

OPTIONAL:  
 3 1/2-11 RING  
 PER HV-A-0022  
 MATERIAL:  
 SCHEDULE 40  
 AUTHORIZED ONLY  
 ON DOT/TC 8 OR  
 8WM

## SPECIFICATIONS

SPECIFICATION	DOT-8	DOT-8AL
CYL. WATER CAP. (MIN)	16.80 LBS	16.80 LBS
(MAX)	466.0 IN <sup>3</sup>	466.0 IN <sup>3</sup>
CYL. SHELL WT (AVE.)	17.60 LBS	17.60 LBS
	489.00 IN <sup>3</sup>	489.00 IN <sup>3</sup>
WORKING PRESSURE	250 PSIG	250 PSIG
TEST PRESSURE	500-600 PSIG	500-600 PSIG
HYDROTEST PRESSURE	750 PSIG	750 PSIG
AVE. YIELD STRENGTH	24,000 PSI	24,000 PSI
AVE. TENSILE STRENGTH	44,000 PSI	46,000 PSI
MIN. TENSILE STRENGTH	---	45,292 PSI
MAX. CYL WALL STRESS	---	35,000 PSI
ACTUAL CYL. WALL STRESS	22,646 PSI	22,646 PSI
MATERIAL	SAE 1008	SAE 1008


CONFIDENTIAL  
DO NOT DUPLICATE

NON-CONTROLLED DOCUMENT  
QA/PC DEPARTMENT  
REFERENCE ONLY

**NOTES:**

1. THIS DIMENSION IS APPROXIMATE, CONTROL PARAMETER IS WATER CAPACITY.
2. VALVE HAS BEEN OMITTED FOR CLARITY.
3. CYLINDER IS NOT EQUIPPED WITH VALVE PROTECTION CAP.
4. WHEN ADDING CAP RING, MUST BE PRE-STAMPED USING BF-40 LAYOUT.

6	ADDED NOTE 6 & HV-A-0022	DLH	5/17/11
5	REV. LOGO	DLH	6/24/10
REV	DESCRIPTION	BY	DATE

DRWN. D. HARRIS CHKD. <i>[Signature]</i> 5/17/11 APPD. <i>[Signature]</i> 5/17/11 SCALE NONE	TOLERANCES (EXCEPT NOTED) DECIMAL ± .01 ANGULAR ± 1 DEG	 <b>NORRIS</b> CYLINDER <small>A TITAN Company</small>	HUNTSVILLE FACILITY <small>521 GREEN COVE ROAD HUNTSVILLE, AL 35803 USA</small> TITLE S-40, B, ACETYLENE CYLINDER DATE 1/29/97 DRAWING NUMBER HV-C-0040
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