

July 29, 1957

Merchandise Bulletin

2601-87

TO: All Salesmen
Southwestern Region - Pipe Division

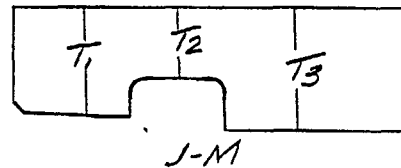
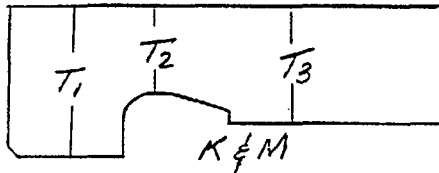
PLAINTIFF'S
EXHIBIT

JMMC-281

Ring-Tite & Fluid-Tite Couplings

Some of you have reported that representatives of Keasbey & Mattison and their distributors have been advising customers in your territory that the Fluid-Tite Coupling has a greater wall thickness than our Ring-Tite Coupling.

We have developed information from official drawings of both couplings indicating that this is not the truth. The only point at which the Fluid-Tite Coupling has a greater wall thickness than the Ring-Tite Coupling is that portion of the coupling between the ring groove and the face of the coupling. The actual thickness of the Fluid-Tite Coupling at both the greatest diameter of the rubbering groove and the area of the coupling between the ring grooves is less than that of the Ring-Tite Coupling. The following table indicates the actual dimensions:



SIZE	K & M			Class 150		
	T1	T2	T3	T1	T2	T3
4"	.7275	.4125	.6975	.725	.51	.84
6"	.8275	.5125	.7975	.825	.61	.94
8"	.9275	.6125	.8975	.925	.71	1.04
10"	1.170	.8450	1.140	1.120	.905	1.235
10" N	1.170	.8450	1.140	1.075	.86	1.195
12"	1.310	.9850	1.280	1.255	1.04	1.37
12" N	1.310	.9850	1.280	1.205	.94	1.32

We trust this information will assist you in your sales efforts.

J. L. Everett

JLE:mh

cc: W. H. Waring
S. J. McDuff
file

J.L.E.
See me
about these
please.
W.H.W.
7/13

Houston Office
July 11, 1957

TO: E. B. Yost - Dallas
W. P. Richardson - New Orleans

Century Pressure Pipe Dimensions

We are sure you will recall a conversation between yourselves, myself, and Jack Cran at our Galveston Sales Conference in which you requested dimensions of Century Pipe. Accordingly, we have attached a complete set of drawings indicating these dimensions.

As you will note on the drawings, the material is intended for use only among personnel employed by Johns-Manville and is not intended to be used by our customers.

We trust this information will prove adequate for your needs.

J. L. Everett

JLE:ap
cc: J. R. Cran - DHD - Box 92
File

Division Headquarters
July 3, 1957

J. L. Everett - Houston

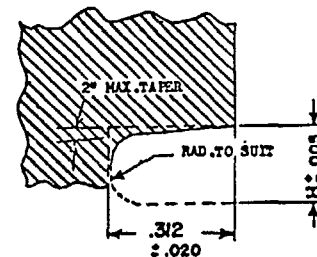
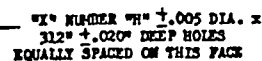
Dimensions of Competitive A-C Pipe
Your Letter of June 7

In line with your request and in accordance with our recent conversation in Galveston, I am enclosing four copies of drawings covering the joint design of competitive ^{asbestos} cement pipe. Naturally in view of the content of the drawings we have stamped them Confidential as they are not intended for customer use. If you need any further copies of these drawings, please notify me.


J. R. Cran

JRC/pmc

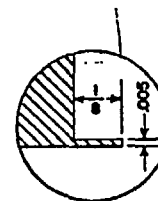
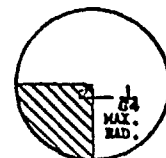
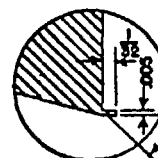
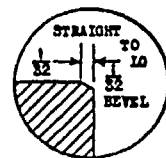
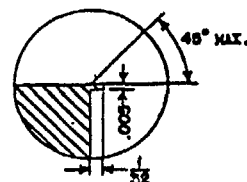
cc: I. F. Frazza
O. A. Wirsig
A. J. Maahs



HOPE TOLERANCE

MARKING SPECIFICATIONS

- A. AT THE SPLICE: THE DATE OF MANUFACTURE SHOWN BY THE NUMBER OF THE MONTH AND THE LAST TWO DIGITS OF THE YEAR SUCH AS 1-55 DENOTING JANUARY 1955.
- B. ONE-FIFTH TURN FROM SPLICE: MANUFACTURER'S INSIGNIA AND CAVITY NUMBER.
- C. TWO-FIFTHS TURN FROM SPLICE: THE WORDS "FLUID-TITE" FOLLOWED BY SIZE & CLASS FOR WHICH GASKET IS USED; I.E. "FLUID-TITE" 4" - 150-200.
- D. THREE-FIFTHS TURN FROM SPLICE: THE CODE NUMBER AS SPECIFIED IN THE TABLE FOR SAME SIZE AND CLASS; I.E. P2-403-RTT.



