



CYLINDER - STROKE : 333,5 mm
 ROD DIA : Ø57
 BORE : Ø76,2

| ITEM | QTY | DESCRIPTION | DRAWING |
|------|-----|---|---------|
| 18 | 1 | ORING =SECT. 3.53 x I.D. 37.69 | |
| 17 | 1 | ORING = SECT. 3.53 x I.D. 69.44 & BACK UP | |
| 16 | 1 | WIPER = 2. 1/4"x2. 3/4"x 1/4 | |
| 15 | 2 | POLY U = 2. 1/2"x3"x 3/8 | |
| 14 | 1 | POLY U = 2. 1/4"x2. 3/4"x 3/8 | |
| 13 | 1 | PIN | |
| 12 | 1 | NS 12 x 90 LG - ROLL PIN | |
| 11 | 4 | M16 x 60 LG CAP HD SCREW GR.8.8 | |
| 10 | 1 | O.D. 45 x I.D. 15 x 3 THK WASHER | |
| 9 | 1 | M12 x 35 LG HEX BOLT GR.8.8 | |
| 8 | 1 | M20 x 40 LG HEX BOLT GR.8.8 | |
| 7 | 1 | PISTON WASHER | |
| 6 | 1 | GUIDING ROD | |
| 5 | 1 | GLAND | |
| 4 | 1 | PISTON ROD | |
| 3 | 1 | PISTON | |
| 2 | 1 | FRONT CLEVIS | |
| 1 | 1 | BARREL & REAR CLEVIS | |
| ITEM | QTY | DESCRIPTION | DRAWING |

GENERAL NOTES

- 1: ALL HOT ROLLED STEEL TO BE SANS 1431 GR 350 WA.
- 2: ALL PLATE WORK TO BE EN 10025 GR S355J U.O.N.
- 3: ALL WELDS TO 6 mm C.F.W U.O.N.
- 4: WELDING OF STRUCTURAL STEEL TO AWS D1.1.
- 5: ALL Ø22 HOLES FOR M20 HEX HEAD BOLTS U.O.N.
- 9: ALL PAINTING AS PER SISHEN SPECIFICATIONS.
- 10: ALL BURRS AND SHARP EDGES TO BE REMOVED.

TOTAL CYLINDER ASSEMBLY
 ISOMETRIC VIEW

SECTION E-E
 ISOMETRIC VIEW

JA DRAUGHTING

EXAMPLE NOT FOR MANUFACTURE

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|---|--|
| DR. : P. HATTINGH 2016/10/18 GLAND REDESIGN | |
| REV. 03 | |

| MACHINING TOLERANCES (U.O.S) TO ISO 2768 & DIN 7168 - MEDIUM | | TOL ± | |
|--|--------|-------|--|
| ABOVE | INCL. | | |
| 0.5 | 6 | 0.1 | |
| 6 | 30 | 0.2 | |
| 30 | 120 | 0.3 | |
| 120 | 315 | 0.5 | |
| 315 | 1 000 | 0.8 | |
| 1 000 | 2 000 | 1.2 | |
| 2 000 | 4 000 | 2 | |
| 4 000 | 8 000 | 3 | |
| 8 000 | 12 000 | 4 | |
| 12 000 | 16 000 | 5 | |
| 16 000 | 20 000 | 6 | |

| | |
|----------|-----------------|
| DRN | PIERRE HATTINGH |
| DATE | 2016/07/27 |
| APPROVED | MAN/SUPT/ENG |
| PROJN | SCALE |
| AUTH.No | DO NOT SCALE |

| | |
|--------------------------|----|
| EXAMPLE | |
| 7' 0" SHORT HEAD CRUSHER | |
| BOWL ADJUSTMET RAM | |
| ASSEMBLY | |
| | A1 |