
Pipe and Plastics Group

SPECIFICATIONS CLASSIFICATION:

A/C Standard Product Specification

T.C.O. REF. NO.

26

SPECIFICATION NO:

1

PAGE NO.:

7

SUPERSEDES:

May 26, 1978

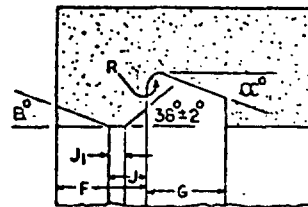
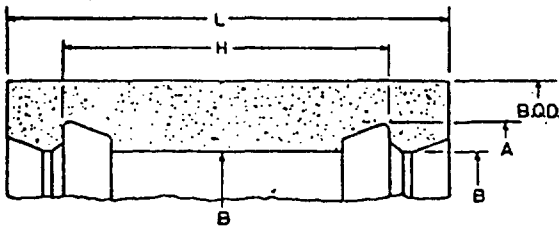
DATE OF ISSUE:

JAN 26 1979

DESCRIPTION:

Fluid-Tite A/C Pressure Pipe, Couplings and Accessories
Classes 100, 150 and 200

Coupling



Dimensions

Coupling Size	F" Min.	+.04" G" - .00"	+.01" J" - .02"	+.00" J" - .01"	R" + -.01"	E" +2° -0
3"	.612	.62	.375	.187	.125	30
4"	.612	.70	.375	.187	.125	30

Coupling Size, Inches	A" +.025"	B" +.025"	BOD" +.08" - .00"	L" +.25" -.00"	OC° +0° -1	R" +.000" -.063"
-----------------------------	--------------	--------------	----------------------	----------------------	------------------	------------------------

Class 100

4	5.57	4.76	6.25	6.50	18	4.88
---	------	------	------	------	----	------

Class 150

3	4.69	3.95	5.55	6.25	18	4.50
4	5.74	4.93	6.66	6.50	18	4.88

Class 200

3	4.69	3.95	5.75	6.25	18	4.50
4	5.74	4.93	6.88	6.50	18	4.88

CTD012166

PREPARED BY:

JH

APPROVED BY:

MAS

R & D

MFG.

SALES

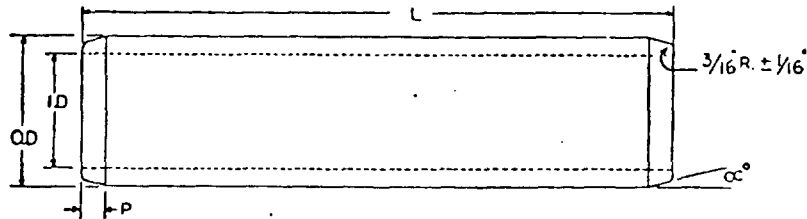
I.E.

OTHERS

[Signature]

[Signature]

[Signature]

FULLY MACHINED PIPE (FM)Dimensions

Pipe Size Inches	Nom. I.D."	O.D." *	P" ±.06"	QC° ±2°
<u>Class 100</u>				
4	3.80	4.64	.75	20
<u>Class 150</u>				
3	2.79	3.84	.50	20
4	3.80	4.81	.75	20
<u>Class 200</u>				
3	2.79	3.84	.50	20
4	3.49	4.81	.75	20

L = Length: Half Length 6'6" +0" -1"
 Quarter Length 3'3" +0" -1"
 Eighth Length 19.5" ± 0.5"

Marking Example:

FM Tested at _____ psi. (insert proof pressure)
 050 168 580 (manufacturing information)

CERTAIN-TEED
 4" CLASS 150
 FLUID-TITE

Tolerance: Center O.D. 3" and 4" ±.025"

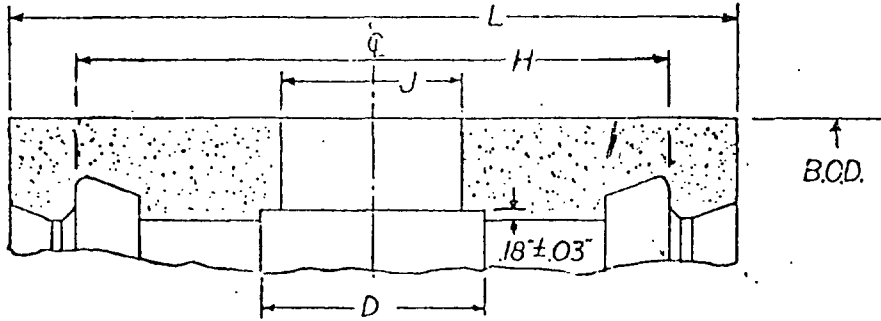
End O.D. 3" and 4" ±.02"
 (6" length
 both ends)

