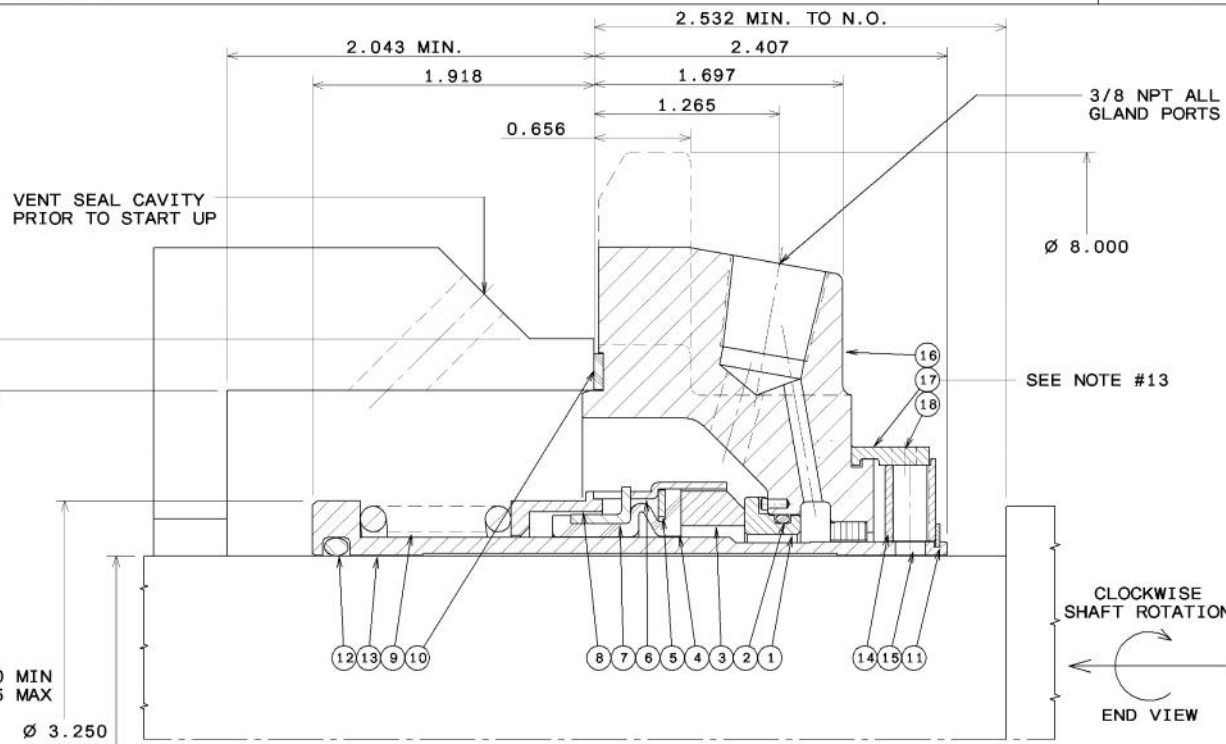


**METRIC**

ALL DIMENSIONS ARE IN INCHES

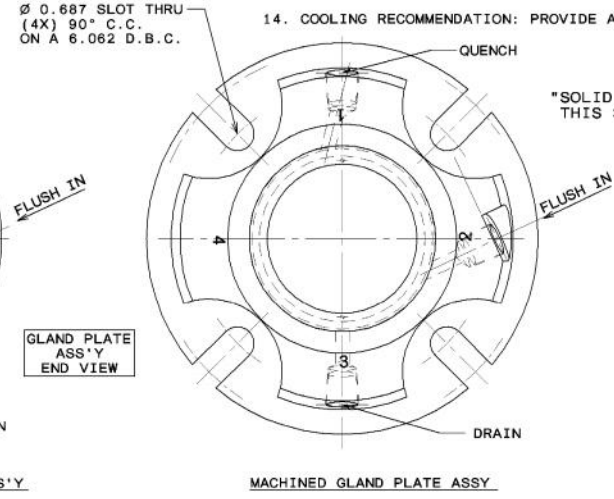
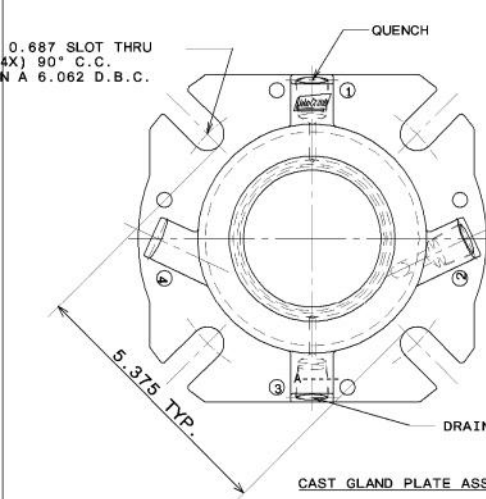
IN.	M.M.
.001	.025
.002	.051
.040	1.02
.375	9.52
.656	16.66
.687	17.44
1.265	32.13
1.697	43.10
1.918	48.71
2.043	51.89
2.407	61.13
2.500	63.50
2.532	64.31
3.250	82.55
4.750	120.65
4.875	123.82
5.139	130.53
5.375	136.52
6.062	153.97
8.000	203.20



ITEM	COMPONENT	DESCRIPTION	MATERIAL	SPARES QTY
1	H 2501 569 9221	MATING RING	SILICON CARBIDE	1 X
2	0000 040 9549	O-RING	FLUOROELASTOMER	1 X
3	D 2750 770 9221	PRIMARY RING	SILICON CARBIDE	1 X
4	D 2750 162 5850	BELLOWS	FLUOROELASTOMER	1 X
5	D 2751 219 0550	DISC	316 S.S.	1 X
6	D 2750 753 0550	RETAINER	316 S.S.	1
7	D 2750 092 0550	DRIVE BAND	316 S.S.	1 X
8	F 2751 930 0550	SPRING ADAPTER	316 S.S.	1 X
9	2376	SPRING	316 S.S.	1
10	H 2751 546 7510	GASKET	G.F. CHEMLON	1 X
11	4US2 68XX XX2 0500	SNAP RING	18-8 S.S.	1 X
12	0000 230 9549	O-RING	FLUOROELASTOMER	1 X
13	H 2501 599 0550	SLEEVE	316 S.S.	1
14	H 2501 586 0550	COLLAR	316 S.S.	1
