

September 22, 2017

Attention: Andrea Calatroni
TECTUBI RACCORDI SPA
VIA ROMA 150
29027 PODENZANO (PC)
VIA GALILEI 1
CASTEL SAN GIOV, 29015

Email: A.Calatroni@tectubiraccordi.com

The design submission, tracking number 2017-04922, originally received on August 09, 2017 was surveyed and accepted for registration as follows:

CRN : 0A00299.2

Accepted on: September 22, 2017

Reg Type: Addition to Acc. Fitting

Expiry Date: September 15, 2027

Drawing No. : TECTUBI CATALOGUE, CRN RENEWAL As Noted

Fitting type: BUTT-WELDING FITTINGS

The registration is conditional on your compliance with the following notes:

As indicated on AB-41 Statutory Declaration form and submitted documentation, the code of construction are B16.9 and other engineering analysis.

This registration is valid only for fittings fabricated at the location(s) covered by the QC certificate attached to the accepted AB-41 Statutory Declaration form.

This registration is valid only until the indicated expiry date and only if the Manufacturer maintains a valid quality management system approved by an acceptable third-party agency until that date.

Should the approval of the quality management system lapse before the expiry date indicated above, this registration shall become void.

This registration covers only fittings made of the material listed in ASME B16.9, and MSS SP75 Standards.

This registration covers the butt welding fittings as following:

** Long Radius Elbows - Hot Formed by Mandrel sizes 1" to 48" as per Attachment 2, Rev.5.*

** Welded L.R. Elbows Two Equal Shells sizes 2" to 60" as per Attachment 4, Rev.2*

** Tees sizes 1 ½" to 60" as per Attachment 5, Rev.5*

** Concentric Reducers sizes ½" to 60" as per Attachment 6, Rev.1*

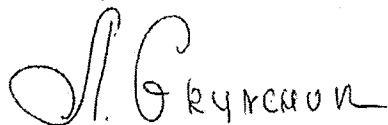
** Eccentric Reducers sizes 1" to 60" as per Attachment 7, Rev.1*

** Weld caps sizes 2" to 60" as per Tectubi Cap Burst Coverage table.*

An invoice covering survey and registration fees will be forwarded from our Revenue Accounts.

Enclosed are stamped prints for your reference.

Sincerely,



GRYNCHUK, MILLA, P. Eng.
DOP Cert. No. D00005217

**STATUTORY DECLARATION
Registration of Fittings**

I, VALTER ALBERICI, PRESIDENT
(name of applicant) (position title) (must be in a position of authority)
of TECTUBI RACCORDI SPA
(name of manufacturer)
located at VIA ROMA 150, 29027 PODENZANO (PC), ITALY
(plant address)

In this space, show facsimile of manufacturer's logo or trademark as it will appear on the fitting.



do solemnly declare that the fittings listed hereunder, which are subject to the Safety Codes Act (check one)

- ☒ comply with the requirements of ASME B16.9-12, MSS SP-75-14 which specifies the dimensions, (title of recognized North American Standard)
materials of construction, pressure/temperature ratings and identification marking of the fittings, or
☐ are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with _____ as supported by the attached (title of code of construction or other applicable document)
data which identifies the dimensions, materials of construction, pressure/temperature ratings and the basis for such ratings, and the marking of the fittings for identification.

I further declare that the manufacture of these fittings is controlled by a quality control program which has been verified by the following authority, LLOYD'S REGISTER QA (LRQA) as being suitable for the manufacture of these fittings to the stated standard. The fittings covered by this declaration, for which I seek registration, are CATEGORY "A" BUTT WELDING FITTINGS (TEES, ELBOWS, REDUCERS AND CAPS IN SEAMLESS AND WELDED EXECUTION)

(brief description of fittings)

In support of this application, the following information, calculations and/or test data are attached:

1) DESIGN PROOF TEST REPORTS 2) CATALOGUE FOR BW FITTINGS FROM 1/2" TO 120" OF ANY WT AND MATERIAL GRADE, ACC. TO ASME B16.9, ASME B16.25, MSS SP-75 AND CSA Z245.11

DECLARED before me at PIACENZA in the PROVINCE of PIACENZA
(city) (province or state)

this 17 day of JULY, 2017
(Month) (Year)

(print)
(a Commissioner of Oaths or Notary Public)

(sign)
(a Commissioner of Oaths or Notary Public)

(signature of applicant)

For ABSA Office Use Only:

NOTES:

To the best of my knowledge and belief, the application meets the requirements of the Safety Codes Act and CSA Standard B51, Clause 4.2, and is accepted for registration in Category A

Registration Number: 0A00299.2 (Signature of the Administrator/SCO)

Date Registered: SEP 15 2017 Expiry Date: 2027, Sep. 15

The information you provide is necessary only for the administration of the programs as required by the Alberta Safety Codes Act and Regulations in the Pressure Equipment Discipline.

see attachments for the scope

ATTACHMENT 2

TECTUBI S.p.A.

