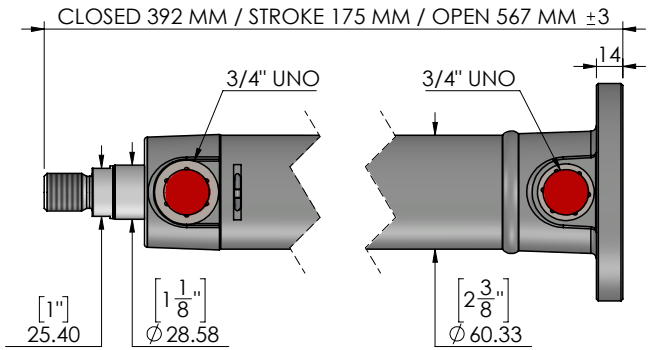
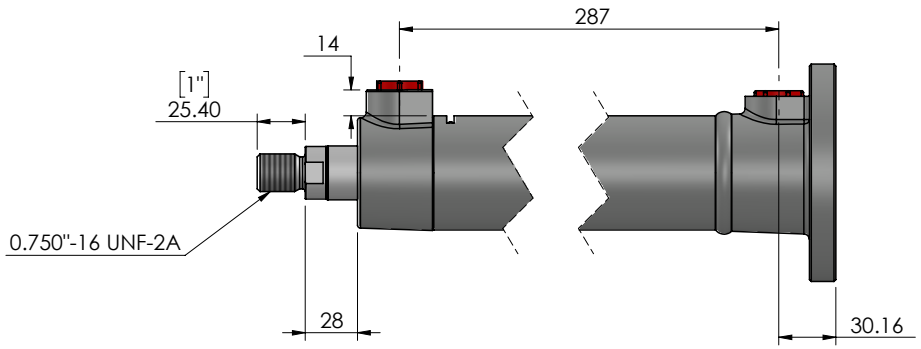
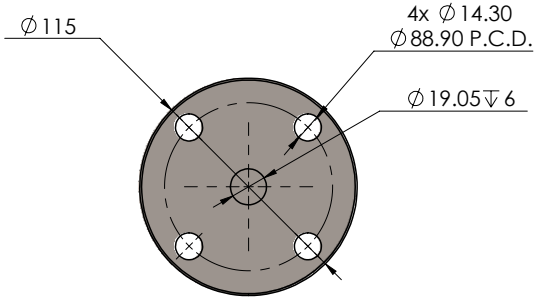
NOTE: PIN HOLE CLEARANCE MACHINED TO SUIT ANSI B4.2 D9/h9
PORT THREADS MACHINED TO ISO11926-1 OTHER THREADS MACHINED TO CLASS 2A/B
GENERAL DIMENSIONS SUIT ISO2768-mK UNLESS OTHERWISE STATED
GENERAL SURFACE MACHINING TO ISO1302
FORCE CALCULATIONS ARE THEORETICAL MAXIMUM. ALLOW UP TO 20% FOR LOSSES
ROD 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	8.0:1	AT MAX EXTENSION
BASE MOUNT	4.50:1	
ROD MOUNT	5.85:1	
BARREL	4.69:1	HOOP STRESS







CYLINDER SPECIFICATIONS			
CLOSED	392 MM	PORTS	3/4" UNO
STROKE	175 MM	BARREL	2" TUBE 0.1875" WALL
OPEN	567 MM	HEAD CAP	R10121
STAND OUT	28 MM	ROD CAP	R10069A
ROD	1.125" - K1045	WEIGHT	5.7 Kg
BORE	2.00"	PAINTING	REFER TO QUOTE

REV	DATE	DRAWN CHECKED	REMARK
B			
A			
0			

CLIENT SIGNATURE
APPROVAL DATE
SHEET SIZE A4
SCALE 1:4
SHEET OF 1/1

HYPOWER
QUALITY MANUFACTURING

CFC 20

DESCRIPTION
CFC 2.0" BORE X 0175MM STROKE X 1-1/8"ROD-3/4"UNO

PART NO. CFC200175AA112
DWG NO. CFC200175AA112DIM

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