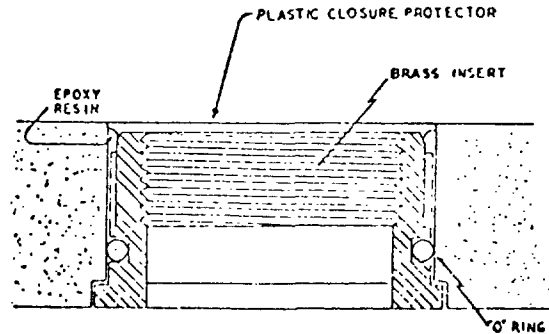
allow for gang tool machining of FM's at Plant 57.

Note: 1. Plant 57 there cannot be a step greater
 than .025" (0.0125" on a side).

QC0125"

TECHNICAL SPECIFICATIONS

 CertainTeed Corporation Pipe and Plastics Group	SPECIFICATIONS CLASSIFICATION: A/C Standard Product Specification																	
	T.C.O. REF. NO. 26	SPECIFICATION NO. 1	PAGE NO.: 9															
	SUPERSEDES: May 26, 1978		DATE OF ISSUE: JAN 26 1979															
DESCRIPTION: Fluid-Tite A/C Pressure Pipe, Couplings and Accessories Classes 100, 150 and 200																		
THREADED BRASS INSERT COUPLINGS (TBIC) TAPPED COUPLINGS WITH 2 1/2" x 2" HEXAGONAL BUSHING																		
USE: To provide a means for making service connections in asbestos-cement pressure pipe systems where either iron pipe or AWWA threads are employed.																		
PHYSICAL REQUIREMENTS: All inserts shall be cemented in place with an epoxy adhesive. The workmanship shall be such that there is no evidence of voids or holes and there shall be no sharp protrusions of the cement on any of its surfaces. Couplings and pipe shall be hydrostatically tested prior to drilling and cementing the insert into position and shall meet the requirements of the standard couplings and pipe. It is also intended that couplings and pipe shall also be able to withstand specified hydrostatic pressures after the inserts have been secured.																		
RUBBER RINGS: Each coupling shall be supplied with two (2) rubber rings of the appropriate size and class. Oil resistant rings may be supplied when specified by the purchaser.																		
PLASTIC CLOSURES: Prior to storage and/or shipment, each insert shall be covered with a plastic closure to prevent damage to the brass threads. Plastic closures are defined in Standard Purchasing Specification No. 525.																		
																		
CTD012168																		
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%; padding: 2px;"> PREPARED BY:  </td> <td style="width: 25%; padding: 2px;"> APPROVED BY:  </td> <td style="width: 10%; padding: 2px;"> R & D </td> <td style="width: 10%; padding: 2px;"> MFG. </td> <td style="width: 10%; padding: 2px;"> SALES </td> <td style="width: 10%; padding: 2px;"> I.E. </td> <td style="width: 10%; padding: 2px;"> OTHERS </td> </tr> <tr> <td style="padding: 2px;">  </td> <td style="padding: 2px;">  </td> <td style="padding: 2px;">  </td> <td style="padding: 2px;">  </td> <td style="padding: 2px;">  </td> <td style="padding: 2px;">  </td> <td style="padding: 2px;">  </td> </tr> </table>					PREPARED BY: 	APPROVED BY: 	R & D	MFG.	SALES	I.E.	OTHERS							
PREPARED BY: 	APPROVED BY: 	R & D	MFG.	SALES	I.E.	OTHERS												
																		

DimensionsTHREADED BRASS INSERT COUPLINGS (TBIC)
(Single and Double Outlet)

Coupling Size, In.	H"	L"	B.O.D.	Brass Insert					
				Selection Table (Length)					
				NPT				AWWA	
				3/4"	1"	1½"	1½"	3/4"	1"
<u>Class 100</u>									
4	6.25	8.00	6.51	A	A	A	A	A	A
<u>Class 150</u>									
3	6.25	8.00	6.10	A	A	A	A	A	A
4	6.25	8.00	6.95	A	A	A	A	A	A
<u>Class 200</u>									
3	6.25	8.00	6.28	B	A	A	A	B	A
4	6.25	8.00	7.54	B	B	B	B	B	B

Note: TBIC's are available in any combination of listed inserts and coupling sizes.