15	1725 2008 000 0650	SET SCREW	HARDENED 416 S.S.	8 X
16	H 2501 749 7854	GLAND PLATE ASS'Y **	316 S.S./CARBON	1
17	D 0002 684 0570	SPACER	SINTERED 316 S.S.	4 X
18	2108 3206 000 0550	SOCKET HEAD CAP SCREW	316 S.S.	4 X
19				
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35				

Ø 5.139 MIN TURN  
 Ø 4.750 MIN BORE  
 Ø 4.875 MAX BORE

13. SPACER (ITEM #17) IS ONLY FOR THE PURPOSE OF PROPERLY LOCATING SEAL. AFTER GLAND PLATE, BEARING, SHAFT AND SEAL ARE LOCKED IN PLACE, SPACER MUST BE REMOVED BEFORE STARTING UNIT.



14. COOLING RECOMMENDATION: PROVIDE A FLUSH OF SUITABLE LIQUID TO THE SEAL

"SOLID SHAFT PUMP REQUIRED TO ACCOMMODATE THIS SEAL"

FOR ALTERNATE ARRANGEMENTS SEE THE FOLLOWING DRAWINGS

SINGLE O-RING SEAL	HSP-39007
RUBBER BELLOWS SEAL	HSP-39011
METAL BELLOWS SEAL	HSP-39013
O-RING SEAL W/QUENCH	HSP-39008
RUBBER BELLOWS W/QUENCH	HSP-39012
METAL BELLOWS W/QUENCH	HSP-39014
DUAL O-RING SEAL	HSP-39009
DUAL METAL BELLOWS	HSP-39015
DUAL METAL BELLOWS WITH PUMPING RING	HSP-39016
DUAL O-RING SEAL W/PUMPING RING	HSP-39010