DETAILS - FLASH REMOVAL OR ALLOWANCE
SCALE: 1/8" = 1'-0"

NOTE: THE SAME RINGS USED WITH CLASS 200 AS USED WITH CLASS 150 - UNDER "MARKING SPECIFICATIONS" ITEM C, THE APPROPRIATE DUAL SIZE & CLASS SHOULD BE DESIGNATED.

* O.D. TOLERANCE (ALL CLASSES)

3" - $\pm .020$	10" - $\pm .045$
4" - $\pm .020$	Big 10" - $\pm .050$
6" - $\pm .025$	12" - $\pm .060$
8" - $\pm .040$	Big 12" - $\pm .065$

⑨ H TOLERANCE, 3" - 150
ONLY: -.005" +.010"

N ADDED TOL. TO HEIGHT OF
LETTERS INCL. PLUS TOL.
H DIM. 3"-150 FROM .005
TO .010".

M REDRAWN FROM DWG. SAME
NO. 3" - CLASS 150
ADDED.

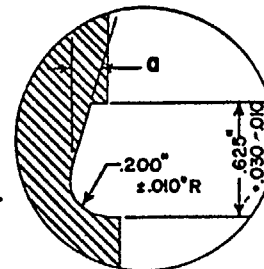
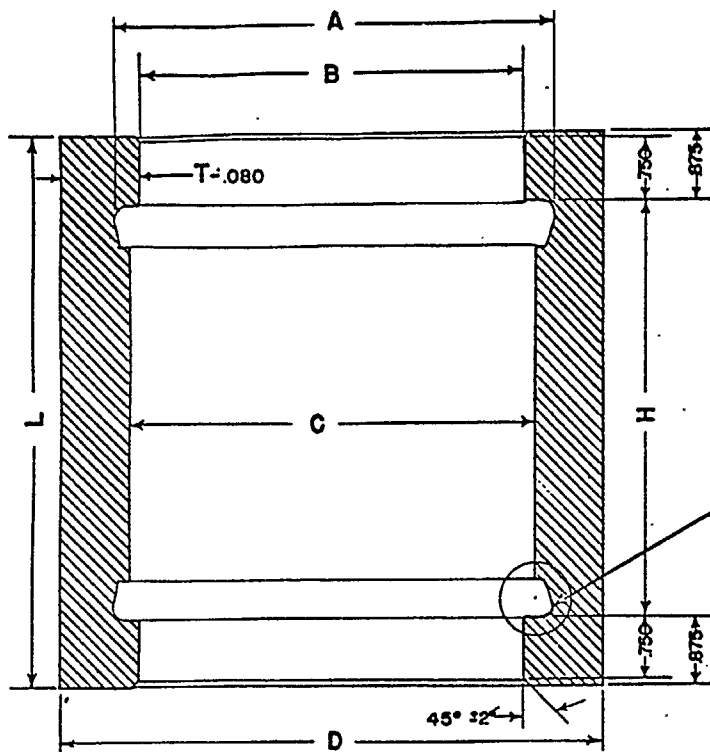
[illegible]

KEASBEY & MATTISON CO.

RUBBER GASKET FOR
"FLUID-TITE" PRESSURE PIPE COUPLING

PRINT ISSUED
JULY 30 1956

DWG. NO.
P2-000-RFT



DETAIL OF FLANGE
Scale: 24" 1"-0"

NOTE: ON COUPLING BORE DIAMETERS B AND C, IT IS PERMISSIBLE TO HAVE AN UNMACHINED AREA NOT EXCEEDING 60° OF THE PERIPHERY OF THESE SURFACES AND THAT THE MAXIMUM BORE IN THIS AREA SHALL NOT EXCEED .030" ABOVE THE MAXIMUM TOLERANCE OF THE B AND C DIMENSIONS.

CLASS 100									
NOMINAL PIPE SIZE (inches)	CODE NUMBER	A (inches)	B (inches)	C (inches)	D (inches)	T (inches)	H (inches)	L (inches)	H (inches)
3	P2-302-CST	4.450	3.820	3.880	5.150	0.670	6.250	10	4.500
4	P2-402-CST	5.450	4.820	4.880	6.200	0.690	6.250	10	4.500
6	P2-602-CST	7.510	6.880	6.920	8.260	0.690	6.250	10	4.500
8	P2-802-CST	9.630	9.000	9.060	10.460	0.730	6.250	10	4.500
10	P2-102-CST	11.470	10.820	10.880	12.560	0.870	6.750	18	5.000
BIG 10	P2-112-CST	11.930	11.280	11.340	13.020	0.870	6.750	18	5.000
12	P2-122-CST	13.540	12.890	12.950	14.710	0.910	6.750	18	5.000
BIG 12	P2-132-CST	14.110	13.460	13.520	15.280	0.910	6.750	18	5.000
CLASS 150									
3	P2-303-CST	4.630	4.000	4.060	5.400	0.700	6.250	10	4.500
4	P2-403-CST	5.600	4.970	5.030	6.425	0.730	6.250	10	4.500
6	P2-603-CST	7.700	7.070	7.130	8.725	0.830	6.250	10	4.500
8	P2-803-CST	9.900	9.270	9.330	11.125	0.930	6.250	10	4.500
10	P2-103-CST	12.010	11.360	11.420	13.700	1.170	6.750	18	5.000
BIG 10	P2-113-CST	12.450	11.800	11.860	14.140	1.170	6.750	18	5.000
12	P2-123-CST	14.200	13.550	13.610	16.170	1.310	6.750	18	5.000
BIG 12	P2-133-CST	14.710	14.060	14.120	16.680	1.310	6.750	18	5.000
CLASS 200									
4	P2-404-CST	5.600	4.970	5.030	6.710	0.870	6.250	10	4.500
6	P2-604-CST	7.700	7.070	7.130	9.010	0.970	6.250	10	4.500
8	P2-804-CST	9.900	9.270	9.330	11.410	1.070	6.250	10	4.500
10	P2-104-CST	12.450	11.800	11.860	14.400	1.300	6.750	18	5.000
12	P2-124-CST	14.710	14.060	14.120	16.940	1.440	6.750	18	5.000

