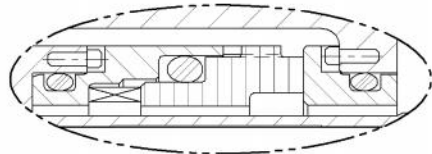
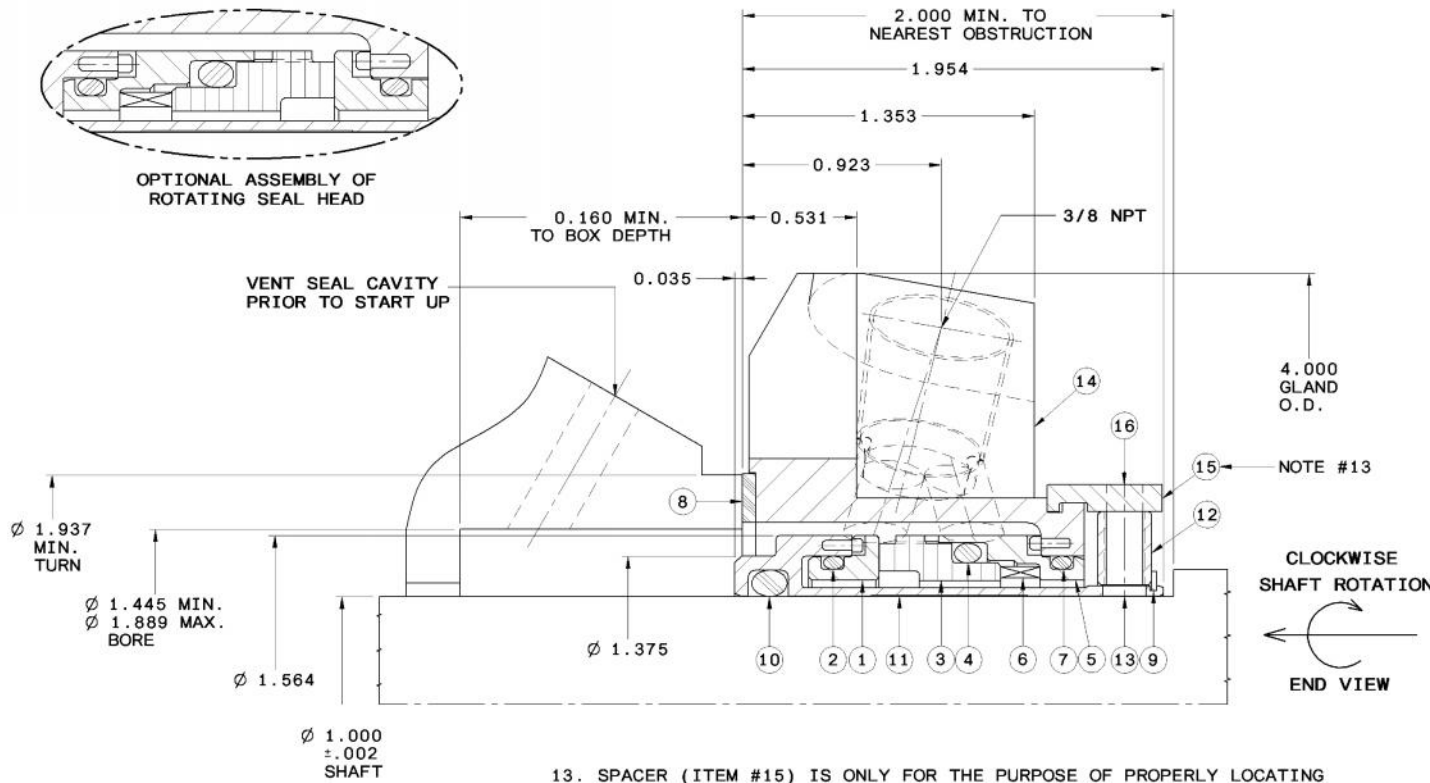


ITEM	COMPONENT	DESCRIPTION	MATERIAL	SPARES QTY
1	***	MATING RING		1 X
2	0000 026	O-RING		1 X
3	C56 1000 1005	PRIMARY RING		1 X
4	0000 125	O-RING		1 X
5	C56 1000 1006	RETAINER		1
6	7628	SPRING		1 X
7	0000 026	O-RING		1 X
8	H 1000 455	GASKET		1 X
9	4US1 06XX XX2	SNAP RING		1 X
10	0000 214	O-RING		1 X
11	H 1000 465	SLEEVE		1
12	H 1000 468	COLLAR		1
13	1710 3206 000	SET SCREW		4 X
14	**	GLAND PLATE ASSEMBLY		1
15	D 0002 684	SPACER		4 X
16	2108 3206 000	SOCKET HEAD CAP SCREW		4 X
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				



