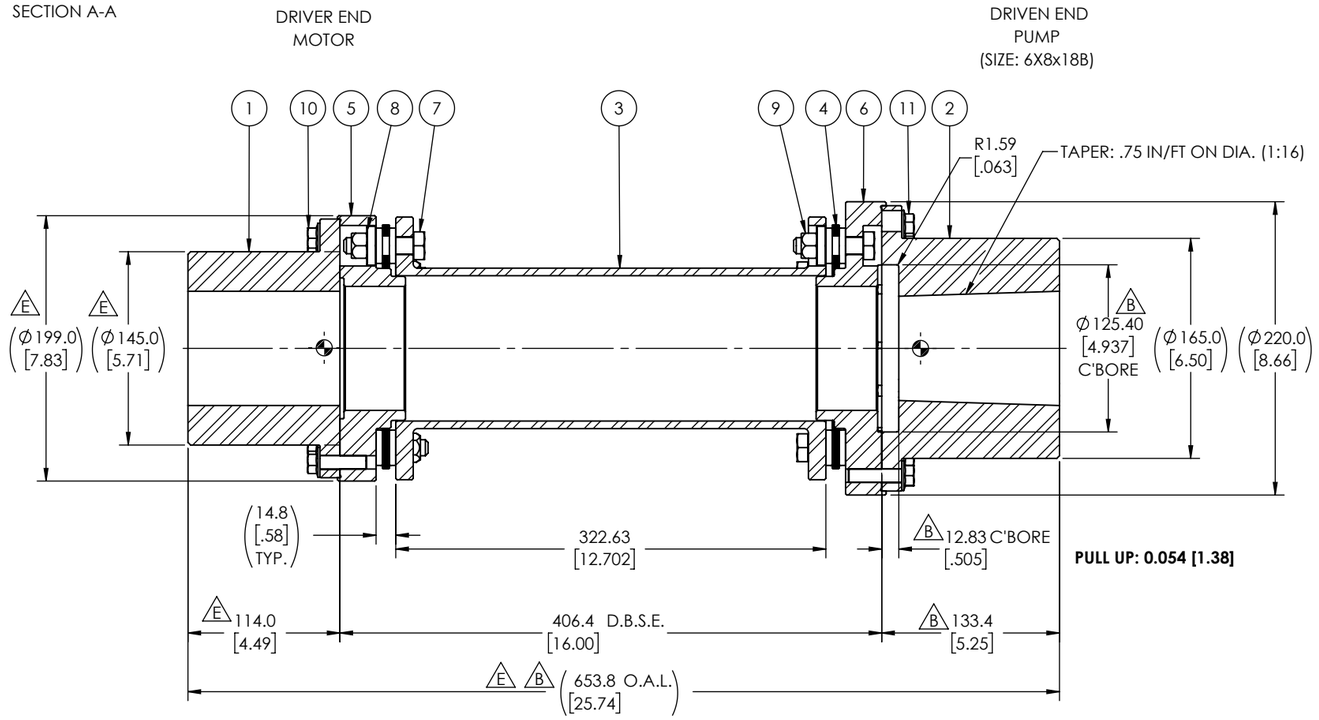
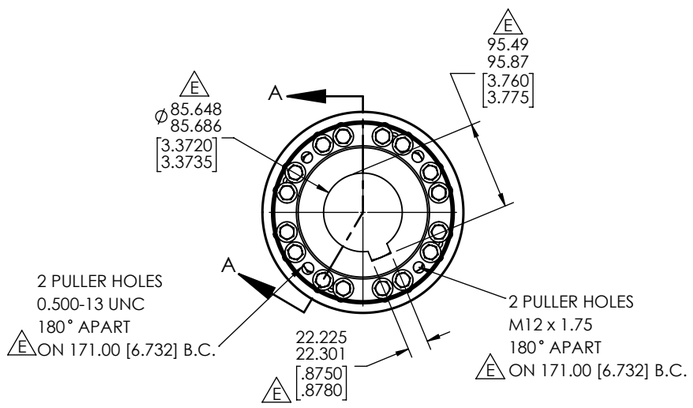
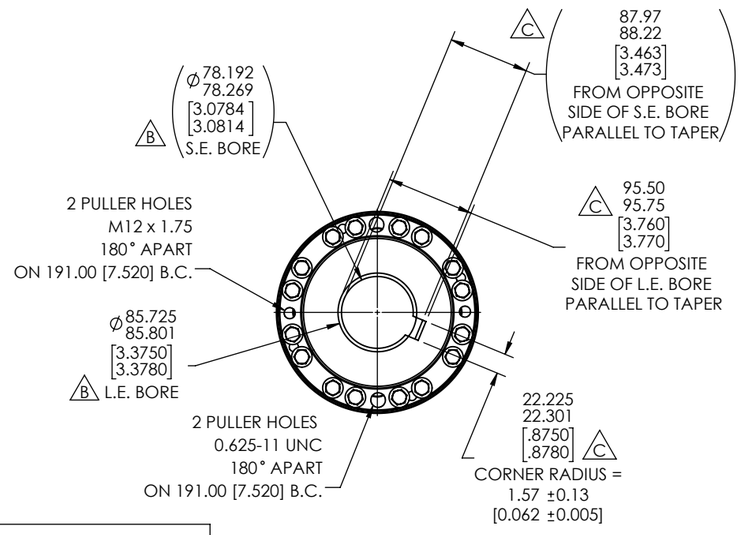
SECTION A-A