\*\* H 2501 753 (MACHINED GLAND PLATE ASS'Y)  
 \*\*\* 3196 XLTX BIG BORE, TAPER BORE VPE, TAPER BORE AXIAL RIBS

SEAL ASS'Y NO.	BILL OF MATERIALS NUMBER
IN- D 2752 007	COMPLETE 1-18 M65359
OUT-MTG.RG. ASS'Y NO.	SEAL HD.
IN-	MTG.RG.
OUT-	ASS'Y. ITEMS NUMBER

EQUIPMENT REFERENCE:	CUSTOMER INFORMATION:
UNIT BY: GOULDS PUMPS	CUSTOMER:
EQUIPMENT TYPE:	P.O. NO.
<input checked="" type="checkbox"/> PUMP <input type="checkbox"/> AGITATOR	END USER:
<input type="checkbox"/> COMPRESSOR <input type="checkbox"/> OTHER	LOCATION:
MODEL/SIZE ***	REQ. NO.
SERIAL NO.	INSTALLED AT:

SEAL DATA	MATERIAL CODE
SEAL DESCRIPTION A853	X1 O58 1 X O58 1 316/316
A.P.I. CODE	A.P.I. PLAN

SERVICE DATA	
FLUID	BARRIER FLUID
SEAL PRESS.	SUCT. PRESS. VISC. AT P.T.
TEMPERATURE	DISCH. PRESS. V.P. AT P.T.
SHAFT SPEED	SP. GR. HAZARD CODE
REFERENCE DATA	DRAWN DATE CHK'D APP'D SCALE INST CODE
E.P.#2270-9702	LFK 022097 DSC TTQ 1.5:1
FILE REFERENCE	CAT
MG-01	D

CAD ENGINEERED  
 SEAL SIZE: Ø 2.500  
 SEAL TYPE: T-5611-Q BIG BORE VERSION

**JOHN CRANE INC.**  
 International Sealing Systems  
 6400 Oakton Street  
 Morton Grove, IL 60053, U.S.A.

- THE FOLLOWING NOTES ARE IMPORTANT AND MUST BE OBSERVED FOR CORRECT SEAL INSTALLATION AND OPERATION
- REMOVE ALL SHARP EDGES ON SHAFT &/OR SLEEVE BEFORE INSTALLATION OF SEAL.
  - SURFACE OF SHAFT OR SLEEVE ON WHICH SEAL IS INSTALLED MUST BE MACHINED TO 63 RA FINISH OR BETTER.
  - LUBRICATE SHAFT/SLEEVE & SEAL WEDGE RING/O-RING/BELLOWS TO ASSIST INSTALLATION OF SEAL.
  - LUBRICATE MATING RING (SEAT), SEALING MEMBER & HOUSING TO ASSIST INSTALLATION.
  - MUST BE CIRCULATED AROUND PRIMARY RING (SEAL FACE) THROUGH MATING RING (SEAT) IN ORDER TO REMOVE HEAT GENERATED, OR FAILURE MAY OCCUR. (AT NOT LESS THAN
  - WHEN SHAFT IS SLEEVED THROUGH STUFFING BOX, SLEEVE MUST BE LIQUID TIGHT THROUGH BORE.
  - SHAFT OR SLEEVE MUST BE OF CORROSION RESISTANT MATERIAL WITH A HARDNESS OF 125 BRINELL. MINIMUM & BE MACHINED TO DIMENSIONS & TOLERANCES STATED.
  - END OF SEAL CHAMBER & AXIS OF SHAFT MUST BE AT 90° TO EACH OTHER WITHIN .002 F.I.M.
  - PRESSURE IN SEAL CHAMBER MUST BE MAINTAINED AT MINIMUM ABOVE MAXIMUM PRESSURE GENERATED AT INNER SEAL.
  - BEFORE COMPLETING SEAL INSTALLATION WIPE LAPPED SURFACES OF MATING RING (SEAT) & PRIMARY RING PERFECTLY CLEAN.
  - VENT GAS ENTRAPMENT BEFORE STARTUP.
  - ALL SHOULDERS OVER WHICH SEAL MUST PASS WHEN FITTING, TO BE PREPARED AS DIAGRAM BELOW.
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