BURSTING TEST QUALIFICATION
RANGE
SEAMLESS ELBOWS L.R.
BY MANDREL

TAB. 1.0
Rev. 4
Sh. 1 / 2
Did. 03-02-98

BURSTING SAMPLES (campioni per prove)

10. - ELBOW 90° L.R.	2" sch.80	Cert. No. 3 / 81	✓
11. - ELBOW 90° L.R.	6" STD	Cert. No. 6 / 80	✓
12. - ELBOW 90° L.R.	8" XH	Cert. No. 4 / 81	✓ ✓
13. - ELBOW 90° L.R.	16" STD	Cert. No. 9 / 80	✓ ✓
14. - ELBOW 90° L.R.	24" XH	Cert. No. 1 / 82	✓ ✓
15. - ELBOW 90° L.R.	10" w.th. 6,35	Cert. No. 8 / 80	✓ ✓
16. ELBOW 90° SR	12 STD	cert. No 27/82	✓
	4" 3/10	cert. 22746	
	4" 3/80	cert. 19604	

ASCA
SAFETY CODES ACT - PROVINCE OF ALBERTA
REGISTRATION OF FITTINGS
REGISTRATION NO. **0A00299.2**
DWG. NO. or CAT. NO. **2, 4, 5, 6, 7, 8**
TYPE OF FITTINGS **Butt-Welded**
SEP 15 2017, INITIALS **[Signature]**
Date
MILLA GRYNCHUK, P.Eng.
DESIGN SURVEY ENGINEER

**BURSTING TEST QUALIFICATION
RANGE
SEAMLESS ELBOWS L.R.
by MANDREL**

TAB. 1.0
REV. 15
Sh. 2 / 2
Dtd. 03-02-98

O. D.	W.th. Min.	W.th. Max.	SCHEDULE	
			ANSI B16.10	ANSI B36.19
1"	1,53	9,18	STD-XH-XXH-40-80-160	5S-10S-40S-80S
1.1/4"	1,94	11,63	STD-XH-XXH-40-80-160	5S-10S-40S-80S
1.1/2"	2,21	13,28	STD-XH-XXH-40-80-160	10S-40S-80S
2"	2,76	16,50	STD-XH-XXH-40-80-160	10S-40S-80S
2.1/2"	3,35	20,08	STD-XH-XXH-40-80-160	10S-40S-80S
3"	1,87	24,40	STD-XH-XXH-40-80-160	5S-10S-40S-80S
3.1/2"	2,14	27,94	STD-XH-40-80	10S-40S-80S
4"	2,41	31,40	STD-XH-XXH-40-80-120-160	5S-10S-40S-80S
5"	1,63	24,54	STD-XH-XXH-40-80-120-160	5S-10S-40S-80S
6"	1,95	29,20	STD-XH-XXH-40-80-120-160	5S-10S-40S-80S
8"	2,54	38,05	STD-XH-XXH 20 to 160	5S-10S-40S-80S
10"	3,16	47,40	STD-XH-XXH 20 to 160	5S-10S-40S-80S
12"	3,36	56,26	STD-XH-XXH 20 to 160	5S-10S-40S-80S
14"	3,69	61,76	STD-XH- 10 to 160	5S-10S
16"	4,22	70,59	STD-XH- 10 to 160	10S
18"	4,75	32,10	STD-XH- 10 to 100	10S
20"	5,28	35,66	STD-XH- 10 to 100	10S
22"	5,82	39,22	STD-XH- 10 to 100	10S
24"	6,33	42,79	STD-XH- 10 to 100, 120 & 140	10S
26"	6,87	46,37	STD-XH- 10 - 20	
28"	7,40	49,92	STD-XH- 10 - 20 - 30	
30"	7,92	53,49	STD-XH- 10 - 20 - 30	10S
32"	8,44	57,05	STD-XH- 20 - 30 - 40	
34"	8,98	53,97	STD-XH- 20 - 30 - 40	
36"	9,50	57,05	STD-XH- 20 - 30 - 40	
38"	10,03	60,20	XH	
40"	10,56	63,39	XH	
42"	11,08	66,50	XH	
44"	11,62	69,70	XH	
46"	12,17	72,90	XH	
48"	12,67	76,07	XH	

