

BORE DIAMETER: 2.00 IN. [50.8 MM]

PUSH AREA: 3.14 SQ.IN. [20.3 SQ.CM]

PULL AREA (EXCEPT AT MAX. CYL. EXTENSION):

2.35 SQ.IN. [15.1 SQ.CM]

PULL AREA AT MAX. CYL. EXTENSION: 1.91 SQ.IN. [12,3] SQ.CM]

MAXIMUM WORKING PRESSURE — 3500 PSI [241,3 BAR]

MAXIMUM PUSH FORCE ————— 10,990 LBS. [49]

MAXIMUM PULL FORCE — 8225 LBS. [3730 KG.]

**RECOMMENDED TEMPERATURE RANGE:**

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RECOMMENDED FLUID: MIL-H-5606 OR EQUIV.

RECOMMENDED PULL: MIN.  
MIN. ALLOWABLE PULL: MAX.

MIN. RELEASABLE TUG FORCE AT TUG  
20,000 LBS. [9072 KG]

20,000 LBS. LIFT/E ROLL  
FREIGHT LINER SYSTEM UTILIZES A .018 IN. 4

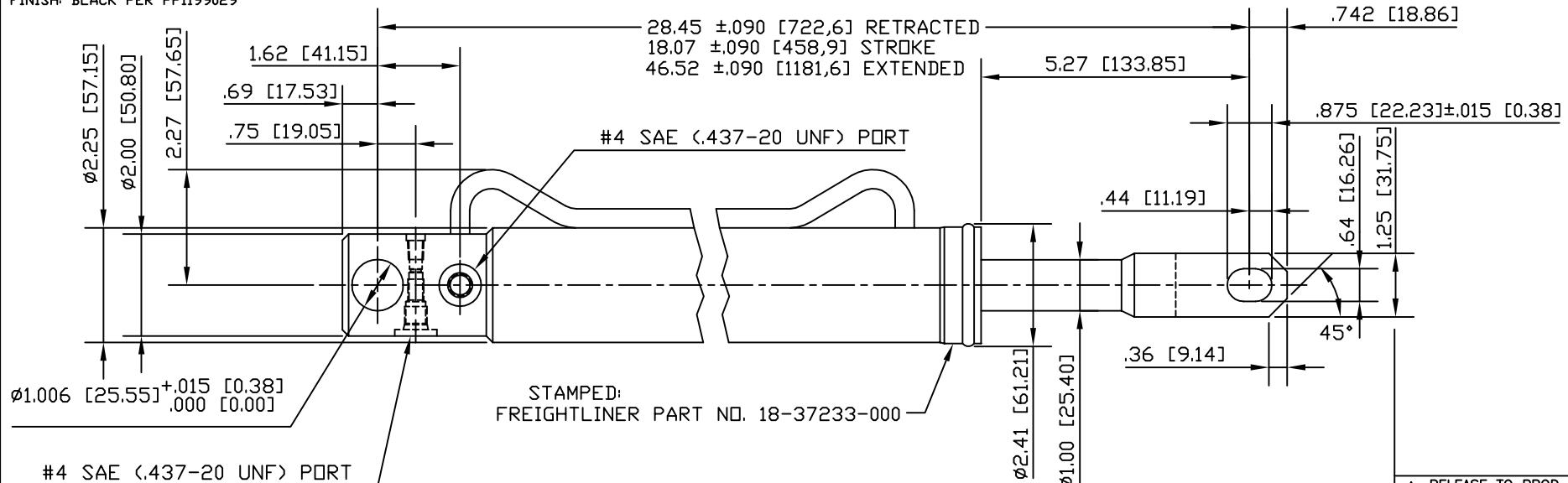
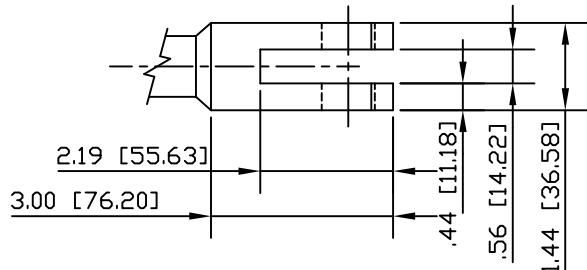
FREIGHTLINER SYSTEM UTILIZES A .018 IN. 48-DIAMETER ORIFICE IN RETURN LINE OF PUMP.

DIAMETER ORIFICE IN RETURN LINE OF PUMP.  
FINISH: BLACK PBR PB1189029

FINISH: BLACK PER PP1199029

THIS CYLINDER IS EQUIPPED WITH A VELOCITY FUSE  
LOCKING DEVICE IN BOTH THE PUSH AND PULL MODES.  
THE VELOCITY FUSE HAS BEEN PRESET TO ACTUATE BETWEEN  
1.1 TO 1.4 GPM [4.2-5.3 LPM] WHEN CYLINDER IS  
TESTED WITH MIL-H-5606 OIL OR EQUIVALENT AT 70° F.  
USING ANY OIL OTHER THAN MIL-H-5606 OR EQUIVALENT  
WILL CHANGE THE VELOCITY FUSE ACTUATION POINT AND  
MAY RESULT IN IMPROPER OPERATION OF THE CYLINDER.

CYLINDER TO BE SHIPPED FILLED WITH  
MIL-H5606 OIL OR EQUIVALENT.



UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS  
ARE NOMINAL AND MAY VARY DUE TO MANUFACTURING  
TOLERANCES AND ASSEMBLY TOLERANCE STACK-UP

DIMENSIONS IN BRACKETS ARE IN MM		SPECIFICATIONS		FINISH UNLESS SPECIFIED Ra <sub>μ</sub> [Ra <sub>μ</sub> m]		13000 WEST SILVER SPRING DR. BUTLER, WISCONSIN 53007	
<input checked="" type="checkbox"/> THIS IS AN AUTOCAD CONTROLLED DRAWING!  <input type="checkbox"/> THIS IS A PRO/ENGINEER DOCUMENT!		 <b>APTECH/POWER-PACKER</b> A UNIT OF APPLIED POWER INC. 		ALL ANGULAR DIMENSIONS ARE 3° UNLESS SPECIFIED		TITLE: INSTALLATION DWG., CYLINDER	
				SCALE 1:2	DO NOT SCALE DRAWING	DR. MM	DATE 4/17/98
WHERE USED (REF)	MODEL (REF)	DOS FILE		CH.	DATE	DRWG. NO.	
	CA20187307	012789		B	APP'D.		PID322

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