* TOLERANCES - 3", 4", 6" AND 8" (ALL CLASSES):

(K) A B C $\pm .035^+$ $-.015^-$ 10" AND ABOVE (ALL CLASSES): A B C $\pm .025^+$ $-.015^-$

REDRAWN FROM DWG. SAME NO. ADDED 3" CLASS 150 DIMENSIONS (J)

TOLERANCES WERE: 3", 4", 6" AND 8" A $\pm .025^+$ $-.015^-$ B $\pm .020^+$ $-.015^-$ C $\pm .020^+$ $-.015^-$ 10" AND ABOVE A $\pm .015^+$ $-.010^-$ B $\pm .020^+$ $-.015^-$ C $\pm .025^+$ $-.015^-$ (K)

KEASBEY & MATTISON CO.

STANDARD "FLUID-TITE"
PRESSURE PIPE COUPLING

DWG. NO.
PRINT ISSUED: JULY 30, 1956 P2-000-CST

•• "T" DIMENSION TOLERANCES - BOTH FIGURES - CLASS 100: -.120"
CLASS 150: -.080"
CLASS 200: -.120" (G)

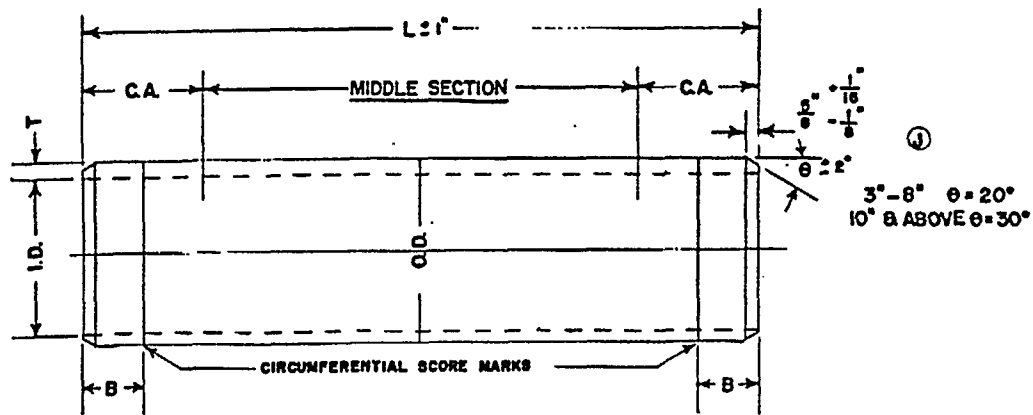


FIGURE # 2

NOTE: FULLY MACHINED PIPE

CLASS 100											
NOMINAL PIPE SIZE (INCHES)	1/2 LENGTH - FULLY MACHINED		1/4 LENGTH - FULLY MACHINED		I.D. (NOMINAL) (INCHES)	O.D. (INCHES)	O.D. TOLERANCE		T ± (INCHES)	C.A. ± (INCHES)	B ±1/16 (INCHES)
	CODE NUMBER	L ± 1"	CODE NUMBER	L ± 1"			FOR C.A.	FOR MID-LENGTH DIE SECT			
3	P2-302-PF2	6'-6"	P2-302-PF4	3'-3"	3.00	3.70	±.015 -.020	±.015 -.020	0.35	4	2-7/8
4	P2-402-PF2	6'-6"	P2-402-PF4	3'-3"	3.95	4.70	±.015 -.020	±.015 -.020	0.38	4	2-7/8
6	P2-602-PF2	6'-6"	P2-602-PF4	3'-3"	5.85	6.76	±.015 -.020	±.015 -.020	0.46	4	2-7/8
8	P2-802-PF2	6'-6"	P2-802-PF4	3'-3"	7.85	8.88	±.015 -.020	±.015 -.020	0.52	4	2-7/8
10	P2-102-PF2	6'-6"	P2-102-PF4	3'-3"	9.68	10.72	±.015 -.020	±.015 -.020	0.52	4½	3-1/8
Big 10	P2-112-PF2	6'-6"	P2-112-PF4	3'-3"	10.00	11.18	±.020 -.020	±.020 -.020	0.59	4½	3-1/8
12	P2-122-PF2	6'-6"	P2-122-PF4	3'-3"	11.57	12.79	±.020 -.020	±.020 -.020	0.61	4½	3-1/8
Big 12	P2-132-PF2	6'-6"	P2-132-PF4	3'-3"	12.00	13.36	±.020 -.020	±.020 -.020	0.68	4½	3-1/8
</											

③ RE-STATED SHOULDER ANGLE ON STANDARD PIPE.
ON FULLY MACHINED PIPE, 5/8 WAS 3/8, 6 WAS 15°.

