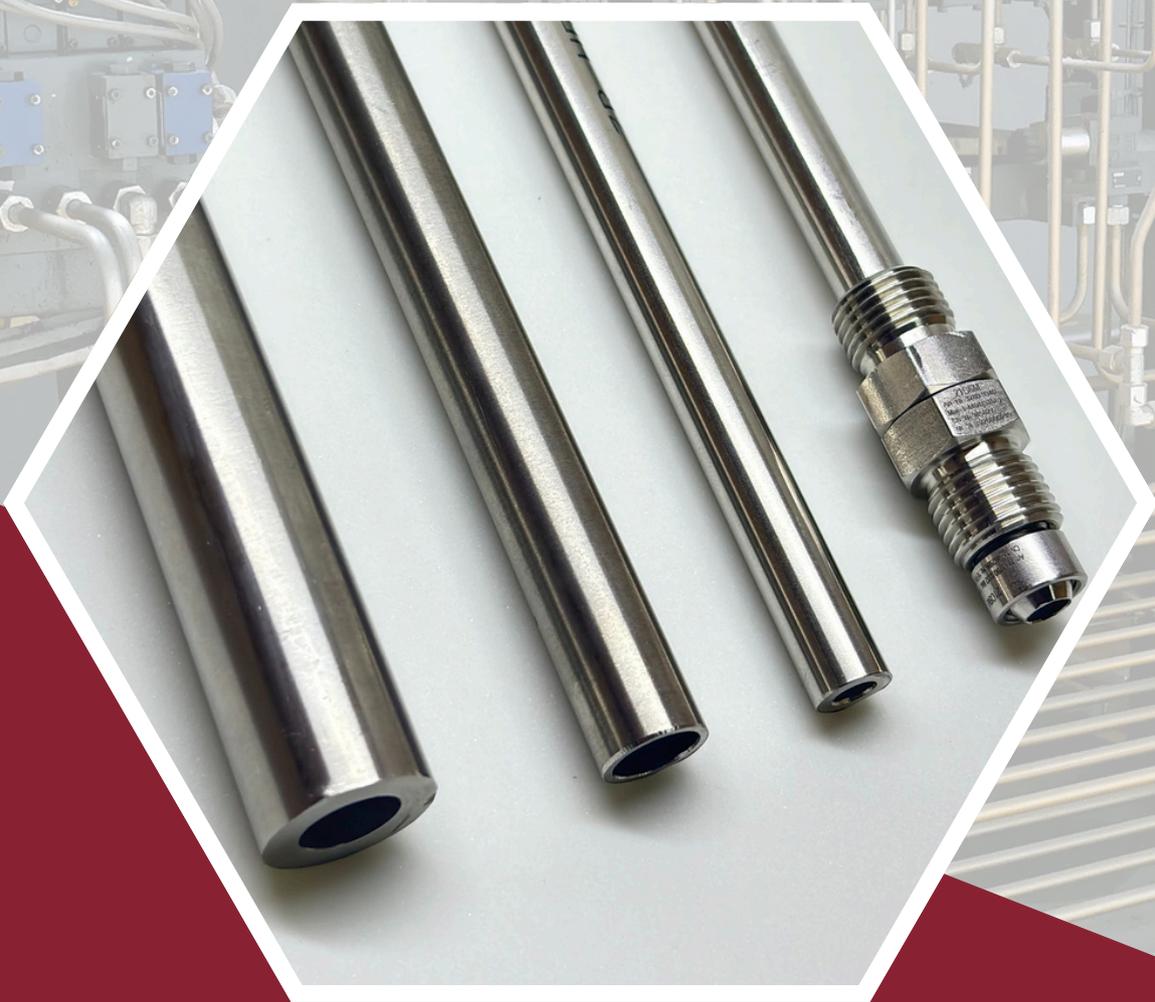




Emirerri

“Strength in Steel, Trust in Quality”

Ultra High Pressure Tubing



www.emirerristeel.com

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Introduction

Ultra high pressure tubes have a yield strength of 40% higher than normal annealed tubes. To ensure tight tolerance and outstanding internal surface quality, these tubes are strictly produced to high pressure application specs and standards.