Insert Size		J" + .010"	D" + .03"
3/4"	NPT	1.335	2.56
1"	NPT	1.569	2.56
1 1/2"	NPT	1.991	2.56
1 3/4"	NPT	2.241	2.56
3/4"	AWWA	1.633	2.56
1"	AWWA	1.883	2.56

CTD012169

TECHNICAL SPECIFICATIONS

CertainTeed CertainTeed Corporation Pipe and Plastics Group	SPECIFICATIONS CLASSIFICATION							
	A/C Standard Product Specification							
	T.C.O. REF. NO.	SPECIFICATION NO.	PAGE NO.					
	27	1	11					
SUPERSEDES:			DATE OF ISSUE:					
May 26, 1978			JUN 11 1981					
DESCRIPTION: Fluid-Tite A/C Pressure Pipe, Couplings and Accessories Classes 100, 150 and 200 - FT-B								
Marking Example: CERTAIN-TEED TBIC 4" CLASS 150 FLUID-TITE (Centered around the coupling) 1" NPT (Size and Type connection located near the insert)								
Note: 1) "J" Diameter to be centered on "D". 2) For other dimensions not shown refer to Standard Coupling of this Specification. 3) Protrusions shall be filleted with epoxy. 4) Double outlet threaded Brass Inserts to be located 180° apart. 5) Insert must not protrude more than 3/8" or be recessed more than 1/8" to function properly. 6) Brass Inserts per Standard Purchasing Specification No. 523. 7) Rubber "O" Rings per Standard Purchasing Specification No. 524. 8) Plastic Closure Protectors per Standard Purchasing Specification No. 525.								
PREPARED BY:		APPROVED BY:		R & D	MFG.	SALES	I.E.	OTHERS
M.R. Steffy					Q4	J.R.A		

02-10-0023 (P927) 12/76 CONFIDENTIAL DOCUMENT - NOT TO BE DISTRIBUTED TO UNAUTHORIZED PERSONNEL

CTD012170

DATE OF ISSUE:	SPECIFICATION NO:	PAGE NO.:
JUN 11 1981	1	12

DESCRIPTION: Fluid-Tite A/C Pressure Pipe, Couplings and Accessories
Classes 100, 150 and 200 - FT-B

DELETED

Tapped Couplings With 2 1/2" x 2" NPT Hexagonal Bushings

TECHNICAL SPECIFICATIONS

CertainTeed

CertainTeed Corporation
Pipe and Plastics Group

SPECIFICATIONS CLASSIFICATION:

A/C Standard Product Specification

T.C.O. REF. NO.

25

SPECIFICATION NO:

1

PAGE NO.:

13

SUPERSEDES:

November 13, 1973

DATE OF ISSUE:

MAY 26 1978

DESCRIPTION:

FLUID-TITE A/C Pressure Pipe, Couplings, and Accessories
Classes 100, 150, and 200 - FT-B

COUPLING ADAPTOR - FLUID-TITE TO STEEL

Physical Requirements

The FLUID-TITE to Steel coupling adaptor shall meet the inspection standards required of the standard couplings and shall be designed to meet the hydrostatic test requirements of the appropriate class.

Rubber Rings

Each coupling adaptor shall be supplied with two (2) FLUID-TITE rubber rings. The ring for the A/C side shall be of the appropriate size and class. The ring for the steel side shall be factory applied as follows.

Coupling Size,
Inches

3
4

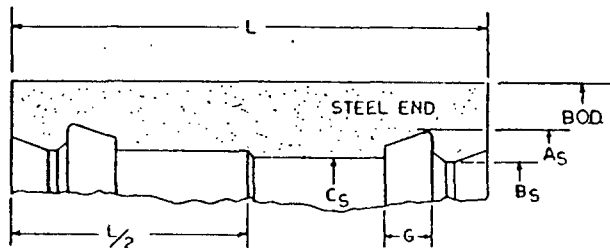
Steel End Ring to be Supplied

3" IPS PVC Ring per PVC Std. Pur. Spec No. 1003 (Interplant from PVC plant)
4" Class 100 FT., Std. Pur. Spec. No. 503-B

Oil resistant rings may be supplied when specified by the purchaser.

Steel Pipe End

Dimensions accommodate threaded and coupled, black or galvanized steel pipe, schedule 10 through 160.



Marking Example:

CERTAIN-TEED
4" Class 150
FLUID-TITE
CPLG ADAPTOR
A/C to STEEL

(Centered around the Coupling)

STEEL PIPE END

- located at the adaptor end where the steel pipe is to be inserted.

Dimensions

Coupling Size, Inches	A _s "	B _s "	C _s "	G"
	+ 0.025"	+ 0.025"	+ 0.025"	+0.03" -0.01"

Classes 100, 150, 200

3	3.930	3.560	3.620	0.500
4	5.520	4.560	4.630	0.700

For other dimensions not shown, refer to Standard Coupling dimensions.