④ B.O.D. (MIN.) FOR 4" -200 WAS 5.37, 6" 200 WAS 7.34, 8" 200 WAS 9.46°.

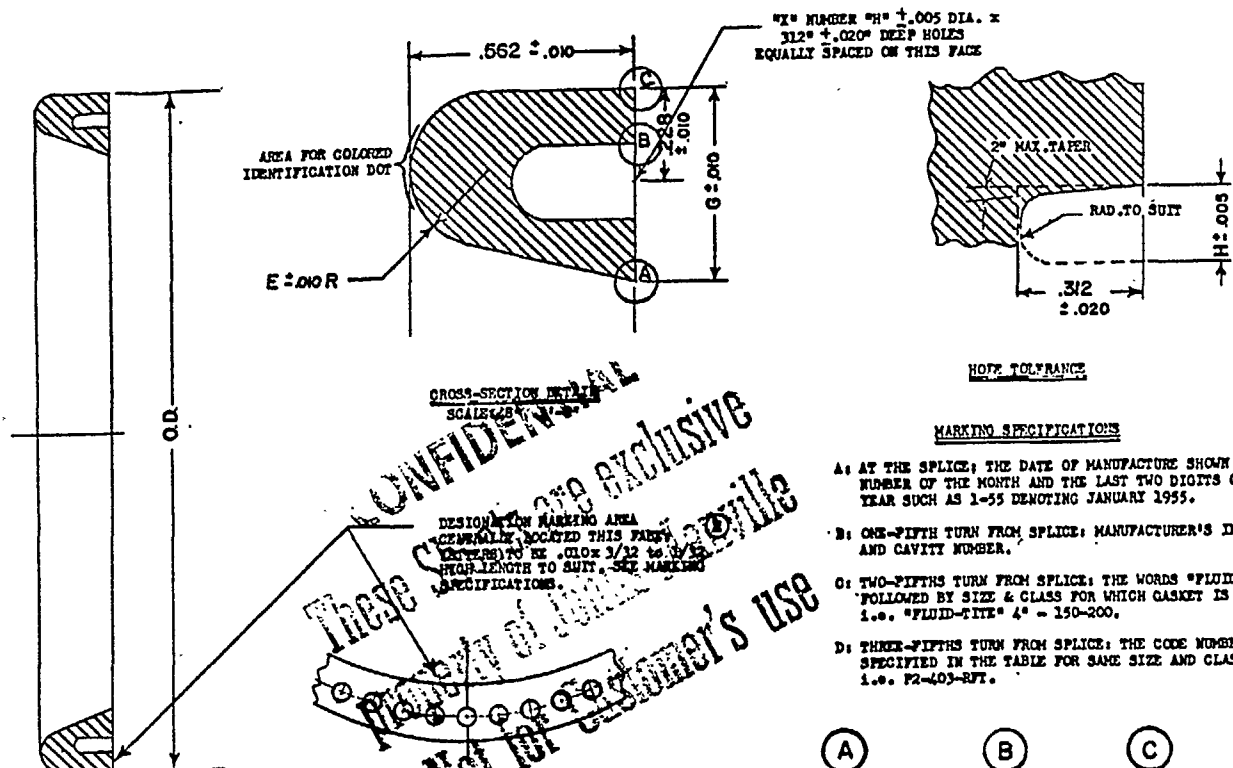
⑤ REDRAWN FROM DWG. SAME NO. ADD 3" CLASS 150 & B.O.D. DIM'S (CLASS 200) 3.80" WAS 3.95", 5.60" WAS 5.70", 7.50" WAS 7.60", -120, TOL. WAS -.080", 0.53" WAS 0.45", 0.68" WAS 0.63", 0.83" WAS 0.78°.

KEASBEY & MATTISON CO.