revised by charity the ball on behalf of

ATTACHMENT 4

TECTUBI

BURSTING TEST QUALIFICATION
RANGE
ON L.R. WELDED ELBOWS
TWO EQUAL SHELLS

TAB. 1.0

REV. 2

BURSTING SAMPLES (campioni per prova)

W ELBOW 90° L.R.	1" W.TH. 2 mm.	Cert. No. 22747	✓
W ELBOW 90° L.R.	2" W.TH. 2 mm.	Cert. No. 21811	✓
W ELBOW 90° L.R.	3" W.TH. 2.6 mm.	Cert. No. 22080	✓
W ELBOW 90° L.R.	4" Sch. 10S	Cert. No. 22746	✓
W ELBOW 90° L.R.	14" STD	Cert. No. 20602	✓
W ELBOW 90° L.R.	24" STD	Cert. No. 22748	✓
W ELBOW 90° L.R.	12" XH	Cert. No. 32922	✓
W ELBOW 90° L.R.	30" STD	Cert. No. 35057	✓

0400298.2

ATTACHMENT 4

TECTUBI

BURSTING TEST QUALIFICATION
RANGE
ON WELDED L.R. ELBOWS
TYPE TWO EQUAL SHELLS

TAB. 1.0
REV. 2

T.O.

O. D.	W.T.H.		SCHEDULE	
	MIN.	MAX.	ANSI B36.10	ANSI B36.19
1/2"	0,64	3,83	STD-XH-40-80	5S-10S-40S-80S
3/4"	0,80	4,80	STD-XH-40-80	5S-10S-40S-80S
1"	0,55	6,00	STD-XH-40-80	5S-10S-40S-80S
1.1/4"	0,70	7,58	STD-XH-40-80-160	10S-40S-80S
1.1/2"	0,71	8,68	STD-XH-40-80-160	5S-10S-40S-80S
2"	0,80	10,83	STD-XH-40-80-160	5S-10S-40S-80S
2.1/2"	0,97	7,26	STD-XH-40-80	5S-10S-40S-80S
3"	1,18	8,85	STD-XH-40-80	5S-10S-40S-80S
3.1/2"	1,36	10,11	STD-XH-40-80	5S-10S-40S-80S
4"	1,52	11,37	STD-XH-40-80-120	5S-10S-40S-80S
5"	1,88	12,40	STD-XH-40-80	5S-10S-40S-80S
6"	2,25	19,79	STD-XH-40-80-120-160	5S-10S-40S-80S
8"	2,92	25,77	STD-XH- 20 TO 160	10S-40S-80S
10"	3,66	32,12	STD-XH- 20 TO 160	10S-40S-80S
12"	2,53	38,09	STD-XH- 20 TO 160	5S-10S-40S-80S
14"	2,77	41,82	STD-XH- 10 TO 160	5S-10S
16"	2,52	47,80	STD-XH- 10 TO 160	5S-10S
18"	2,83	53,77	STD-XH- 10 TO 160	5S-10S
20"	3,15	59,75	STD-XH- 10 TO 160	5S-10S
22"	3,49	65,73	STD-XH- 10 TO 160	5S-10S
24"	3,80	71,70	STD-XH- 10 TO 160	5S-10S
26"	4,12	53,04	STD - XH - 10 - 20	5S-10S

