

SEAMLESS STEEL CYLINDERS Ø 355.6 up to 140 Lt. working pressure 300 bar



Seamless Steel Refillable Cylinders for compressed and mixed gases COMPLYING WITH 99/36/CE DIRECTIVE (T-PED)

REFERENCE TECHNICAL STANDARD:

EN 1964-1:1999

Water capacity [L]	$\begin{matrix} (-0) \\ (+5\%) \end{matrix}$	60	70	80	90	100	110	120	130	140
Nominal weight [kg.]		106	119	132	145	158	171	184	197	210
Length l [mm.] (± 20)		860	980	1100	1220	1340	1460	1580	1700	1820

Material: SEAMLESS STEEL TUBE 34CrMo4 (EN 10083-1)

MANUFACTURING DETAILS

MANUFACTURING PROCESS: HOT SPINNING OF SEAMLESS STEEL TUBE

HEAT TREATMENT: QUENCHING AND TEMPERING

MECHANICAL PROPERTIES (min.)

R _m [Mpa]	R _e [Mpa]	A ₅ [%]	KV IMPACT TEST AT -50 °C [J/cm ²]	
900	800	14	average on 3 specimens	single value
HRc = 27 ÷ 34			40	32

DESIGN DATA

NECK THREAD (Alternative thread to Customer's requirement)	Inl. thread	Ext. thread	Ø _e	Ø _i	h
	25E EN 629-1	-	40	-	≈ 25
	1" / 11.5 NGT	-	46	-	≈ 35
	-	2,5"/12UN-2A	-	48.8	≈ 60

MINIMUM EFFECTIVE THICKNESS for the cylindrical wall, net of tolerance: **12.3 mm**

Working pressure: up to 300 bar Test pressure = up to 450 bar Burst pressure: ≥ 720 bar

Working temperature: min. -50 °C; max +50 °C

Hydrogen, Carbon Monoxide and gases incompatible and/or corroding cylinder steel are excluded