"FLUID-TITE" PRESSURE PIPE

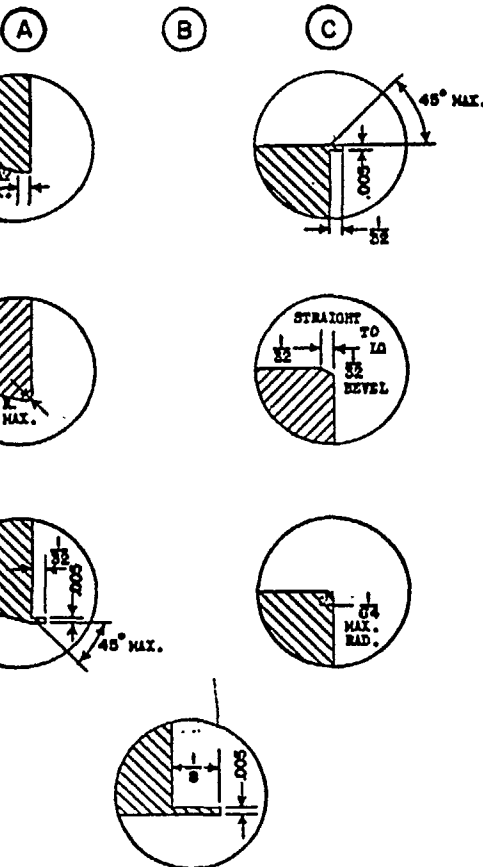
PRINT - ISSUED
JULY 30, 1956

DWG. NO.
P2-000-P00



GASKET TO HAVE $\frac{1}{8}$ " DIAM. (APPROX.) COLORED IDENTIFICATION DOT VULCANIZED INTO BODY ON BACK RADIUS IN ACCORDANCE WITH "K & M" MATERIAL SPECIFICATION #509 AND PER "COLOR IDENTIFICATION" COLUMN IN TABLE. THE DOT OR DOTS INDICATED BY (2) ARE THOSE COLORS USED FOR COMPOUND IDENTIFICATION AND THE SOLID DOTS (3) ARE RED FOR THE "BIG" SIZES. MULTIPLE DOTS TO BE SPACED FROM $\frac{1}{4}$ TO $\frac{1}{2}$ " APART.

CLASS 100							
NOMINAL PIPE SIZE (INCHES)	CODE NUMBER	NO. HOLES	O.D. (INCHES)	E $\pm .010$ (INCHES)	G $\pm .010$ (INCHES)	H $\pm .005$ (INCHES)	COLOR IDENTIFICATION
3	P2-302-RFT	44	4.450	.200	.493	.208	(X)(X)
4	P2-402-RFT	55	5.450	.200	.493	.208	(X)(X)
6	P2-602-RFT	78	7.510	.200	.493	.208	(X)(X)
8	P2-802-RFT	101	9.630	.200	.493	.208	(X)(X)
10	P2-102-RFT	112	11.510	.187	.468	.208	(X)(X)
Big 10	P2-112-RFT	117	11.970	.187	.468	.208	(X)(X)(X)
12	P2-122-RFT	145	13.640	.187	.468	.208	(X)(X)
Big 12	P2-132-RFT	149	14.210	.187	.468	.208	(X)(X)(X)
CLASS 150							
3	P2-303-RFT	47	4.630	.200	.493	.187	(X)
4	P2-403-RFT	58	5.610	.200	.493	.187	(X)
6	P2-603-RFT	80	7.700	.200	.493	.208	(X)
8	P2-803-RFT	105	9.980	.200	.493	.208	(X)
10	P2-103-RFT	118	12.050	.187	.468	.208	(X)
Big 10	P2-113-RFT	122	12.490	.187	.468	.208	(X)(X)
12	P2-123-RFT	160	14.300	.187	.468	.187	(X)
Big 12	P2-133-RFT	166	14.810	.187	.468	.187	(X)(X)
CLASS 200							
4	P2-403-RFT	SEE DIMENSIONS 4" CLASS 150					
6	P2-603-RFT	SEE DIMENSIONS 6" CLASS 150					
8	P2-803-RFT	SEE DIMENSIONS 8" CLASS 150					
10	P2-113-RFT	SEE DIMENSIONS BIG 10 CLASS 150					
12	P2-133-RFT	SEE DIMENSIONS BIG 12 CLASS 150					



* O.D. TOLERANCE (ALL CLASSES)
 3" - $\pm .020$ 10" - $\pm .045$
 4" - $\pm .020$ Big 10" - $\pm .050$
 6" - $\pm .025$ 12" - $\pm .060$
 8" - $\pm .040$ Big 12" - $\pm .065$

* H TOLERANCE, 3" - 150 ONLY: $-.005$ $+.010$

* ADDED TOL. TO HEIGHT OF LETTERS INCL. PLUS TOL. H DIM. 3" - 150 FROM $+.005$ TO $+.010$.

* REDRAWN FROM DWG. SAME NO. 3" - CLASS 150 ADDED.

DETAILS - FLASH REMOVAL OR ALLOWANCE
 SCALE: 48" 1'-0"

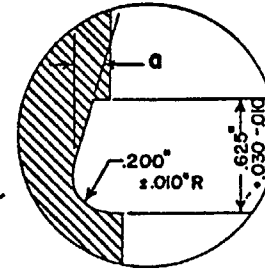
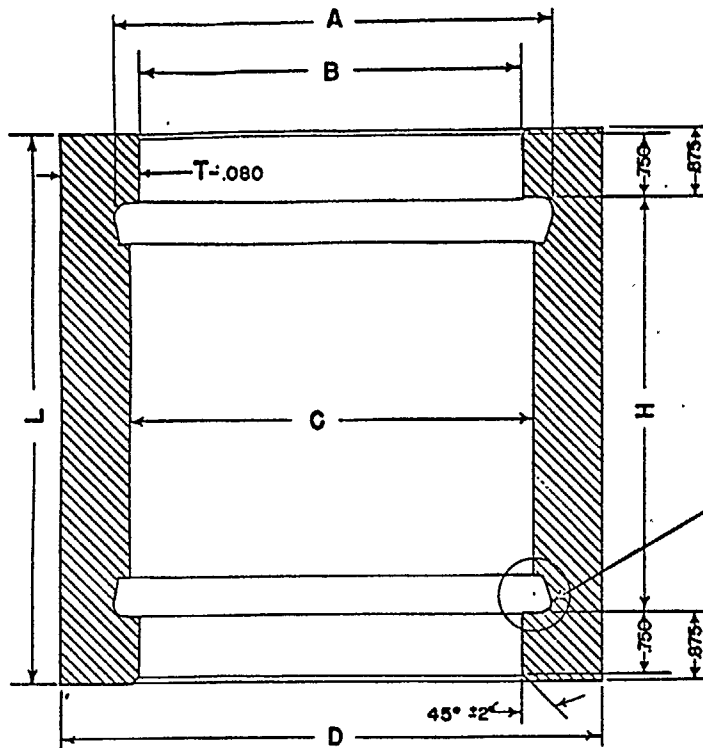
NOTE: THE SAME RINGS USED WITH CLASS 200 AS USED WITH CLASS 150 - UNDER "MARKING SPECIFICATIONS" ITEM C, THE APPROPRIATE DUAL SIZE & CLASS SHOULD BE DESIGNATED.

