

ITEM NO.	PART NO.	QTY.	DESCRIPTION	MANUFACTURER	MFR. PART NO.
1	SEE JOB ORDER	2	B-LOC SHRINK DISC	B-LOC CORP	
2	SCREW	8	SCREW, MOTOR SIDE, HHCS, M12 X 30		
3	SEE JOB ORDER	1	HUB, DRIVER SIDE, SYNCHRA 400 COUPLING		
4	SYNCHRA 400	1	SYNCHRA 400 CENTER MEMBER		
5	SCREW	8	SCREW, LOAD SIDE, HHCS, M8 X 60		
6	SEE JOB ORDER	1	HUB, LOAD SIDE, SYNCHRA 400 COUPLING		

REVISIONS					
REV.	DESCRIPTION	DATE	DRAWN	DATE	APPROVED
1	INITIAL RELEASE	3/28/18	LS		

COUPLING DATA:

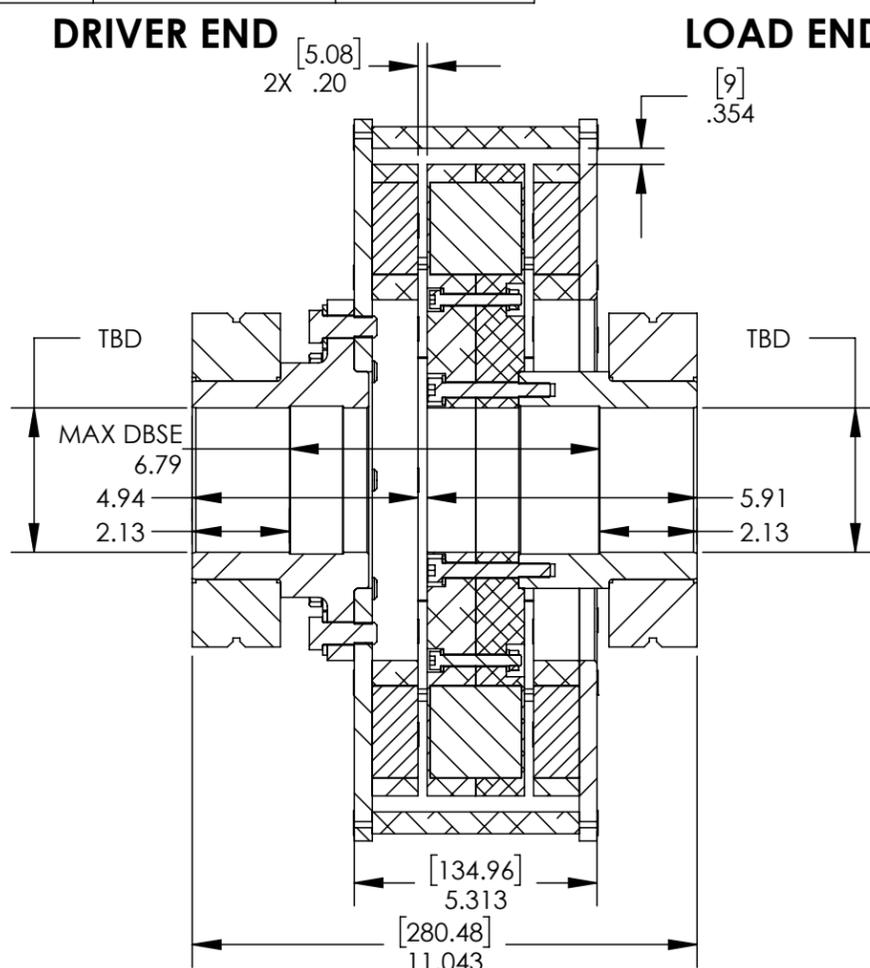
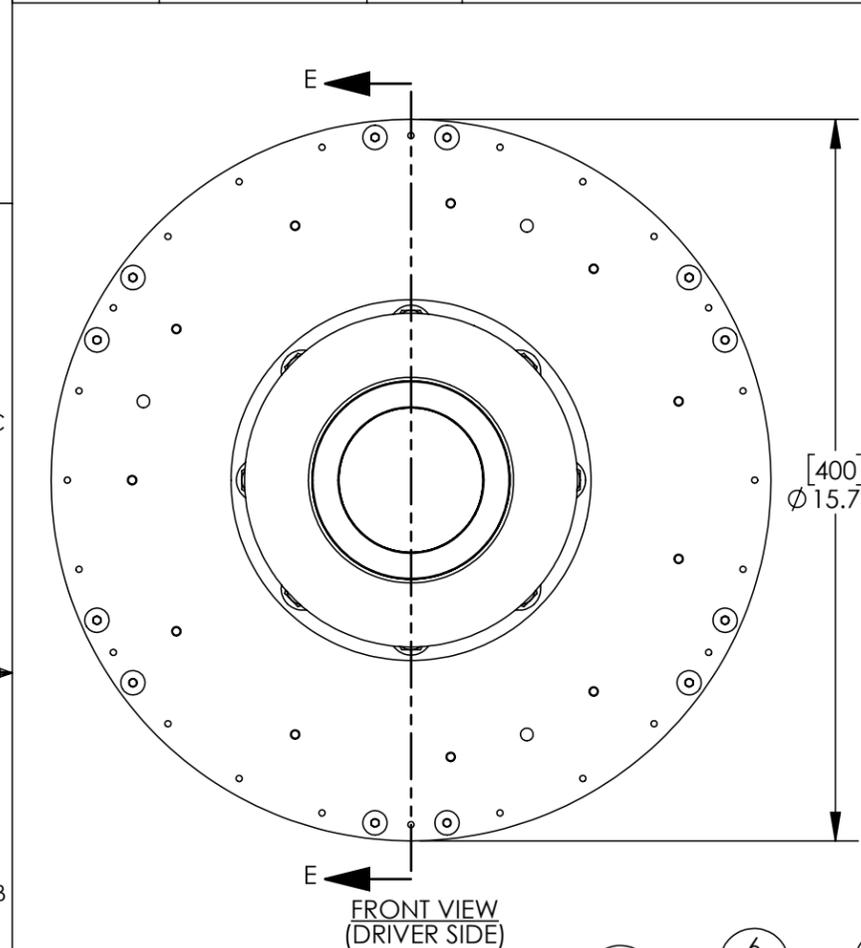
ESTIMATED PEAK TORQUE	1400 FT-LB
WEIGHT MAGNET DRIVER SIDE ASSEMBLY	103 lb (46.7 kg)
WEIGHT MAGNET LOAD SIDE ASSEMBLY	68 lb (30.8 kg)
WEIGHT TOTAL COUPLING	171 lb (77.6 kg)
DRIVER SHAFT END TO MAGNET DRIVER SIDE CG	2.74 inch (69.5 mm)
LOAD SHAFT END TO MAGNET LOAD SIDE CG	1.55 inch (39.2 mm)
INERTIA MAGNET DRIVER SIDE ASSEMBLY	2757 lb*inch ² (.807 kg*m ²)
INERTIA MAGNET LOAD SIDE ASSEMBLY	1372 lb*inch ² (.402 kg*m ²)
MINIMUM DBSE (DISTANCE BETWEEN SHAFT ENDS)	0.25 inch (6 mm)
MAXIMUM DBSE	6.79 inch (172 mm)

