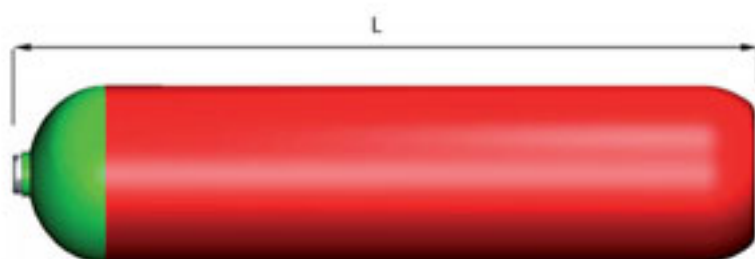


SEAMLESS STEEL CYLINDERS Ø 323,9 up to 120 Lt. working pressure 200 bar



Seamless Steel Refillable Cylinders for compressed, mixed and liquefied gases COMPLYING WITH 99/36/CE DIRECTIVE (T-PED)								
REFERENCE TECHNICAL STANDARD:				EN 1964-1:1999				
Water capacity [l.]	(-0) (+5%)	60	70	80	90	100	110	120
Nominal weight [kg.]		74	83	91	100	108	116	125
Length l [mm.] (±20)		940	1080	1210	1350	1480	1610	1750
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" NPTG	M45x2		42.4	33.23	≈ 23		
MINIMUM EFFECTIVE THICKNESS for the cylindrical wall, net of tolerance:							7.5 mm	
Working pressure: up to 200 bar			Test pressure = up to 300 bar			Burst pressure: ≥ 480 bar		
Working temperature: min. -50 °C; max +50 °C								
Filling ratio for liquefied gases: depending from type of gas Hydrogen, Carbon Monoxide and gases incompatible and/or corroding cylinder steel are excluded								