KEASBEY & MATTISON CO.

RUBBER GASKET FOR
 "FLUID-TITE" PRESSURE PIPE COUPLING

PRINT ISSUED
 JULY 30, 1956

DWG. NO.
 P2-000-RFT



DETAIL OF COUPLING
Scale: 2 1/4" 1'-0"

NOTE: ON COUPLING BORE DIAMETERS B AND C, IT IS PERMISSIBLE TO HAVE AN UNMACHINED AREA NOT EXCEEDING 60° OF THE PERIPHERY OF THESE SURFACES AND THAT THE MAXIMUM BORE IN THIS AREA SHALL NOT EXCEED .030" ABOVE THE MAXIMUM TOLERANCE OF THE B AND C DIMENSIONS.

CLASS 100									
NOMINAL PIPE SIZE (inches)	CODE NUMBER	A (inches)	B (inches)	C (inches)	D (inches)	T (inches)	±.030 (inches)	±.080 (inches)	±.000 (inches)
3	P2-302-CST	4.450	3.820	3.880	5.150	0.670	6.250	10	4.500
4	P2-402-CST	5.450	4.820	4.880	6.200	0.690	6.250	10	4.500
6	P2-602-CST	7.510	6.880	6.940	8.260	0.690	6.250	10	4.500
8	P2-802-CST	9.630	9.000	9.060	10.460	0.730	6.250	10	4.500
10	P2-102-CST	11.470	10.820	10.880	12.560	0.870	6.750	18	5.000
BIG 10	P2-112-CST	11.930	11.280	11.340	13.020	0.870	6.750	18	5.000
12	P2-122-CST	13.540	12.890	12.950	14.710	0.910	6.750	18	5.000
BIG 12	P2-132-CST	14.110	13.460	13.520	15.280	0.910	6.750	18	5.000
CLASS 150									
3	P2-303-CST	4.630	4.000	4.060	5.400	0.700	6.250	10	4.500
4	P2-403-CST	5.600	4.970	5.030	6.425	0.730	6.250	10	4.500
6	P2-603-CST	7.700	7.070	7.130	8.725	0.830	6.250	10	4.500
8	P2-803-CST	9.900	9.270	9.330	11.125	0.930	6.250	10	4.500
10	P2-103-CST	12.010	11.360	11.420	13.700	1.170	6.750	18	5.000
BIG 10	P2-113-CST	12.450	11.800	11.860	14.240	1.170	6.750	18	5.000
12	P2-123-CST	14.200	13.550	13.610	16.170	1.310	6.750	18	5.000
BIG 12	P2-133-CST	14.710	14.060	14.120	16.680	1.310	6.750	18	5.000
CLASS 200									
4	P2-404-CST	5.600	4.970	5.030	6.710	0.870	6.250	10	4.500
6	P2-604-CST	7.700	7.070	7.130	9.010	0.970	6.250	10	4.500
8	P2-804-CST	9.900	9.270	9.330	11.410	1.070	6.250	10	4.500
10	P2-104-CST	12.450	11.800	11.860	14.400	1.300	6.750	18	5.000
12	P2-124-CST	14.710	14.060	14.120	16.940	1.440	6.750	18	5.000

* TOLERANCES - 3", 4", 6" AND 8" (ALL CLASSES):

(K) A ±.035" B ±.015" C ±.025" 10" AND ABOVE (ALL CLASSES): A ±.025" B ±.015" C ±.025"

REDRAWN FROM DWG. SAME NO. ADDED 3" CLASS 150 DIMENSIONS (J)

TOLERANCES WERE: 3", 4", 6" AND 8" A ±.035" B ±.020" C ±.025" 10" AND ABOVE A ±.015" B ±.020" C ±.025" (K)

KEASBEY & MATTISON CO.

STANDARD "FLUID-TITE"
PRESSURE PIPE COUPLING

DWG. NO.

