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

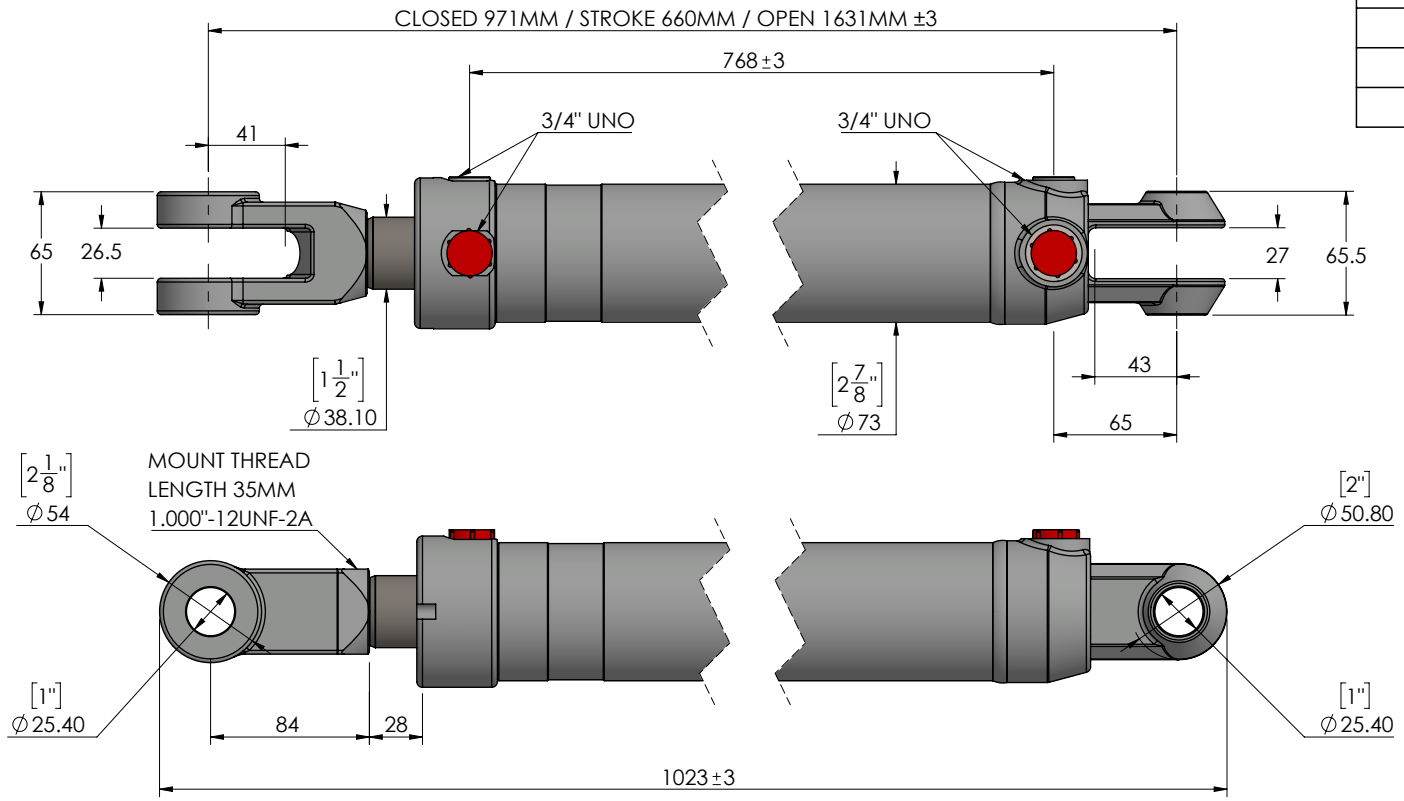
GENERAL DIMENSIONS SUIT ISO2768-mK UNLESS OTHERWISE STATED

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 | 6779kgf |
| PULL FORCE @ 210 BAR | 4256kgf |
| FLUID | HYDRAULIC OIL VG46 |

| CYLINDER FACTOR OF SAFETY AT 210 BAR | | |
|---|---|---|
| STRESS AREA | SAFETY FACTOR | COMMENT |
| PISTON PULL OFF | 2.6 | |
| ROD MOUNT PULL OFF | 2.7 | |
| ROD BUCKLE | WARNING | AT MAX EXTENSION |
| BASE MOUNT | 1.7 | |
| ROD MOUNT | 2.7 | |
| BARREL | 3.7 | HOOP STRESS |
| PINS | 2.8 | |

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| CYLINDER SPECIFICATIONS | | | |
|---|---|---|---|
| CLOSED | 971MM | PORTS | 3/4" UNO |
| STROKE | 660MM | BARREL | 2.5"ID TUBE 3/16" WALL |
| OPEN | 1631MM | HEAD CLEVIS | 790107B |
| STAND OUT | 28MM | ROD CLEVIS | FC0000401002 |
| ROD | 1.50" - K1045 | WEIGHT | 18.3Kg |
| BORE | 2.5" | PAINTING | REFER TO QUOTE |

HYPOWER
QUALITY MANUFACTURING

# HPAG 25

| REV | DATE | DRAWN | CHECKED | REMARK |
|---|---|---|---|---|
| B | | | | |
| A | | | | |
| 0 | 7/10/2020 | DW | | |

CLIENT SIGNATURE

APPROVAL DATE

SHEET SIZE: A4

SCALE: 1:4

SHEET OF: 1/1

DESCRIPTION: HPAG 2.5" BORE X 26"(660MM) X 1.50" ROD-DUAL PORT

PART NO.: HPAG25260D150B

DWG NO.: HPAG25260D150BDIM