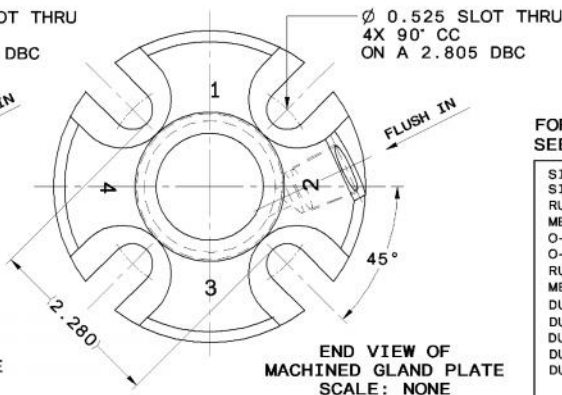
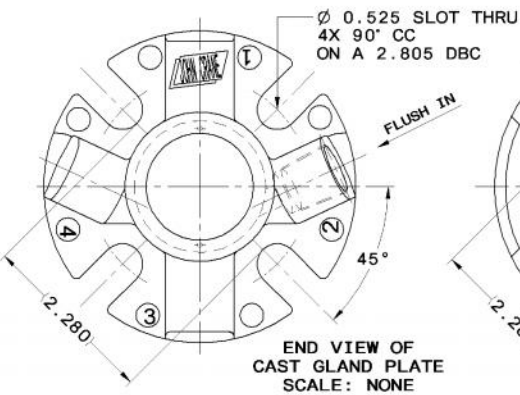
OPTIONAL ASSEMBLY OF ROTATING SEAL HEAD



** H 1000 542 (CAST GLAND PLATE ASSEMBLY)
 H 1000 469 (MACHINED GLAND PLATE ASSEMBLY)

*** H-1000-452 (WITH CARBON PRIMARY RING)
 H-1000-1454 (WITH TUNGSTEN CARBIDE OR SILICON CARBIDE PRIMARY RING) (B)

13. SPACER (ITEM #15) 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

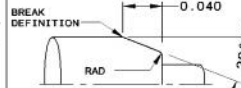


FOR ALTERNATE ARRANGEMENTS SEE THE FOLLOWING DRAWINGS

SINGLE O-RING SEAL	HSP-39543
SINGLE O-RING SEAL, LUG DRIVE	HSP-1030362
RUBBER BELLOWS SEAL	HSP-39551
METAL BELLOWS SEAL	HSP-39547
O-RING SEAL W/QUENCH	HSP-39545
O-RING SEAL W/QUENCH, LUG DRIVE	HSP-1030394
RUBBER BELLOWS W/QUENCH	HSP-39552
METAL BELLOWS W/QUENCH	HSP-39548
DUAL O-RING SEAL	HSP-39544
DUAL METAL BELLOWS	HSP-39549
DUAL METAL BELLOWS W/ PUMPING RING	HSP-39550
DUAL O-RING SEAL W/ PUMPING RING	HSP-39546
DUAL O-RING SEAL, LUG DRIVE W/ PUMPING RING	HSP-1030426

THE FOLLOWING NOTES ARE IMPORTANT AND MUST BE OBSERVED FOR CORRECT SEAL INSTALLATION AND OPERATION

- REMOVE ALL SHARP EDGES ON SHAFT AND/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 WITH.
- LUBRICATE MATING RING (SEAT), SEALING MEMBER AND HOUSING TO ASSIST INSTALLATION.
- MUST BE CIRCULATED AROUND PRIMARY RING (SEAL FACE)/THROUGH MATING RING (SEAT) (AT NOT LESS THAN) IN ORDER TO REMOVE HEAT GENERATED, OR FAILURE MAY OCCUR.
- WHEN SHAFT IS SLEEVED THROUGH STUFFING BOX, SLEEVE MUST BE LIQUID TIGHT THROUGH BORE.
- SHAFT OR SLEEVE MUST BE 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 (SEAL FACE) PERFECTLY CLEAN.
- VENT GAS ENTRAPMENT BEFORE STARTUP.
- ALL SHOULDERS OVER WHICH SEAL MUST PASS WHEN FITTING, TO BE PREPARED AS DIAGRAM BELOW.



SEAL ASS'Y NO.		BILL OF MATERIALS NUMBER	
		COMPLETE	
MTG. RG. ASS'Y NO.		SEAL HD.	
		MTG. RG.	
		ASS'Y	ITEMS NUMBER
EQUIPMENT REFERENCE		CUSTOMER INFORMATION:	
UNIT BY:		CUSTOMER:	
EQUIPMENT TYPE:		P.O. NO.	
<input 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			
A.P.T. PLAN		MATERIAL CODE:	
A.P.T. CODE			
SERVICE DATA			
FLUID		BARRIER FLUID	
SEAL PRESSURE		SUCT. PRESS.	VISC. AT P.T.
TEMPERATURE		DISCH. PRESS.	V.P. AT P.T.
SHAFT SPEED		SP. GR.	
REFERENCE DATA		DRAWN	DATE
		CML	090607
		CHK'D	GSJ
		APP'D	DMR
		SCALE	2.25:1
		INST CODE	
FILE REFERENCE		CAT	
US01EN		D	
DRAWING No.		ISSUE	
HSP-1030362		B	
CAD ENGINEERED			
SEAL SIZE: Ø 1.000			
SEAL TYPE: 5610V			
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		JOHN CRANE INC. International Sealing Systems 6400 Oakton Street Morton Grove, IL 60053, U.S.A.	