20-03-1989

000299.2

ATTACHMENT 4

TECTUBI

BURSTING TEST QUALIFICATION
RANGE
ON WELDED L.R. ELBOWS
TYPE TWO EQUAL SHELLS

TAB. 1.0

REV. 2

O. D.	W.T.H.		S C H E D U L E	
	MIN.	MAX.	ANSI B36.10	ANSI B36.19
28"	4,44	57,12	STD-XH-10-20-30	5S-10S
30"	4,76	35,70	STD-XH-10-20-30	5S-10S
32"	5,07	38,08	STD-XH-10-20-30-40	
34"	5,39	40,46	STD-XH-10-20-30-40	
36"	5,71	42,85	STD-XH-10-20-30-40	
38"	6,03	45,22	STD - XH	
40"	6,35	47,60	STD - XH	
42"	6,66	49,98	STD - XH	
44"	6,98	52,36	STD - XH	
46"	7,30	54,74	STD - XH	
48"	7,62	57,12	STD - XH	
50"	7,87	47,60	STD - XH	
52"	8,25	49,50	STD - XH	
54"	8,56	51,40	STD - XH	
56"	8,88	53,31	STD - XH	
58"	9,13	55,21	STD - XH	
60"	9,52	57,12	STD - XH	

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ATTACHMENT 5

TECTUBI S.p.A.

BURSTING TEST QUALIFICATION
RANGE
FOR T E E S

TAB. 1.0

REV. 4

BURSTING SAMPLES (campioni per prova)

TEE DIAM. 1"	sch10S	Cert. No. 21388	✓
TEE DIAM. 1"	sch80	Cert. No. 33410	✓✓
TEE DIAM. 4"	sch10S W	Cert. No. 36140	✓
TEE DIAM. 4"	XH	Cert. No. 21528	✓
TEE DIAM. 8"	sch10S	Cert. No. 19082	✓
TEE DIAM. 12"	sch80	Cert. No. 21529	✓✓
TEE DIAM. 12"	sch80 LL.RR.	Cert. No. 1/84	✓✓
TEE DIAM. 18"	XH	Cert. No. 20914	✓✓
TEE DIAM. 30"	STD	Cert. No. 20600	✓✓
TEE DIAM. 14"	sch100	Cert. No. 33496	✓✓
TEE DIAM. 2"	sch80	Cert. No. 1/81	✓✓
TEE DIAM. 3"	sp.2	Cert. No. 1/80	✓✓
TEE DIAM. 4"	STD	Cert. No. 2/83	✓✓
TEE DIAM. 4"	sp.6.02	Cert. No. 2/80	✓✓
TEE DIAM. 6"	STD	Cert. No. 3/80	✓✓
TEE DIAM. 8"	STD	Cert. No. 3/83	✓✓
TEE DIAM. 10"	STD	Cert. No. 1/83	✓✓
TEE DIAM. 16"	STD	Cert. No. 5/80	✓✓
TEE DIAM. 18"	sch10S	Cert. No. 10/80	✓✓
TEE DIAM. 18"	STD	Cert. No. 4/83	✓✓
TEE DIAM. 24"	XH	Cert. No. 2/81	✓✓
TEE DIAM. 10"x4"	sch20xSTD	Cert. No. 4/80	✓✓
TEE DIAM. 42"x16"	sp.19.06x10.3	Cert. No. 5/81	✓✓
TEE DIAM. 30"	12.7mm	Cert. No. 1961	✓

18-05-1988

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ATTACHMENT 5

TECTUBI S.p.A.

BURSTING TEST QUALIFICATION
RANGE
FOR TEES

TAB. 1.0
REV. 5

T.O.

O. D.	W.T.H.		SCHEDULE	
	MIN.	MAX.	ANSI B36.10	ANSI B36.19
1 1/2"	0.88	8.71	STD-XH-XXH-40-80-160	5S-10S-40S-80S
3/4"	1.11	10.91	STD-XH-XXH-40-80-160	5S-10S-40S-80S
1"	1.38	13.65	STD-XH-XXH-40-80-160	5S-10S-40S-80S
1 1/4"	1.75	17.25	STD-XH-XXH-40-80-160	10S-40S-80S
1.1/2"	0.54	19.74	STD-XH-XXH-40-80-160	5S-10S-40S-80S
2"	0.67	24.64	STD-XH-XXH-40-80-160	5S-10S-40S-80S
2.1/2"	0.81	20.08	STD-XH-XXH-40-80-160	5S-10S-40S-80S
3"	0.99	24.40	STD-XH-XXH-40-80-160	5S-10S-40S-80S
3.1/2"	1.13	27.94	STD-XH-40-80	5S-10S-40S-80S
4"	0.98	31.40	STD-XH-XXH-40-80-120-160	5S-10S-40S-80S
5"	1.21	31.75	STD-XH-XXH-40-80-120-160	5S-10S-40S-80S
6"	1.44	37.81	STD-XH-XXH-40-80-120-160	5S-10S-40S-80S
8"	1.88	49.23	STD-XH-XXH-20 TO 160	5S-10S-40S-80S
10"	1.89	54.90	STD-XH-XXH-20 TO 160	5S-10S-40S-80S
12"	2.24	65.11	STD-XH-XXH-20 TO 160	5S-10S-40S-80S
14"	2.46	71.48	STD-XH- 10 TO 160	5S-10S-40S-80S
16"	2.54	81.70	STD-XH- 10 TO 160	5S-10S-40S-80S
18"	2.85	91.91	STD-XH- 10 TO 160	5S-10S-40S-80S
20"	3.17	102.12	STD-XH- 10 TO 160	5S-10S-40S-80S
22"	3.49	112.34	STD-XH- 10 TO 160	5S-10S-40S-80S
24"	3.81	122.55	STD-XH- 10 TO 160 ^{upto 4.8" wall}	5S-10S-40S-80S
26"	4.12	132.76	STD-XH-10-20 ^{upto 5.22" wall}	