ITEM	PART NO	DESCRIPTION	QTY	MATERIAL	COMMENTS
11	10000155	CAPSCREW	16	CLASS 10.9	
10	10000154 E	CAPSCREW	16	CLASS 10.9	
9	10000185	LOCKNUT	16	CLASS 10	
8	10000216-01	OVERLOAD BUSHING	16	AISI 4140	
7	10000126	BOLT	16	CLASS 12.9	
6	10001786	ADAPTER	1	AISI 1146 OR 1141 OR 1045	
5	10001136 E	ADAPTER	1	AISI 1146 OR 1141 OR 1045	
4	10000096	DISC PACK	2	301 STAINLESS STEEL	
3	76872	CENTERMEMBER	1	AISI 1146 OR 1141 OR 1045	
2	80755	HUB	1	AISI 1146 OR 1141 OR 1045	
1	77417 E	HUB	1	AISI 1146 OR 1141 OR 1045	

G. CUSTOMER NOTES
CUSTOMER MATERIAL NUMBER: 6CPL100462910006001
PURCHASER: AIR PRODUCT MANUFACTURING LLC
D USER: WORLD ENERGY PARAMOUNT
JOB/PROJECT: WORLD ENERGY RENEWABLES PROJECT
CUST P.O. NO.: 4505610423
SERVICE: RECYCLE OIL PUMPS
INSTALLED AT: PARAMOUNT, CA
PUMP OEM: SULZER PUMPS (US) INC.
SULZER SALES ORDER NO.: 100462910-0060/0061
CUSTOMER TAG NUMBERS: 18-P-359A & 18-P-359B
SULZER SERIAL NO. 650963 & 650964

H. NOTE
BOTH HUB FLANGES TO BE STAMPED WITH THE CUSTOMER PO (4501856202-60), WBS Q/0100462910-0060-113 AND ORDER SAP (1999082-60) ALSO MARKING THE SIZE AND MODEL COUPLING ON THE HUBS.

I. BALANCING INFORMATION
COUPLING CONFORMS TO API 610 11th EDITION
D COUPLING TO BE ASSEMBLY BALANCED PER ISO 1940-1 G2.5 BALANCE CERTIFICATION REQUIRED.

D J. TIGHTENING TORQUE
1. LOCKNUTS TIGHTENING TORQUE, SEE 'J. CAUTION NOTE' (LIGHT OIL LUBRICATION) = 66 FT-LBS [90 Nm]
2. DRIVER & DRIVEN END FLG. HEX HD. CAPSCREWS TIGHTENING TORQUE: (LIGHT OIL LUBRICATION) = 51 FT-LBS [69 Nm]

E B A. TORSIONAL DATA (CALC.)
WT = 50.9 kg [112.2 lbs]
WR^2 = 256830.7 kg-mm^2 [877.6 lbs-in^2]
Kt = 5.48E^5 Nm/rad [4.85E^6 in-lbs/rad]
(BASED ON 1/3 SHAFT PENETRATION FACTOR IN BOTH HUBS)

CENTERLINE OF GRAVITY
DRIVER END
21.4 kg. [47.18 lbs] AT 13.5 mm [0.53 in.] FROM SHAFT END, TOWARDS EQUIPMENT.
DRIVEN END
29.5 kg. [65.04 lbs] AT 29.21 mm [1.15 in.] FROM SHAFT END, TOWARDS EQUIPMENT.

B. COUPLING TORQUE RATINGS
MAXIMUM CONTINUOUS = 5910 Nm [52300 in-lbs]
PEAK OVERLOAD = 11820 Nm [104600 in-lbs]

C. MISALIGNMENT RATINGS
MAX. ANGULAR = 1/3° (PER FLEX ELEMENT)
MAX. PARALLEL OFFSET = 1.96 mm. [0.077 in]
MAX. AXIAL = ±1.80 mm. [±0.071 in] (DOUBLE FLEXING)

D. OPERATING DATA
POWER = 932.1 kW [1250 HP]
SPEED = 3600 RPM
TORQUE = 2472.7 Nm [21884 in-lbs]
SERVICE FACTOR = 2.39

E. CAUTION NOTE
FLEX JOINT LOCKNUTS HAVE BEEN FACTORY TIGHTENED AND ARE NOT TO BE DISTURBED WHEN ASSEMBLING OR DISASSEMBLING ON EQUIPMENT.

A F. ORDER INFORMATION DATA
B P.O. NO.: 4501856202
LINE ITEM: 60
E 1. REF. DRAWING NO.: 2-204502903 & A69838 (PUMP)
2. REF. DRAWING NO.: A69838 (SHAFT NUT)
3. REF. DRAWING NO.: M82D105104 (MOTOR SHAFT)
CUSTOMER: SULZER PUMPS MEXICO, SA de CV

CERTIFIED DRAWING		
CUSTOMER P.O. #:	4501856202	
REXNORD ORDER #:	1999082-60	
REV. #: E	PER: CRN	DATE:APR-18-2023

REVISIONS		
E		

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COUPLING GROUP
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THOMAS
Flexible Couplings

THIRD ANGLE PROJECTION
mm

[INCH]

DR. SHA	4/5/2022	
CHK. SHA	4/7/2022	

COUPLING ASSEMBLY
E 1548 XTSR 71 XL
STANDARD

DRAWING NO. S00090769	REV. E
SAP MTL. 10950234	SHEET 1 OF 1
ORDER NO. 1999082-60	