PRINT ISSUED: JULY 30, 1956 P2-000-CST

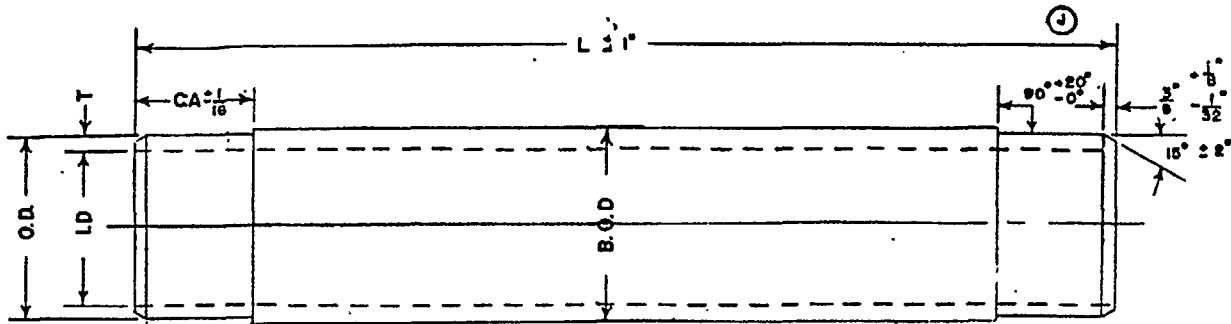


FIGURE #1

NOTE: STANDARD, RANDOM & M.E.O. PIPE LENGTHS ONLY

CLASS 100										
NOMINAL PIPE SIZE (INCHES)	STANDARD PIPE		RANDOM PIPE *		1/2 STANDARD - M.E.O. ****		1/4 STANDARD - M.E.O. ****		I.D. (NOMINAL) (INCHES)	O.D. *** (INCHES)
	CODE NUMBER	L ± 1"	CODE NUMBER	L ± 1"	CODE NUMBER	L ± 1"	CODE NUMBER	L ± 1"		T ** (INCHES)
3	P2-302-PST	13'	P2-302-PRO-00	7' 12'-6"	P2-302-FM2	6'-6"	P2-302-FM4	3'-3"	3.00	3.70
4	P2-402-PST	13'	P2-402-PRO-00	7' 12'-6"	P2-402-FM2	6'-6"	P2-402-FM4	3'-3"	3.95	4.70
6	P2-602-PST	13'	P2-602-PRO-00	7' 12'-6"	P2-602-FM2	6'-6"	P2-602-FM4	3'-3"	5.85	6.76
8	P2-802-PST	13'	P2-802-PRO-00	7' 12'-6"	P2-802-FM2	6'-6"	P2-802-FM4	3'-3"	7.85	8.88
10	P2-102-PST	13'	P2-102-PRO-00	7' 12'-6"	P2-102-FM2	6'-6"	P2-102-FM4	3'-3"	9.68	10.72
Big 10	P2-112-PST	13'	P2-112-PRO-00	7' 12'-6"	P2-112-FM2	6'-6"	P2-112-FM4	3'-3"	10.00	11.18
12	P2-122-PST	13'	P2-122-PRO-00	7' 12'-6"	P2-122-FM2	6'-6"	P2-122-FM4	3'-3"	11.57	12.79
Big 12	P2-132-PST	13'	P2-132-PRO-00	7' 12'-6"	P2-132-FM2	6'-6"	P2-132-FM4	3'-3"	12.00	13.36
CLASS 150										
3	P2-303-PST	13'	P2-303-PRO-00	7' 12'-6"	P2-303-FM2	6'-6"	P2-303-FM4	3'-3"	3.00	3.88
4	P2-403-PST	13'	P2-403-PRO-00	7' 12'-6"	P2-403-FM2	6'-6"	P2-403-FM4	3'-3"	3.95	4.85
6	P2-603-PST	13'	P2-603-PRO-00	7' 12'-6"	P2-603-FM2	6'-6"	P2-603-FM4	3'-3"	5.85	6.95
8	P2-803-PST	13'	P2-803-PRO-00	7' 12'-6"	P2-803-FM2	6'-6"	P2-803-FM4	3'-3"	7.85	9.15
10	P2-103-PST	13'	P2-103-PRO-00	7' 12'-6"	P2-103-FM2	6'-6"	P2-103-FM4	3'-3"	9.68	11.26
Big 10	P2-113-PST	13'	P2-113-PRO-00	7' 12'-6"	P2-113-FM2	6'-6"	P2-113-FM4	3'-3"	10.00	11.70
12	P2-123-PST	13'	P2-123-PRO-00	7' 12'-6"	P2-123-FM2	6'-6"	P2-123-FM4	3'-3"	11.57	13.45
Big 12	P2-133-PST	13'	P2-133-PRO-00	7' 12'-6"	P2-133-FM2	6'-6"	P2-133-FM4	3'-3"	12.00	13.96
CLASS 200										
4	P2-404-PST	13'	P2-404-PRO-00	7' 12'-6"	P2-404-FM2	6'-6"	P2-404-FM4	3'-3"	3.95	4.85
6	P2-604-PST	13'	P2-604-PRO-00	7' 12'-6"	P2-604-FM2	6'-6"	P2-604-FM4	3'-3"	5.70	6.95
8	P2-804-PST	13'	P2-804-PRO-00	7' 12'-6"	P2-804-FM2	6'-6"	P2-804-FM4	3'-3"	7.60	9.15
10	P2-104-PST	13'	P2-104-PRO-00	7' 12'-6"	P2-104-FM2	6'-6"	P2-104-FM4	3'-3"	9.68	11.70
12	P2-124-PST	13'	P2-124-PRO-00	7' 12'-6"	P2-124-FM2	6'-6"	P2-124-FM4	3'-3"	11.57	13.96

* "L" DIMENSION OF 7' to 12'-6" IN INCREMENTS OF 6" (i.e., 7', 7'-6", etc.)