18-05-1988

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0400299.2

ATTACHMENT 5

TECTUBI S.p.A.	BURSTING TEST QUALIFICATION RANGE FOR TEES	TAB. 1.0 REV. 45 ⁹
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O. D.	W.T.H. MIN.	W.T.H. MAX.	SCHEDULE ANSI B36.10 ANSI B36.19
28"	4.44	142.97	STD-XH-10-20-30 up to 5.62" wall
30"	4.76	63.50	STD-XH-10-20-30 up to 2.5" wall 5S-10S-40S-80S
32"	5.08	67.73	STD-XH-10-20-30-40 up to 2.46" wall
34"	5.39	71.97	STD-XH-10-20-30-40 up to 2.833" wall
36"	5.71	76.20	STD-XH-10-20-30-40 up to 3" wall
38"	6.03	60.10	STD-XH up to 2.366" wall
40"	6.34	63.39	STD-XH up to 2.495" wall
42"	6.66	66.51	STD-XH up to 2.618" wall
44"	6.98	69.73	STD-XH up to 2.745" wall
46"	7.30	72.90	STD-XH up to 2.870" wall
48"	7.62	76.07	STD-XH up to 2.994" wall
50"	7.93	79.25	up to 2.5" wall
52"	8.25	82.43	STD-XH up to 2.600" wall
54"	8.57	85.60	STD-XH up to 2.700" wall
56"	8.88	88.78	STD-XH up to 2.799" wall
58"	9.20	91.96	up to 2.899" wall
60"	9.52	95.14	STD-XH up to 3" wall

Revised by Charity Halsall
on behalf of Tectubi
08.23.07

18-05-1988

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0400299.2

ATTACHMENT 6

TECTUBI S.p.A.

**BURSTING TEST QUALIFICATION
RANGE on CONC. REDUCERS
ANSI SHAPE**

TAB. 1.0

Rev. 1

Sh. 1 / 5

BURSTING SAMPLES (campioni per prova)

- CONC RED.	DIAM.	2" x 1"	sch.80	- Cert.	32316	✓✓
- CONC RED.	DIAM.	4" x 2"	STD	Cert.	33409	✓✓
- CONC RED.	DIAM.	4" x 3"	sch.10S	Cert.	36057	✓✓
- CONC RED.	DIAM.	12" x 10"	XH	Cert.	33481	✓✓
- CONC RED.	DIAM.	16" x 14"	sch20	Cert.	36060	✓✓
- CONC RED.	DIAM.	20" x 16"	STD	Cert.	36381	✓✓
- CONC RED.	DIAM.	14" x 12"	sch100	Cert.	34091	✓✓
- CONC RED.	DIAM.	12" x 6"	XH	Cert.	33674	✓✓
- CONC RED.	DIAM.	20" x 10"	sch10/20	Cert.	32754	✓✓
- CONC RED.	DIAM.	30" x 18"	STD	Cert.	34643	✓✓
- CONC RED.	DIAM.	4" x 2"	XH	Cert.	50527	✓✓
- CONC RED.	DIAM.	1" x 1/2"	STD	Cert.	34840	✓✓

0200299

ATTACHMENT 6

TECTUBI S.p.A.

