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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

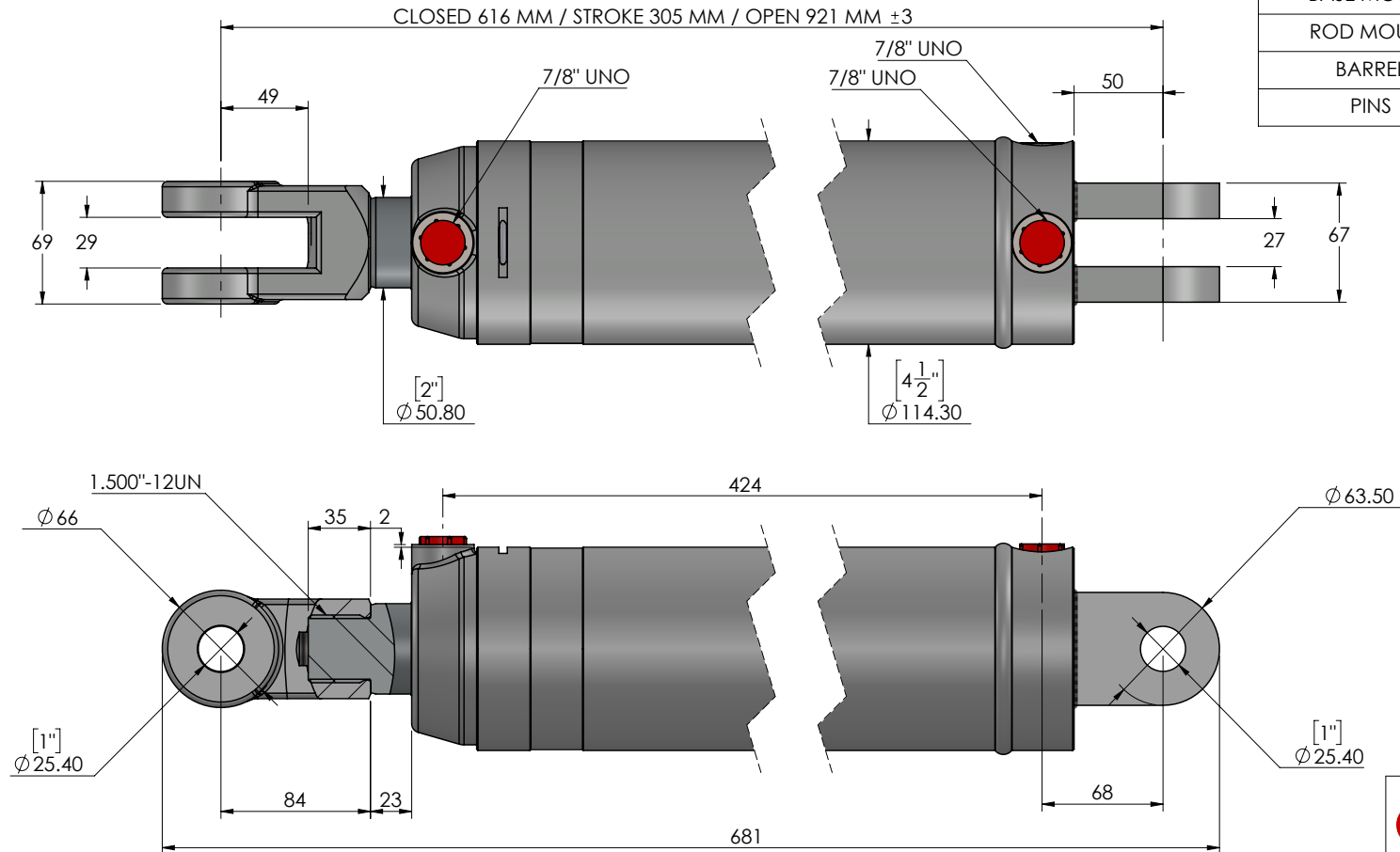
FORCE CALCULATIONS ARE THEORETICAL MAXIMUM. ALLOW UP TO 20% FOR LOSSES

OPERATING CONDITIONS

MAX PRESSURE	210 BAR
PUSH FORCE @ 210 BAR	17017 Kg
PULL FORCE @ 210 BAR	12763 Kg
FLUID	HYDRAULIC OIL VG46

CYLINDER FACTOR OF SAFETY AT 210 BAR

STRESS AREA	SAFETY FACTOR	COMMENT
PISTON PULL OFF	1.65:1	
ROD MOUNT PULL OFF	2.22:1	
ROD BUCKLE	6.18:1	AT MAX EXTENSION
BASE MOUNT	3:1	
ROD MOUNT	3.85:1	
BARREL	3.13:1	HOOP STRESS
PINS	1.43:1	



CYLINDER SPECIFICATIONS

CLOSED	616 MM	PORTS	7/8" UNO
STROKE	305 MM	BARREL	4" TUBE 1/4" WALL
OPEN	921 MM	HEAD CLEVIS	FC0040501012
STAND OUT	23 MM	ROD CLEVIS	FC0000401006
ROD	2.00" - K1045	WEIGHT	26.5 Kg
BORE	4.00"	PAINTING	REFER TO QUOTE

CLIENT SIGNATURE

APPROVAL DATE

B

A

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REV

DATE

DRAWN CHECKED

REMARK

SHEET SIZE

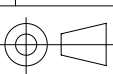
A4

SCALE

1:4

SHEET OF

1/1



M3000 40

DESCRIPTION

HPWG 4.0" BORE X 305 MM STK X 2.00" ROD 7/8" UNO - 1.00" PIN

PART NO.

M3000-40-305-40-AU000

DWG NO.

M3000-40-305-40-AU000 DIM