Model	Press (PSI)	Size	Size (mm)		WT (mm)	Flow Area (mm ²)	Working Pressure (bar)				
			OD	ID			-17.8 ~ 37.8 °C 0 ~ 100 °F	93 °C 200 °F	204 °C 400 °F	316 °C 600 °F	343 °C 650 °F
11-ESM02	11000 psi	1/8	3.18	1.57	0.81	1.94	803.23	803.23	761.86	517.10	379.21
11-ESM04	11500 psi	1/4	6.35	3.18	1.57	7.74	803.23	775.65	775.65	496.41	361.97
75-ESM06	7500 psi	3/8	9.53	6.35	1.57	31.61	517.10	730.83	730.83	468.84	341.29
55-ESM08	5500 psi	1/2	12.7	9.53	1.57	70.97	379.21	679.12	679.12	434.36	317.15
							-198 ~ 37.8 °C -325 ~ 100 °F	93 °C 200 °F	204 °C 400 °F	316 °C 600 °F	427 °C 800 °F
20-ESM04	20000 PSI	1/4	6.35	2.77	1.78	5.81	1378.93	1378.93	1327.22	1244.48	1158.30
20-ESM06		3/8	9.53	5.16	2.18	20.65	1378.93	1378.93	1327.22	1244.48	1158.30
20-ESM09		9/16	14.29	7.92	3.18	49.03	1378.93	1378.93	1327.22	1244.48	1158.30
20-ESM10		3/4	19.05	11.13	3.96	97.42	1378.93	1378.93	1327.22	1244.48	1158.30
20-ESM12		1	25.4	14.27	5.56	160.0	1378.93	1378.93	1327.22	1244.48	1158.30
30-ESM04	30000 PSI	1/8	3.18	1.02	1.08	-	-	-	-	-	-
30-ESM06		1	25.4	11.1	7.15	-	-	-	-	-	-
60-ESM04	60000 PSI	1/4	6.35	2.11	2.11	3.23	4136.79	4136.79	3981.66	3740.35	3495.59
60-ESM06		3/8	9.53	3.18	3.18	7.74	4136.79	4136.79	3981.66	3740.35	3495.59
60-ESM09		9/16	14.29	4.78	4.75	18.06	4136.79	4136.79	3981.66	3740.35	3495.59
100-ESM04	100000 PSI	1/4	6.35	1.59	2.38	3.23	6894.64	6894.64	6633.24	6230.55	5820.46
100-ESM06	100000 PSI	3/8	9.53	1.90	3.81	7.74	6894.64	6894.64	6633.24	6230.55	5820.46
150-ESM04	100000 PSI	3/8	9.53	1.56	3.99	7.74	10341.97	10341.97	9955.87	9400.85	8738.97

Welded Tubes

For welding and stretching tubing, a rating reduction factor must be added to achieve weld integrity.

- For double-sided welded tubing, the working pressure should be multiplied by 0.85
- For single-sided welded tubing, the working pressure should be multiplied by 0.85

1 MPa = 10 kg/cm²
1 MPa = 145 psi
1 MPa = 10 bar

mm	Tube Wall Thickness MM													
	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	2.8	3.0	3.5	4.0	4.5	5.0
	Working Pressure (bar) Note: For Gas Supply Services, Please Select a tubing wall thickness outside the large shaded area													
3	670	-	-	-	-	-	-	-	-	-	-	-	-	-
6	310	420	540	710	-	-	-	-	-	-	-	-	-	-
8	-	310	390	520	-	-	-	-	-	-	-	-	-	-
10	-	240	300	400	510	580	-	-	-	-	-	-	-	-
12	-	200	250	330	410	470	-	-	-	-	-	-	-	-
14	-	160	200	270	340	380	430	-	-	-	-	-	-	-
15	-	150	190	250	310	360	400	-	-	-	-	-	-	-
16	-	-	170	230	290	330	370	400	-	-	-	-	-	-
18	-	-	150	200	260	290	320	370	-	-	-	-	-	-
20	-	-	140	180	230	260	290	330	380	-	-	-	-	-
22	-	-	140	160	200	230	260	290	340	-	-	-	-	-
25	-	-	-	-	180	200	230	260	290	320	-	-	-	-
28	-	-	-	-	-	180	200	230	260	280	330	-	-	-
30	-	-	-	-	-	170	180	210	240	260	310	-	-	-
32	-	-	-	-	-	160	170	220	220	240	290	330	-	-
38	-	-	-	-	-	-	140	190	190	200	240	270	310	-
50	-	-	-	-	-	-	-	-	-	150	180	210	240	270

Quality Control

TÜV Rheinland Group

Fahrzeugtyp / Typ
Vehicle type / Type : HR31603

Hersteller
Manufacturer : **EMIRERRI**

Prüfbericht Nr.
Test Report No.: 215X50146-00



PRÜFBERICHT / TEST REPORT
based on ISO 11114-4:2017

gemäß Richtlinie des(der) Europäischen Parlaments / Rates / Kommission
according to the European Parliament / Council / Commission Directive

VO (EG) Nr. 79/2009 und / and VO (EU) Nr. 406/2010
einschließlich aller Änderungen bis / as last amended by
14.01.2009 (79/2009) and 26.04.2010 (406/2010)

Genehmigungsstand
Approval Status

EU-Typgenehmigung
EU-type approval : n/a

UN-Genehmigung
UN-approval : n/a

Gliederung des Prüfberichts
Structure of the Test Report
Abschnitt Nr.
Section no.

1. Allgemeine Angaben
2. General information
3. Prüfobjekt(e) / object(s)
4. Tested vehicle(s)/object(s)
5. Prüfprotokoll
6. Test record
7. Anlagen
8. Appendices
9. Schlussbescheinigung
10. Statement of conformity

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"Our company's Quality Inspection Department and Physical & Chemical Laboratory have introduced various advanced domestic and international testing and physico-chemical equipment, and strictly carry out inspection and physico-chemical testing work in accordance with standards."



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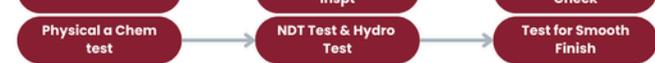
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