

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION AND IS SUBMITTED IN CONFIDENCE. THIS DOCUMENT IS SUBJECT TO RETURN UPON REQUEST. THE INFORMATION CONTAINED HEREIN IS NOT BE USED IN ANY WAY DERIVATIONAL TO THE INTERESTS OF HYPOPOWER.

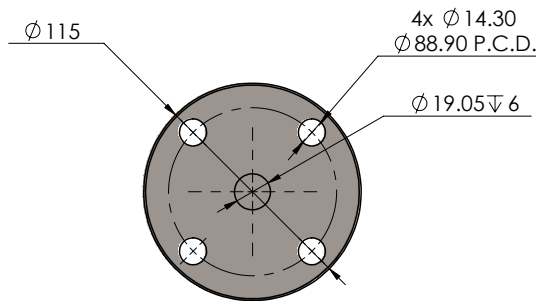
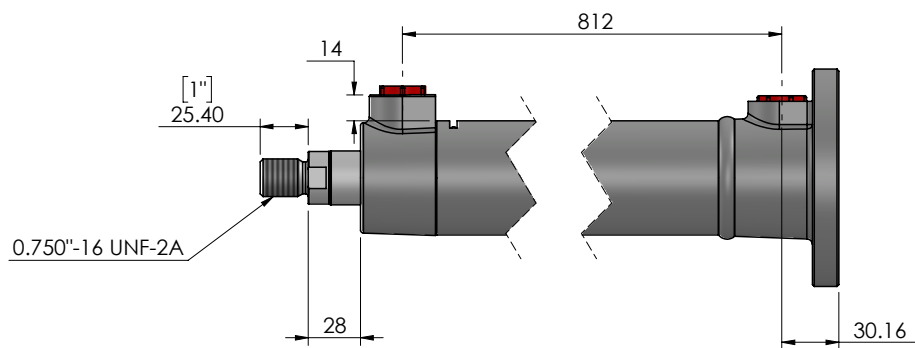
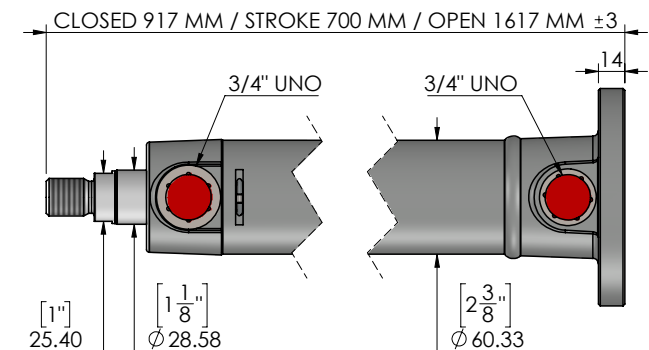
NOTE: PIN HOLE CLEARANCE MACHINED TO SUIT ANSI B4.2 D9/h9  
 PORT THREADS MACHINED TO ISO11926-1 OTHER THREADS MACHINED TO CLASS 2A/B  
 GENERAL DIMENSIONS SUIT ISO2768-mK UNLESS OTHERWISE STATED  
 GENERAL SURFACE MACHINING TO ISO1302  
 FORCE CALCULATIONS ARE THEORETICAL MAXIMUM. ALLOW UP TO 20% FOR LOSSES  
 ROD MOUNTING CONDITIONS AFFECT ROD BUCKLING SAFETY FACTOR

**OPERATING CONDITIONS**

MAX PRESSURE	210 BAR
PUSH FORCE @ 210 BAR	4254 Kg
PULL FORCE @ 210 BAR	2908 Kg
FLUID	HYDRAULIC OIL VG46

**CYLINDER FACTOR OF SAFETY AT 210 BAR**

STRESS AREA	SAFETY FACTOR	COMMENT
PISTON PULL OFF	2.51:1	
ROD MOUNT PULL OFF	3.21:1	
ROD BUCKLE	3.5:1	AT MAX EXTENSION
BASE MOUNT	4.50:1	
ROD MOUNT	5.85:1	
BARREL	4.69:1	HOOP STRESS



**CYLINDER SPECIFICATIONS**

	1	2	3	4
CLOSED	917 MM	PORTS	3/4" UNO	
STROKE	700 MM	BARREL	2" TUBE 0.1875" WALL	
OPEN	1617 MM	HEAD CAP	R10121	
STAND OUT	28 MM	ROD CAP	R10069A	
ROD	1.125" - K1045	WEIGHT	11.6 Kg	
BORE	2.00"	PAINTING	REFER TO QUOTE	

CLIENT SIGNATURE			
APPROVAL DATE			
B		SHEET SIZE	A4
A		SCALE	1:4
0		SHEET OF	1/1
REV	DATE	DRAWN CHECKED	REMARK



**CFC 20**

DESCRIPTION	
CFC 2.0" BORE X 0700MM STROKE X 1-1/8" ROD-3/4" UNO	
PART NO.	DWG NO.
CFC200700AA112	CFC200700AA112DIM

