CONFIDENTIAL
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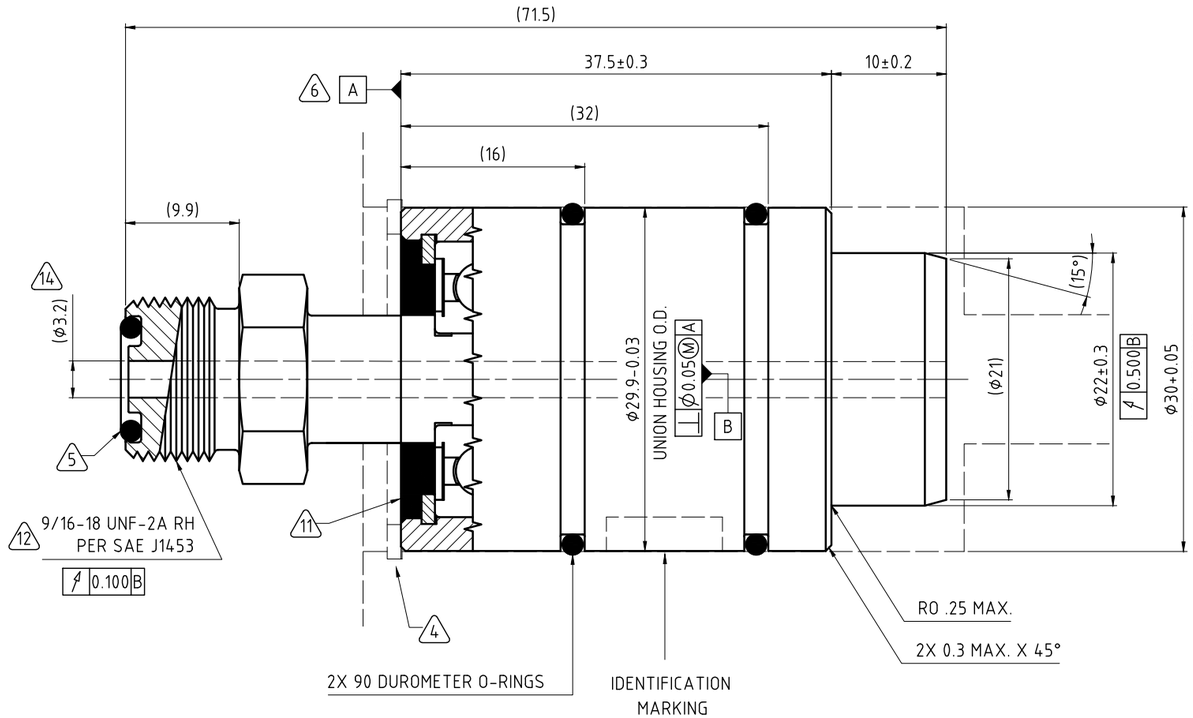
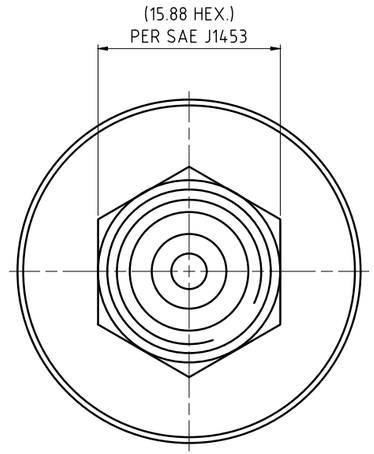
NOTES:

1 - WHEN ORDERING FROM DEUBLIN USE PART NUMBER: 1005-557-545.
2 - FLUID CLEANLINESS PER ISO 4406, CODE 17
3 - WEEPAGE: 0.015 mL/hr MAX. AT 1800 RPM, 110°C, 10 BAR.
4 - SNAP RING SUPPLIED BY CUSTOMER (DIN472-0300 OR EQUIVALENT).
5 - ROTOR END AND O-RING CONFORMS TO SIZE -4 SAE J1453 STYLE B O-RING FACE SEAL. ROTOR SUPPLIED WITH NYLOK PATCH. ALL UNIONS SHIP WITH FIRST REMOVAL PATCHES DUE TO TESTING.
6 - DATUM "A" DOES NOT INCLUDE THE SILASTIC SURFACE.
7 - EXTERNAL MASS: UNSPECIFIED
8 - DYNAMIC CHARACTERISTICS:
8a. ROTATIONAL ACCELERATION: TBD
8b. OVERALL ACCELERATION: TBD
9 - NATURAL FREQUENCY OF SEAL SPRING MASS SYSTEM INTERNAL TO UNION TO BE > 250Hz.
10 - BEARING ARE DOUBLE-SEALED, AXIAL-CONTACT TYPE FROM NSK CORPORATION. BEARING GREASE IS COMPATIBLE WITH MINERAL OIL-BASED HYDRAULIC FLUIDS.
11 - BEARING SEALANT TO BE SILASTIC MQ TYPE. COLOR: BLACK
DO NOT USE GASOLINE, SYNTHETIC OILS, OR SOLVANTS NEAR SEALANT.
12 - THREAD LOCKING PATCH. ALL UNIONS SHIP WITH FIRST REMOVAL PATCHES DUE TO TESTING.
12a. THREAD LOCKING PATCH ON 2 THREADS MIN. MINOR OVERSPRAY IS ALLOWED ON FIRST THREAD IF ABLE TO INSTALL THE NUT FREELY (0 TORQUE ALLOWED) THREAD PATCH COVERAGE AREA 20° MIN. X 60° MAX.
12b. FIRST INSTALLATION MAX. TORQUE OF 88 IN/LBS.
12c. THIRD REMOVAL TORQUE OF 4 IN/LBS. MIN.
12d. OVERSPRAY OF THREAD LOCKER ALLOWED ON THREAD UNDERCUT.
12d. OVERSPRAY OF THREAD LOCKER NOT ALLOWED ON HEX. AND FITTING FACE.
13 - INSTALLATION FORCE NOT TO EXCEED THE FOLLOWING:
13a. AXIAL-105.5N AT THE END OF THE ROTOR.
13b. RADIAL-105.5N AT THE ROTOR HEX.
D 14 - UNION CLEANLINESS PER DEUBLIN ENGINEERING INSTRUCTION 033-4506. THE INDICATED SURFACES ARE TO BE CONSIDERED THE WETTED SURFACES.





OPERATING DATA	
MEDIA	HYDRAULIC OIL
MAX. HYDRAULIC OIL PRESSURE	70 bar
OPERATING PRESSURE RANGE	0 – 20 bar
SPEED MAX.	3500/min
OPERATING SPEED RANGE	0 – 2,200/min
TEMPERATURE MAX.	121°C

DEUBLIN® Engineered for Performance

PROJECTION:

SCALE: 3:1
MATERIAL: INTERFACE CONTROL DRAWING
TITLE: DEUBLIN UNION
30MM SHAFT MOUNT, SILASTIC
NO. 1005-557-545
SHEET A2

ISSUE	MODIFICATION	ECO	DATE	SIGN
D	ADDED NOTE 14	048515	08/18	NR
C	ADDED DUROMETER NOTE	018932	6/12	GA
B	ADDED NOTES 7-14	000010	12/07	JK
A	IDENTIFICATION MARKING	8620	10/07	JK

	DATE	NAME
DRN.	08/22/07	J. KOCISKO
ENGR.	08/22/07	R. MIKA
APPD.		

UNLESS SPECIFICALLY TOLERANCED, ALL DIMENSIONS ARE CONSIDERED REFERENCE