BURSTING TEST QUALIFICATION
RANGE
CONCENTRIC REDUCERS
ANSI SHAPE
"LARGE END"

TAB. 1.0
Rev. 1
Pag./Sh.
2 / 5

O. D.	W.th. Min.	W.th. Max.	SCHEDULE	
			ANSI B16.10	ANSI B36.19
1/2"	1,07	6,46	STD - XH - 40-80-160	10S-40S-80S
3/4"	1,35	8,10	STD - XH - XXH-40-80-160	10S-40S-80S
1"	1,53	10,13	STD - XH - XXH-40-80-160	5S-10S-40S-80S
1.1/4"	1,94	12,81	STD - XH - XXH-40-80-160	10S-40S-80S
1.1/2"	2,21	14,66	STD - XH - XXH-40-80-160	10S-40S-80S
2"	0,80	18,30	STD - XH - XXH-40-80-160	5S-10S-40S-80S
2.1/2"	0,97	20,12	STD - XH - XXH-40-80-160	5S-10S-40S-80S
3"	1,18	24,40	STD - XH - XXH-40-80-160	5S-10S-40S-80S
3.1/2"	1,35	28,00	STD-XH-40-80	5S-10S-40S-80S
4"	1,52	31,47	STD-XH-XXH-40-80-120-160	5S-10S-40S-80S
5"	1,88	31,74	STD-XH-XXH-40-80-120-160	5S-10S-40S-80S
6"	2,24	37,81	STD-XH-XXH-40-80-120-160	5S-10S-40S-80S
8"	2,12	49,22	STD-XH-XXH- 20 TO 160	5S-10S-40S-80S
10"	1,70	54,90	STD-XH-XXH- 20 TO 160	5S-10S-40S-80S
12"	2,02	65,11	STD-XH-XXH- 20 TO 160	5S-10S-40S-80S
14"	2,22	71,48	STD-XH- 10 TO 160	5S - 10S
16"	2,52	81,70	STD-XH- 10 TO 160	5S - 10S
18"	2,83	91,91	STD-XH- 10 TO 160	5S - 10S
20"	3,15	102,12	STD-XH- 10 TO 160	5S - 10S
22"	3,49	112,34	STD-XH- 10 TO 160	5S - 10S
24"	3,80	122,55	STD-XH- 10 TO 160	5S - 10S
26"	4,12	132,76	STD - XH - 10 - 20	5S - 10S
28"	4,44	142,97	STD - XH - 10 - 20 - 30	5S - 10S
30"	4,76	44,50	STD - XH - 10 - 20 - 30	
32"	5,07	47,57	STD - XH - 10 - 20 - 30 - 40	
34"	5,39	48,53	STD - XH - 10 - 20 - 30 - 40	
36"	5,71	51,39	STD - XH - 10 - 20 - 30 - 40	0200299.2
38"	6,03	54,24	STD - XH	
40"	6,35	57,10	STD - XH	
42"	6,66	39,98	STD - XH	
44"	6,98	41,89	STD - XH	
46"	7,30	43,79	STD - XH	
48"	7,62	45,69	STD - XH	
50"	7,87	47,60	STD - XH	
52"	8,25	49,50	STD - XH	
54"	8,56	51,40	STD - XH	
56"	8,88	53,31	STD - XH	
58"	9,13	55,21	STD - XH	
60"	9,52	57,12	STD - XH	

ATTACHMENT 7

TECTUBI S.r.l.

BURSTING TEST QUALIFICATION RANGE ECCENTRIC REDUCERS - ANSI SHAPE

Tab. 1.0
Rev. 0
Sheet 1 / 5

BURSTING SAMPLES (Campione per prove)

1. ECC. RED. Ø 3" x 1.1/2	Sch. 80	Cert. N° 3/84	✓	✓
2. ECC. RED. Ø 12" x 6"	Sch. 80	Cert. N° 2/84	✓	✓
3. ECC. RED. Ø 4" x 3"	STD	Cert. N° 3/82	✓	✓
4. ECC. RED. Ø 16" x 12"	W.th 9.52	Cert. N° 2/82	✓	✓
5. ECC. RED. Ø 30" x 24"	STD	Cert. N° 4/82	✓	✓
6. ECC. RED. Ø 12" x 10"	STD	Cert. N° 36054	✓	✓
7. ECC. RED. Ø 12" x 6"	STD	Cert. N° 37154	✓	✓
8. ECC. RED. Ø 20" x 10"	Sch 10 / 20	Cert. N° 32752	✓	✓
9. ECC. RED. Ø 14" x 12"	Sch 100	Cert. N° 34092	✓	✓
10. ECC RED 2" x 1"	STD	Cert N. 1966	✓	✓
11. ECC RED 4" x 2"	XH	Cert N. 1967	✓	✓
12. ECC RED 12" x 6"	XH	Cert N. 1968	✓	✓
13. ECC RED 30" x 16"	XH	Cert N. 1969	✓	✓

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ATTACHMENT 7

TECTUBI S.r.l.

