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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

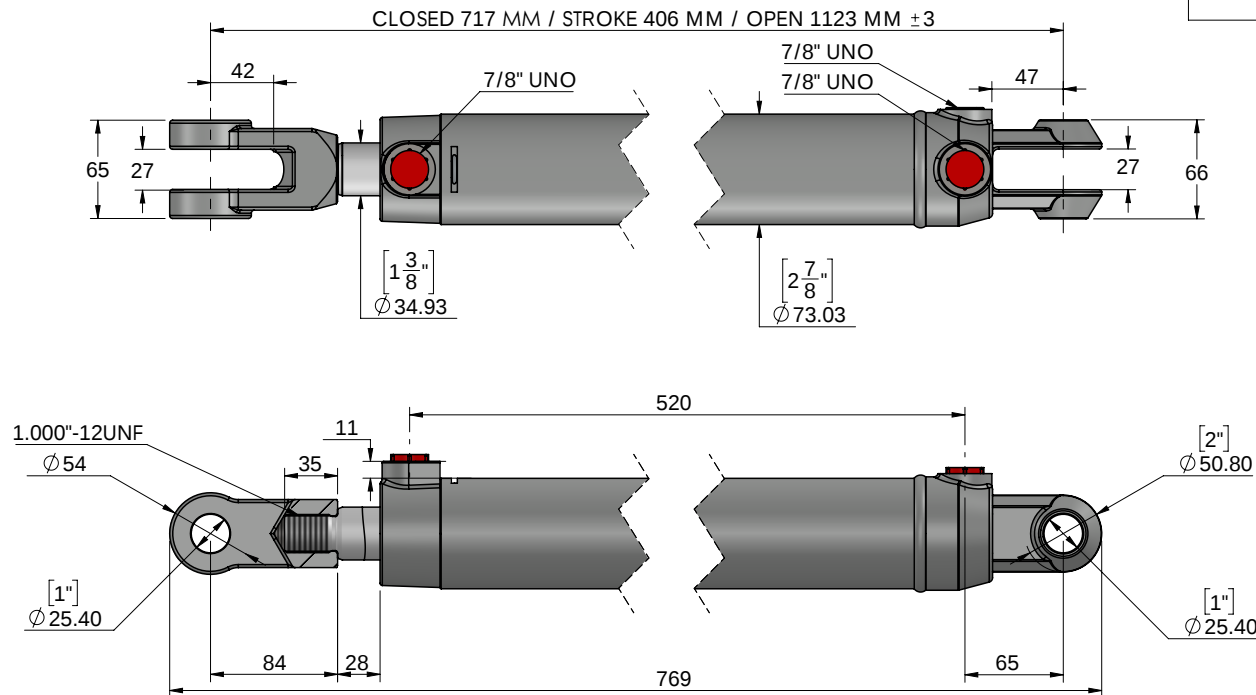
FORCE CALCULATIONS ARE THEORETICAL MAXIMUM. ALLOW UP TO 20% FOR LOSSES

OPERATING CONDITIONS

MAX PRESSURE	210 BAR
PUSH FORCE @ 210 BAR	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	5.6:1	AT MAX EXTENSION
BASE MOUNT	3.60:1	
ROD MOUNT	4.68:1	
BARREL	3.75:1	HOOP STRESS
PINS	3.65:1	



CYLINDER SPECIFICATIONS

CLOSED	717 MM	PORTS	7/8" UNO
STROKE	406 MM	BARREL	2 7/8" TUBE 3/16" WALL
OPEN	1123 MM	HEAD CLEVIS	790107A
STAND OUT	28 MM	ROD CLEVIS	FC0000401002
ROD	1.375" - K1045	WEIGHT	13.0 KG
BORE	2.50"	PAINTING	REFER TO QUOTE

CLIENT SIGNATURE

APPROVAL DATE

B			SHEET SIZE	A4
A			SCALE	1:5
0	14/08/2018	MJSTONE	SHEET OF	1/1
REV	DATE	DRAWN CHECKED	REMARK	



M3000 25

DESCRIPTION

HPWG 2.5" BORE X 406 MM STK X 1.375" ROD 7/8" UNO - 1.00" PIN

PART NO.

M3000-25-406-40-AU000

DWG NO.

M3000-25-406-40-AU000DIM