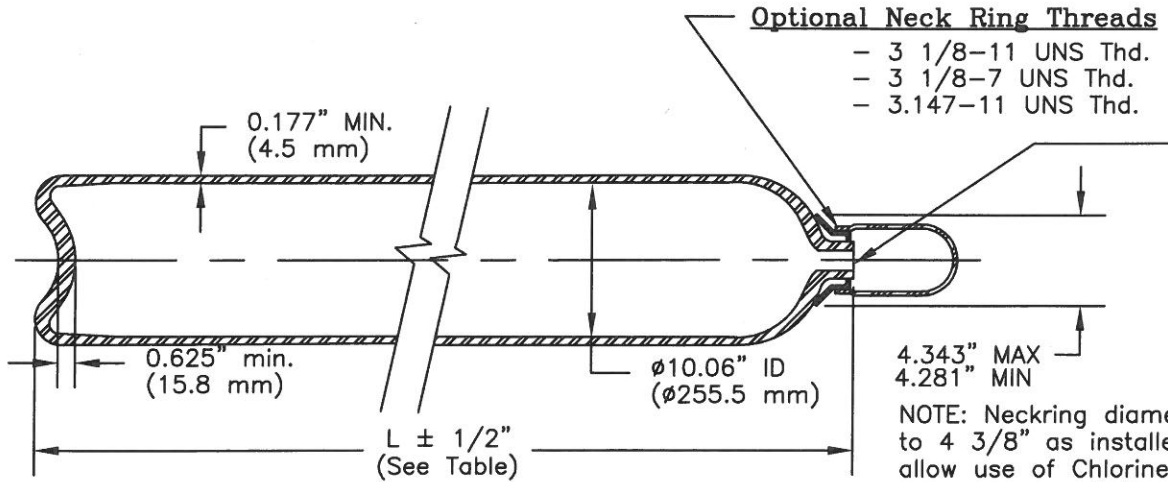


REV.	ECN - DESCRIP.	DATE	DRWN.	CHKD.	APP.
01	1247	3/27/95			
02	2896	9/02/09	JJM	SAM	
03	3034 - T.B. change	9/13/11	JJM		



3/4-14 NGT (10CL100C-3),
 1 -11 1/2 NGT (10CL150C-1),
 25E (10CL100C-25E FOR TC-SU10088,
 DIN 477 28,8 (10CL150C-D for TC-SU10088),
 OR COMPARABLE


4.343" MAX
 4.281" MIN

NOTE: Neckring diameter limited to 4 3/8" as installed to allow use of Chlorine Institute Emergency Kit "A" if used in Chlorine service.

CYLINDER MODEL	CYLINDER LENGTH "L"		MINIMUM WATER CAPACITY		APPROXIMATE CYLINDER WEIGHT	
	in	(mm)	in ³	(liter)	lbs	(kg)
10CL100C	34	(864)	2225	(36.4)	85	(38.6)
10CL150C	48	(1219)	3328	(54.4)	110	(49.9)

DRAWING FOR REFERENCE ONLY

SPECIFICATION: TC3AAM33 or TC-SU10088-33/DOT3AA480		3. Manufacture: Hot billet pierced followed by hot drawing.
1. Principal Elements: - TC Service pressure: 33 bar - DOT Service pressure: 480 psi (33.1 bar) - Min. Test pressure: 957 psi (66.0 bar)	4. Heat Treatment: Q & T	5. Norris Standard Mechanical Properties: - Tensile: ≥ 105,000 psi (724 MPa) - Elong.: ≥ 20% (on 2" gauge) - Flattening: to 6xt without cracks
2. Material: Chrome-Moly steel, (A.I.S.I. 4130X)		
D.O.T. Wall Stress Calculations: $S = P(1.3D^2 + 0.4d^2)/(D^2 - d^2)$		
S = Maximum wall stress, psi P = Test pressure, psi D = Outside diameter, inch d = Inside diameter, inch	$S = \frac{957 [1.3 (10.414)^2 + 0.4 (10.06)^2]}{(10.414)^2 - (10.06)^2}$ $s = 23,961 \text{ psi (165.2 MPa)}$	

 NORRIS CYLINDER COMPANY 4818 WEST LOOP 281 LONGVIEW, TEXAS 75603 USA		SEAMLESS STEEL 10CL150C CYLINDER FAMILY FOR CANADA		
				SCALE
DWN. BY	MBenham	7/20/93	901A-B-9242	03
CHK'D BY	RShafkey	7/20/93		
APP'D BY	BArnold	7/20/93	SHEET NO. 1	OF 1 SHEETS