Note

For excessively oval steel pipe, field reworking of the B_s to the C_s dimension is permitted.

Coupling adaptors may also be used for plastic pipe connections up to and including 4" nominal size. Plastic B.O.D. dimensions must be the same as steel pipe.

PREPARED BY:

LOH

APPROVED BY:

mfs

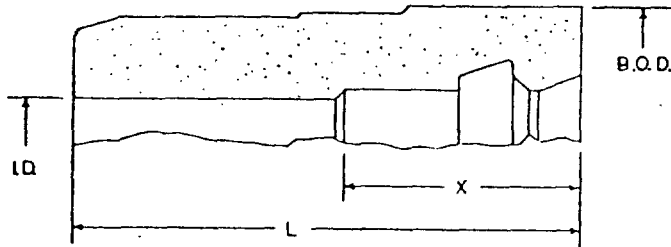
R & D

MFG.

SALES

I.E.

OTHERS

COUPLING REDUCER, FLUID-TITE to FLUID-TITE

Marking Example:

CERTAIN-TEED
CPC-CRD
4"F.T. - 3"F.T.
150
FLUID-TITE

(Center around the unmachined section around the coupling.)

Physical Requirements

Coupling Reducers shall meet the inspection standards required of standard couplings and pipe, and shall be designed to meet the hydrostatic test requirements of the appropriate class.

Rubber Rings

Each Coupling Reducer shall be supplied with one(1) FLUID-TITE Rubber ring of the appropriate class corresponding with the coupling side. An oil resistant ring may be supplied when specified by the purchaser.

Dimensions

Coupling Reducer Size, Inches	I.D. Inches	B.O.D.,"	L"		X"
		+.08" -.00"	±.13"	±.13"	

Note: 1) For machining dimensions not shown refer to Standard Pipe and Coupling, this specification.

2) I.D. subject to manufacturing tolerances machining not required.

Class 150

4 to 3	3.82	5.55	6.25	3.13
--------	------	------	------	------

Class 200

4 to 3	3.82	5.75	6.25	3.13
--------	------	------	------	------

Coupling Reducer - 6" FLUID-TITE CG to 4" FLUID-TITE

Class 100	4.56	7.16	6.50	3.25
150	4.68	7.12	6.50	3.25
200	4.68	7.36	6.50	3.25

For 6" pipe end machining refer Std. Prod. Spec 3A (C.G.)

For 4" coupling end machining refer this specification.

CTD012173

TECHNICAL SPECIFICATIONS

CertainTeed

CertainTeed Corporation
Pipe and Plastics Group

SPECIFICATIONS CLASSIFICATION:

A/C Standard Product Specification

T.C.O. REF. NO.

25

SPECIFICATION NO:

1

PAGE NO.:

15

SUPERSEDES:

September 17, 1973

DATE OF ISSUE:

MAY 26 1978

DESCRIPTION:

FLUID-TITE A/C Pressure Pipe, Couplings, and Accessories
Classes 100, 150, and 200 - FT-B

SPECIAL CLOSURE SECTIONS

Marking Example:

A CERTAIN-TEED
4" Class 150
FLUID-TITE

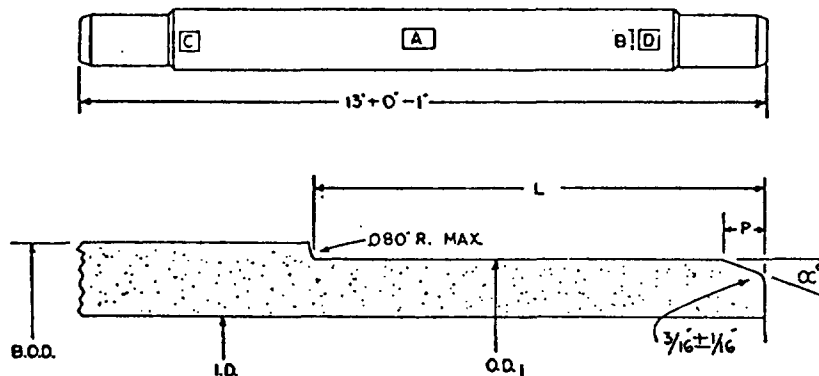
B Manufacturing
Information

05016858c
109

C Tested at _____ psi

D Stencil the Words

CLOSURE SECTION



Dimensions

$L \pm 0.25"$ For 3" - 4" = 8 inches

$\alpha^\circ \pm 2^\circ$ For 3" - 4" = 20 degrees

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Other Dimensions

For B.O.D., Nominal I.D., O.D., and P, refer to standard pipe dimensions, this specification.

