

Seamless Pressure Vessels for Gas Transportation

PROVEN RELIABILITY

TOP QUALITY

CUSTOMIZED SOLUTIONS

Tenaris has been manufacturing steel Gas Cylinders in Dalmine, Italy for more than 100 years. Tenaris produces high quality seamless steel tubes, with tight tolerances and large dimensions, on its Expander Mill. These tubes are transformed into large capacity pressure vessels on a state-of-the-art Hot Spinning Production Line.

Controlling the process, from scrap to finished cylinder, Tenaris offers customized dimensions and lengths to optimize your trailer design for safe and economic gas transportation.

Pressure vessels for transportation are manufactured under DOT – UN & ISO 11120 regulation.

EMBRITTLING GASES (H ₂ - CNG)							
Service Pressure 178 bar - 2580 psi*							
Outside Diameter**		Length**		Nominal Water Volume		Average Empty Weight	
[mm]	[in.]	[mm]	[ft.-in.]	[l]	[cu.ft.]	[kg]	[lbs]
559	22	3000	9-8	555	19,5	578	1271
559	22	5639	18-6	1139	40,2	1084	2385
559	22	6096	20	1239	43,7	1172	2578
559	22	10465	34-4	2205	77,8	2011	4425
559	22	10972	36	2317	81,8	2109	4640
559	22	11278	37	2405	84,9	2168	4769
559	22	11430	37-6	2418	85,3	2197	4833
559	22	11582	38	2453	86,6	2226	4897
559	22	11745	38-6	2487	87,8	2257	4966
559	22	12192	40	2586	91,3	2343	5155

Service Pressure 228 bar - 3300 psi*							
Outside Diameter**		Length**		Nominal Water Volume		Average Empty Weight	
[mm]	[in.]	[mm]	[ft.-in.]	[l]	[cu.ft.]	[kg]	[lbs]
559	22	3000	9-8	532	18,8	756	1664
559	22	5639	18-6	1096	38,7	1417	3117
559	22	6096	20	1193	42,1	1531	3369
559	22	10465	34-4	2126	75,1	2625	5775
559	22	10972	36	2235	78,9	2752	6054
559	22	11278	37	2300	81,2	2828	6223
559	22	11430	37-6	2332	82,4	2866	6306
559	22	11582	38	2365	83,5	2905	6390
559	22	11745	38-6	2400	84,7	2945	6480
559	22	12192	40	2495	88,1	3057	6726

(*) Customized pressures are available upon request.

(**) Customized diameters and lengths are available upon request.



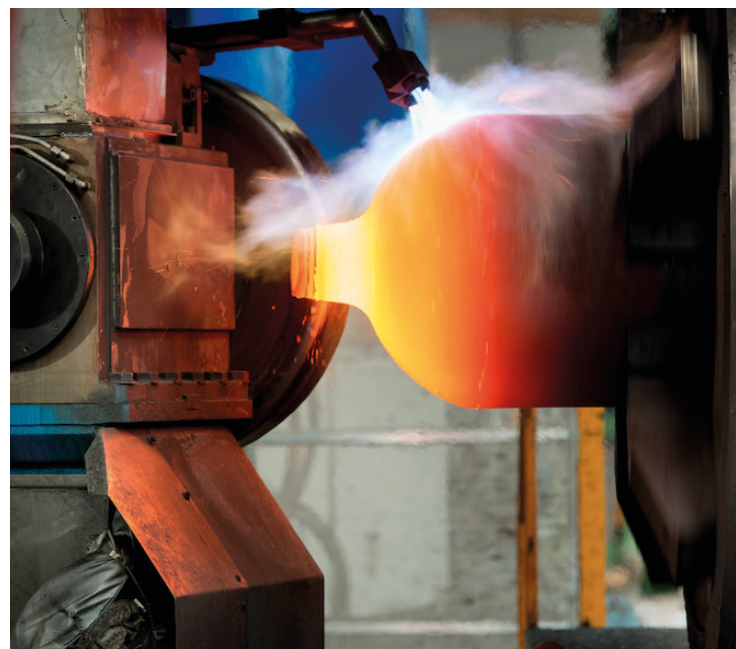
NON EMBRITTLING GASES (He - N₂ - O₂ - AIR)

Service Pressure 185 bar - 2685 psi*							
Outside Diameter**		Length**		Nominal Water Volume		Average Empty Weight	
[mm]	[in.]	[mm]	[ft.-in.]	[l]	[cu. ft.]	[kg]	[lbs]
559	22	3000	9-8	566	20	492	1083
559	22	5639	18-6	1158	40,9	926	2037
559	22	6096	20	1261	44,5	1001	2202
559	22	10465	34-4	2242	79,2	1721	3786
559	22	10972	36	2356	83,2	1804	3970
559	22	11278	37	2424	85,6	1855	4080
559	22	11430	37-6	2459	86,8	1880	4135
559	22	11582	38	2493	88	1905	4190
559	22	11745	38-6	2529	89,3	1931	4249
559	22	12192	40	2630	92,9	2005	4411

Service Pressure 218 bar - 3160 psi*							
Outside Diameter**		Length**		Nominal Water Volume		Average Empty Weight	
[mm]	[in.]	[mm]	[ft.-in.]	[l]	[cu.ft.]	[kg]	[lbs]
559	22	3000	9-8	555	19,6	577	1269
559	22	5639	18-6	1138	40,2	1084	2384
559	22	6096	20	1240	43,8	1171	2576
559	22	10465	34-4	2205	77,9	2010	4421
559	22	10972	36	2317	81,8	2107	4636
559	22	11278	37	2384	84,2	2166	4765
559	22	11430	37-6	2418	85,4	2195	4829
559	22	11582	38	2452	86,6	2224	4893
559	22	11745	38-6	2488	87,9	2255	4962
559	22	12192	40	2586	91,3	2341	5151

(*) Customized pressures are available upon request.

(**) Customized diameters and lengths are available upon request.



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