BURSTING TEST QUALIFICATION
RANGE
ECCENTRIC REDUCERS
ANSI SHAPE
"LARGE END"

TAB. 1.1
Rev. 01
Pag./Sh.
2 / 5

O. D.	W.th. Min.	W.th. Max.	SCHEDULE	
			ANSI B16.10	ANSI B36.19
1/2"			STD-XH- -40-80-160	
3/4"			XH- -80-160	
1"	1.083	6.497	STD-XH-XXH-40-80-160-	5S-10S-40S-80S
1.1/4"	1.368	8.209	STD-XH-XXH-40-80-160-	5S-10S-40S-80S
1.1/2"	1.652,07	12,42	STD-XH-XXH-40-80-160-	5S-10S-40S-80S
2"	1,58	15,5	STD-XH-XXH-40-80-160-	10S-40S-80S
2.1/2"	1,92	18,77	STD-XH-XXH-40-80-160-	10S-40S-80S
3"	2,34	22,86	STD-XH-XXH-40-80-160-	10S-40S-80S
3.1/2"	2,67	26,12	STD-XH-XXH-40-80-160-	10S-40S-80S
4"	3	29,39	STD-XH-XXH-40-80-120-160-	10S-40S-80S
5"	3,72	36,33	STD-XH-XXH-40-80-120-160-	10S-40S-80S
6"	2,47	43,27	STD-XH-XXH-40-80-120-160-	10S-40S-80S
8"	2,56	49,23	STD-XH-XXH-20 TO 160	5S-10S-40S-80S
10"	3,2	44,21	STD-XH-XXH-20 TO 160	5S-10S-40S-80S
12"	3,79	52,44	STD-XH-XXH-20 TO 160	5S-10S-40S-80S
14"	4,16	57,59	STD-XH-10 TO 160	5S-10S-40S-80S
16"	2,5	65,82	STD-XH-10 TO 160	10S
18"	2,8	74,05	STD-XH-10 TO 160	5S-10S
20"	3,1	82,27	STD-XH-10 TO 160	5S-10S
22"	3,49	90,5	STD-XH-10 TO 160	5S-10S
24"	3,7	98,73	STD-XH-10 TO 160	5S-10S
26"	4,09	46,4	STD-XH-10 TO 160	5S-10S
28"	4,4	49,97	STD-XH-10-20	
30"	4,7	53,54	STD-XH-10-20-30	
32"	5,03	57,11	STD-XH-10-20-30	5S-10S
34"	5,3	43,20	STD-XH-10-20-30-40	
36"	5,6	45,70	STD-XH-10-20-30-40	
38"	5,9	48,25	STD-XH-10-20-30-40	
40"	6,2	50,80	STD-XH-up to 1.899" wall	
42"	6,6	53,35	STD-XH-up to 2" wall	
44"	6,9	55,90	STD-XH-up to 2.100" wall	
46"	7,29	58,40	STD-XH-up to 2.200" wall	
48"	7,5	60,95	STD-XH-up to 2.299" wall	
52"	8,1	66,05	STD-XH-up to 2.399" wall	
54"	8,56	68,60	STD-XH-up to 2.600" wall	
56"	8,8	71,10	STD-XH-up to 2.700" wall	
60"	9,4	76,20	STD-XH-up to 2.799" wall	
			STD-XH-up to 3" wall	

Revised by Charity Halsall

on behalf of Tectubi

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ATTACHMENT 8

TECTUBI S.p.A.