5th & 9th DIGITS OF CODE NO. INDICATE LENGTH. FOR EXAMPLE: P2-103-PRO-90 = 4" CLASS 150 "F-T" PIPE 9' LONG
P2-603-PRO-26 = 6" CLASS 150 "F-T" PIPE 12'-6" LONG

** "T" DIMENSION TOLERANCES - BOTH FIGURES - CLASS 100: -.120"
CLASS 150: -.080"
CLASS 200: -.120" (G)

*** O.D. TOLERANCE: 4", 6" & 8" - +.015"
- -.025"
10" & ABOVE - +.030"
- -.020"

**** THE BARREL OF M.E.O. PIPE SHALL NOT EXCEED 0.25" IN DIAMETER OVER THE NOMINAL MACHINED O.D. PERMITTED FOR THE RESPECTIVE SIZES IN CLASS 150, EXCEPT THE 12-INCH SHALL NOT EXCEED 0.15" IN DIAMETER OVER THE NOMINAL MACHINED O.D. PERMITTED FOR CLASS 150.

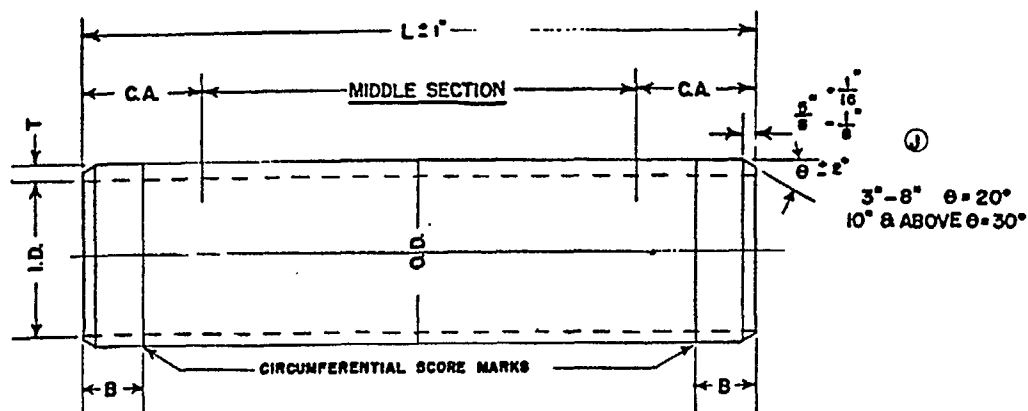


FIGURE # 2

NOTE: FULLY MACHINED PIPE

CLASS 100											
NOMINAL PIPE SIZE (INCHES)	1/2 LENGTH - FULLY MACHINED		1/4 LENGTH - FULLY MACHINED		I.D. (NOMINAL) (INCHES)	O.D. (INCHES)	O.D. TOLERANCE		T ± (INCHES)	C.A. ± (INCHES)	B ±1/16 (INCHES)
	CODE NUMBER	L ± 1"	CODE NUMBER	L ± 1"			FOR C.A. LENGTH	FOR MID- LENGTH DIA. SECT.			
3	P2-302-PF2	6'-6"	P2-302-PF4	3'-3"	3.00	3.70	+0.015 -0.020	+0.015 -0.020	0.35	4	2-7/8
4	P2-402-PF2	6'-6"	P2-402-PF4	3'-3"	3.95	4.70	+0.015 -0.020	+0.015 -0.020	0.38	4	2-7/8
6	P2-602-PF2	6'-6"	P2-602-PF4	3'-3"	5.85	6.76	+0.015 -0.020	+0.015 -0.020	0.46	4	2-7/8
8	P2-802-PF2	6'-6"	P2-802-PF4	3'-3"	7.85	8.88	+0.015 -0.020	+0.015 -0.020	0.52	4	2-7/8
10	P2-102-PF2	6'-6"	P2-102-PF4	3'-3"	9.68	10.72	+0.015 -0.020	+0.015 -0.020	0.52	4 1/2	3-1/8
Big 10	P2-112-PF2	6'-6"	P2-112-PF4	3'-3"	10.00	11.18	+0.015 -0.020	+0.015 -0.020	0.59	4 1/2	3-1/8
12	P2-122-PF2	6'-6"	P2-122-PF4	3'-3"	11.57	12.79	+0.015 -0.020	+0.015 -0.020	0.61	4 1/2	3-1/8
Big 12	P2-132-PF2	6'-6"	P2-132-PF4	3'-3"	12.00	13.36	+0.015 -0.020	+0.015 -0.020	0.68	4 1/2	3-1/8

(J) RE-STATED SHOULDER ANGLE ON STANDARD PIPE.
ON FULLY MACHINED PIPE, 5/8 WAS 3/8, 6 WAS 15°.

(H) B.O.D. (MIN.) FOR 4" -200 WAS 5.37, 6" 200 WAS 7.34, 8" 200 WAS 9.46°.

(G) REDRAWN FROM DWG. SAME NO. ADD 3" CLASS 150 & B.O.D.
DIM'S (CLASS 200) 3.80" WAS 3.95", 5.60" WAS 5.70",
7.50" WAS 7.60", -1.20, TOL. WAS -.080", 0.53" WAS
0.45", 0.68" WAS 0.63", 0.83" WAS 0.78°.

KEASBEY & MATTISON CO.

"FLUID-TITE" PRESSURE PIPE

PRINT - ISSUED
JULY 30, 1956

DWG. NO.
P2-000-P00

[illegible]