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

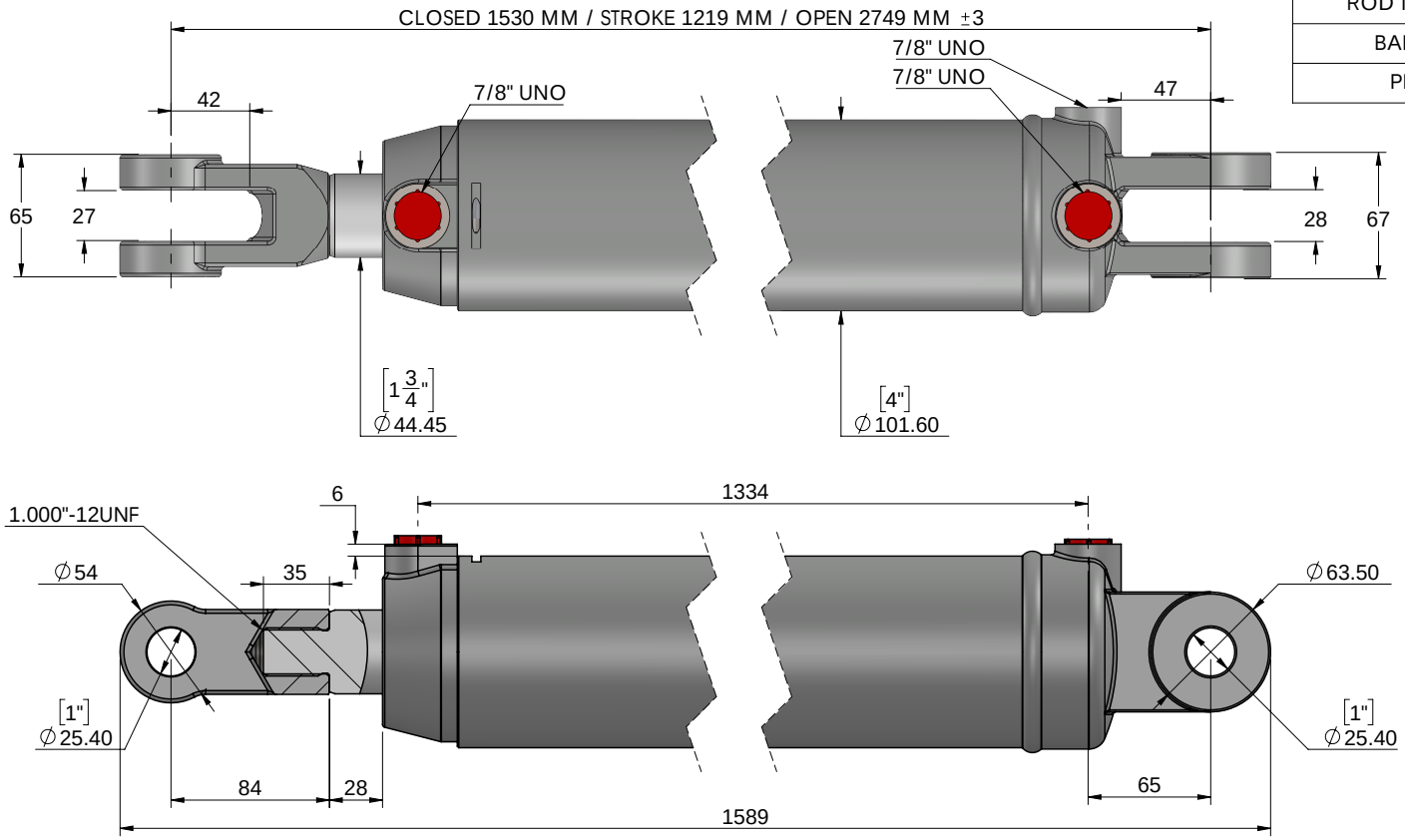
GENERAL DIMENSIONS SUIT ISO2768-mK UNLESS OTHERWISE STATED

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	13000 Kg
PULL FORCE @ 210 BAR	9772 Kg
FLUID	HYDRAULIC OIL VG46

CYLINDER FACTOR OF SAFETY AT 210 BAR		
STRESS AREA	SAFETY FACTOR	COMMENT
PISTON PULL OFF	1.17:1	
ROD MOUNT PULL OFF	3.46:1	
ROD BUCKLE	2.2:1	AT MAX EXTENSION
BASE MOUNT	3.43:1	
ROD MOUNT	4.4:1	
BARREL	3.57:1	HOOP STRESS
PINS	1.86:1	



CYLINDER SPECIFICATIONS			
CLOSED	1530 MM	PORTS	7/8" UNO
STROKE	1219 MM	BARREL	4" TUBE 1/4" WALL
OPEN	2749 MM	HEAD CLEVIS	790115A
STAND OUT	28 MM	ROD CLEVIS	FC0000401002
ROD	1.75" - K1045	WEIGHT	45.0 Kg
BORE	3.50"	PAINTING	REFER TO QUOTE

REV	DATE	DRAWN CHECKED	REMARK
B			
A			
0	15/08/2018	MJSTONE	

CLIENT SIGNATURE

APPROVAL DATE

SHEET SIZE: A4

SCALE: 1:4

SHEET OF: 1/1

HYPOWER QUALITY MANUFACTURING

M3000 35

DESCRIPTION: CYLINDER 3 1/2" BORE X 1219 MM STROKE 1.75" ROD 7/8" UNO

PART NO.: M3000-35-1219-40-AU4000

DWG NO.: M3000-35-1219-40-AU4000DIM

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