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NOTE: PIN HOLE CLEARANCE MACHINED TO SUIT ANSI B4.2 D9/h9

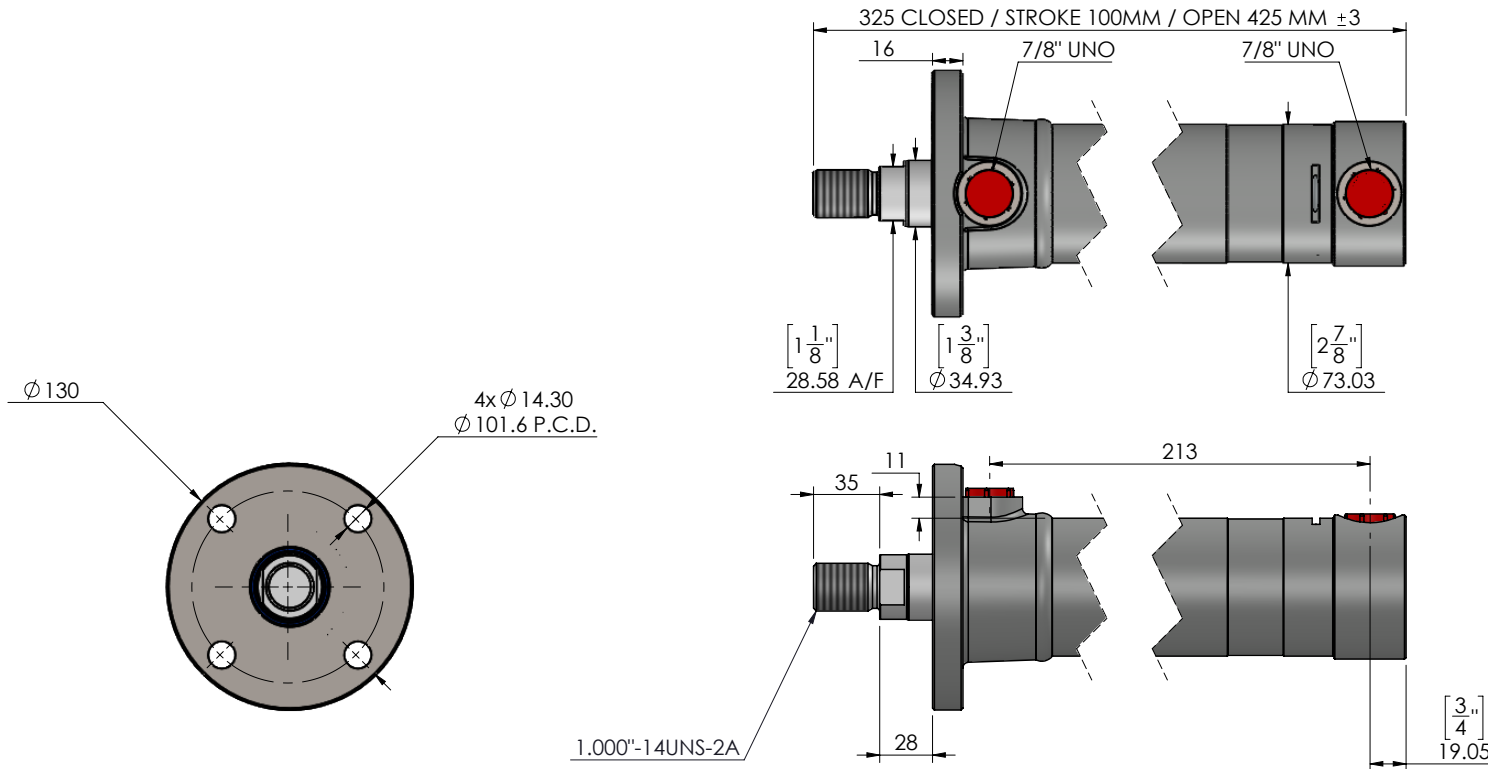
PORT THREADS MACHINED TO ISO11926-1 OTHER THREADS MACHINED TO CLASS 2A/B  
GENERAL DIMENSIONS SUIT ISO2768-mK UNLESS OTHERWISE STATED  
GENERAL SURFACE MACHINING TO ISO1302  
FORCE CALCULATIONS ARE THEORETICAL MAXIMUM. ALLOW UP TO 20% FOR LOSSES  
ROD MOUNTING CONDITIONS AFFECT ROD BUCKLING SAFETY FACTOR

### OPERATING CONDITIONS

MAX PRESSURE	210 BAR
PUSH FORCE @ 210 BAR	6647 Kg
PULL FORCE @ 210 BAR	4637 Kg
FLUID	HYDRAULIC OIL VG46

### CYLINDER FACTOR OF SAFETY AT 210 BAR

STRESS AREA	SAFETY FACTOR	COMMENT
PISTON PULL OFF	2.30:1	
ROD MOUNT PULL OFF	4.95:1	
ROD BUCKLE	8.3:1	AT MAX EXTENSION
BASE MOUNT	4.68:1	
ROD MOUNT	3.60:1	
BARREL	3.75:1	HOOP STRESS



### CYLINDER SPECIFICATIONS

CLOSED	325 MM	PORTS	7/8" UNO
STROKE	100 MM	BARREL	2 7/8" TUBE 3/16" WALL
OPEN	425 MM	HEAD CAP	R10042A
STAND OUT	28 MM	ROD CAP	R10111
ROD	1.375" - K1045	WEIGHT	7.8 Kg
BORE	2.50"	PAINTING	REFER TO QUOTE

CLIENT SIGNATURE

APPROVAL DATE

B

A

0

REV

DATE

DRAWN CHECKED

REMARK

SHEET SIZE

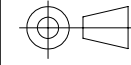
A4

SCALE

1:4

SHEET OF

1/1



CFH 25

DESCRIPTION

CFH 2.5" BORE X 0100MM STROKE X 1.3/8" ROD-7/8" UNO

PART NO.

CFH250100AB137

DWG NO.

CFH250100AB137DIM