BURSTING TEST QUALIFICATION
RANGE
ON CAPS

TAB. 1.0

REV. 2

BURSTING SAMPLES (campioni per prova)

CAP DIAM. 1" sch10S	Cert. No. 21416	✓	✓
CAP DIAM. 3" sch10S	Cert. No. 21043	✓	✓
CAP DIAM. 4" XH	Cert. No. 21112	✓	✓
CAP DIAM. 8" XH	Cert. No. 17810	✓	✓
CAP DIAM. 12" sch10S	Cert. No. 17700	✓	✓
CAP DIAM. 30" STD	Cert. No. 20601	✓	✓
CAP DIAM. 1½" sch80 (LL.RR)	Cert. No. 6/84	✓	✓
CAP DIAM. 6" sch80 (LL.RR)	Cert. No. 5/84	✓	✓
CAP DIAM. 12" sch80 (LL.RR)	Cert. No. 4/84	✓	✓
CAP DIAM. 30" 12.7mm	Cert. No. R73	✓	✓

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29-03-1985

Pag. 1

CAPS

1075

ATTACHMENT 8

TECTUBI S.p.A.

BURSTING TEST QUALIFICATION
RANGE
FOR CAPS

TAB. 1.0

REV. 3

O. D.	W.T.H.		SCHEDULE	
	MIN.	MAX.	ANSI B36.10	ANSI B36.19
1/2"	0,88	5,33	STD-XH-40-80-160	5S-10S-40S-80S
3/4"	1,11	8,42	STD-XH-XXH-40-80-160	5S-10S-40S-80S
1"	1,38	10,54	STD-XH-XXH-40-80-160	5S-10S-40S-80S
1.1/4"	1,74	13,32	STD-XH-XXH-40-80-160	10S-40S-80S
1.1/2"	0,83	15,24	STD-XH-XXH-40-80-160	5S-10S-40S-80S
2"	1,03	19,03	STD-XH-XXH-40-80-160	5S-10S-40S-80S
2.1/2"	1,25	28,05	STD-XH-XXH-40-80-160	5S-10S-40S-80S
3"	1,52	19,97	STD-XH-XXH-40-80-160	5S-10S-40S-80S
3.1/2"	1,74	22,83	STD-XH-40-80	5S-10S-40S-80S
4"	1,96	25,68	STD-XH-XXH-40-80-120-160	5S-10S-40S-80S
5"	2,42	31,75	STD-XH-XXH-40-80-120-160	5S-10S-40S-80S
6"	1,18	37,81	STD-XH-XXH-40-80-120-160	5S-10S-40S-80S
8"	1,54	49,23	STD-XH-XXH- 20 TO 160	5S-10S-40S-80S
10"	1,93	53,38	STD-XH-XXH- 20 TO 160	5S-10S-40S-80S
12"	2,28	63,32	STD-XH-XXH- 20 TO 160	5S-10S-40S-80S
14"	2,51	61,84	STD-XH- 10 TO 160	5S-10S-40S-80S
16"	2,54	70,67	STD-XH- 10 TO 160	5S-10S-40S-80S
18"	2,85	74,06	STD-XH- 10 TO 160	5S-10S-40S-80S
20"	3,17	82,3	STD-XH- 10 TO 160	5S-10S-40S-80S
22"	3,49	90,52	STD-XH- 10 TO 160	5S-10S-40S-80S
24"	3,8	98,75	STD-XH- 10 TO 160	5S-10S-40S-80S
26"	4,12	24,75	STD -XH - 10 - 20	

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ATTACHMENT 8

TECTUBI S.p.A.

BURSTING TEST QUALIFICATION
RANGE
FOR CAPS

TAB. 1.0

REV. 2 (3)

O. D.	W.T.H.		SCHEDULE	
	MIN.	MAX.	ANSI B36.10	ANSI B36.19
28"	4,44	26,66	STD-XH-10-20-30	
30"	4,76	28,56	STD-XH-10-20-30	5S-10S-40S-80S
32"	5,07	30,46	STD-XH-10-20-30-40	
34"	5,39	32,37	STD-XH-10-20-30-40	
36"	5,71	34,27	STD-XH-10-20-30-40	
38"	6,03	36,18	STD-XH	
40"	6,34	38,04	STD-XH	
42"	6,66	39,96	STD-XH	
44"	6,98	41,88	STD-XH	
46"	7,29	43,74	STD - XH	
48"	7,61	45,66	STD - XH	
50"	7,93	47,58		
52"	8,25	49,5	STD - XH	
54"	8,56	51,36	STD - XH	
56"	8,88	53,28	STD - XH	
58"	9,2	55,2		
60"	9,52	57,12	STD - XH	

Revised by Chaitry Halsall
on behalf of Tectubi

08.23.07

29-03-1985

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