Use

The pipe ends are machined so as to accept a full coupling. This pipe enables the customer to make tie-ins and replacement of damaged lengths without disturbing more than one section in the line. It also aids in main relocation work.

Standard Length

The pipe shall be furnished in 13 feet lengths only. When special closure sections are requested by a customer, plants unable to supply the standard length may supply half lengths. Special closure sections shall represent a portion of the total footage on the order.

PREPARED BY:

LBH JGH

APPROVED BY:

med

R & D

MFG.

SALES

I.E.

OTHERS

PIPE ADAPTORS

Page 16

Use

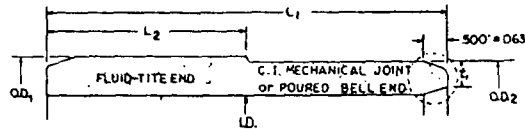
To provide a means for connecting CPC dimensioned pressure pipe couplings to mechanical joint and poured Class D cast iron fittings, CPC class-to-class pressure pipe, and CPC pressure pipe to competitive A/C couplings.

Physical Requirements

Pipe adaptors shall meet the inspection standards required of standard pipe and shall be designed to meet the hydrostatic test requirements of the appropriate class.

PIPE ADAPTOR (PAD 2)

Class 100 FLUID-TITE to C.I. Mechanical Joint or Poured Bell End



For internal bevel - find thickest wall, mark t_1 max., machine up to mark, any feathered edge reject.

For dimensions of FLUID-TITE end not shown, refer to Fully Machined dimensions this specification.

PIPE ADAPTOR (PAD 2)

PAD 2	Nominal	L_1 "	L_2 "			
Size,	I.D.,	+0.0"	+0.0"	O.D. ₁	O.D. ₂	t_1
Inches	Inches	Inches	Inches	Inches	Inches	Max.
3	2.92	15	8	3.74	3.96	*
4	3.73	15	8	4.64	4.81	.60

Marking Example:

FT SIDE

CT - PAD 2
4" - 100
FLUID-TITE

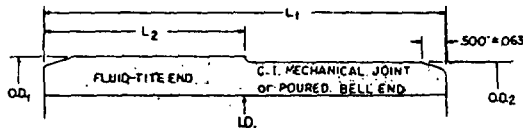
MJ/PB SIDE

CT PAD 2
4" MJ/PB
FLUID-TITE

Tolerance O.D.₁ and O.D.₂ - 3" & 4"; $\pm .020$ " *No internal bevel for 3" size

PIPE ADAPTOR (PAD 3)

Class 150/200 FLUID-TITE To C.T. Mechanical Joint and/or Poured Bell End



For dimensions of FLUID-TITE end not shown, refer to Fully Machined dimensions this specification.

Note: For 4" Class 150 or 200 connections use Fully Machined Pipe with internal bevel (as shown for the PAD 2).

PIPE ADAPTOR (PAD 3)

Class 150 FLUID-TITE To C.I. Mechanical Joint and/or

PAD 3	Nominal	L_1 "	L_2 "		
Size,	I.D.,	+0.0"	+0.0"	O.D. ₁	O.D. ₂
Inches	Inches	Inches	Inches	Inches	Inches
3	2.92	15	8	3.84	3.96

Marking Example:

FT SIDE

CT - PAD 3
4" 150/200
FLUID-TITE

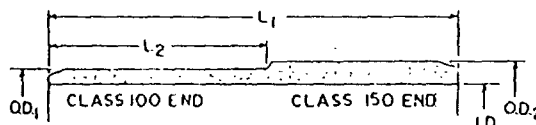
MJ/PB SIDE

CT - PAD 3
4" MJ/PB
FLUID-TITE

Tolerance O.D.₁ and O.D.₂ - 3"; $\pm .020$ "

PIPE ADAPTOR (PAD 5)

Class 100 FLUID-TITE To Class 150 FLUID-TITE



Marking Example:

Class 100 SIDE

CT - PAD 5
4" - 100
FLUID-TITE

CLASS 150 END

CT - PAD 5
4" - 150
FLUID-TITE

Class 100 FLUID-TITE To Class 150 FLUID-TITE

PAD 5	Nominal	L_1 "	L_2 "		
100 to 150	I.D.,	+0.0"	+0.0"	O.D. ₁	O.D. ₂
Size	Inches	Inches	Inches	Inches	Inches
3	2.92	15	8	3.74	3.84
4	3.80	15	8	4.64	4.81

Tolerance O.D.₁ and O.D.₂ - 3" & 4"; $\pm .020$ "

For dimensions of FLUID-TITE End not shown, refer to Fully Machined dimensions this specification.

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