APPLICATION DATA:

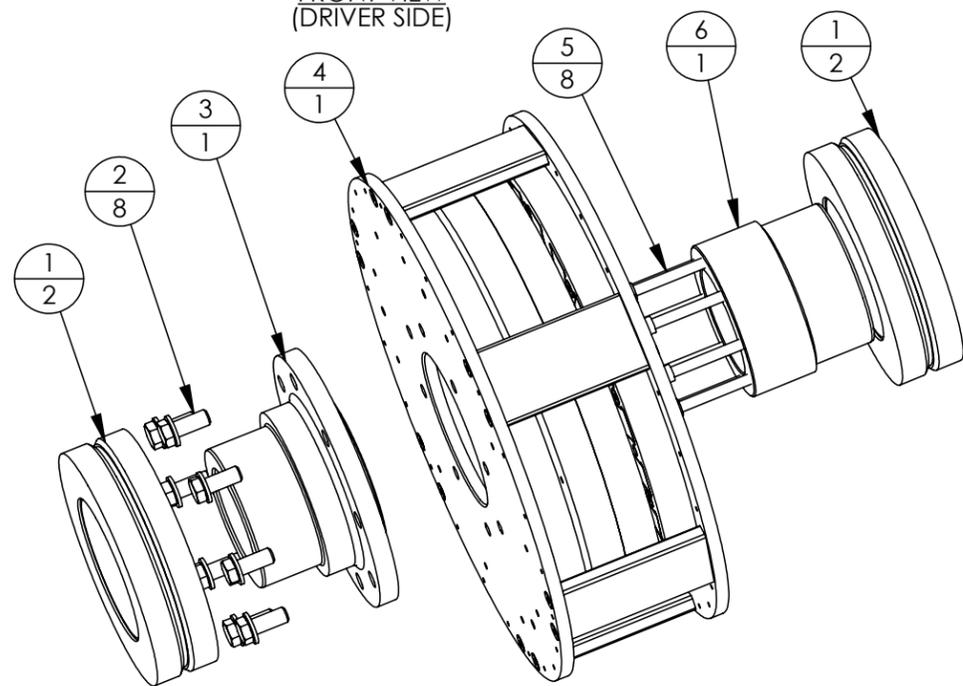
DRIVER EQUIPMENT	MOTOR
DRIVER POWER	100 hp (75 kW)
DRIVER SPEED	945 rpm
DRIVER SHAFT DIAMETER	TBD inch TBD mm)
LOAD EQUIPMENT	CRUSHER
LOAD SHAFT DIAMETER	TBD inch TBD mm)

NOTES:

1. APPLY BLUE LOCTITE #242 OR #246 TO HUB FASTENERS
2. MAXIMUM DIAMETRICAL CLEARANCE BETWEEN SHAFT AND HUB BORE FOR SHAFT SIZES & SHRINK DISCS LISTED ABOVE: .002" [.051mm]



REFERENCE ONLY



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CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE, DO NOT SCALE DRAWING		THIRD ANGLE PROJECTION		MagnaDrive CORPORATION www.magnadrive.com	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: DECIMALS ANGLES XXX ± .005 .X ± .5° XX ± .010 X ± .030		DRAWN	LS	03-28-18	TITLE
MATERIAL		CHECKED			ASSY, TOP, SYNCHRA 400 COUPLING
FINISH		APPROVED			DWG. NO. SYC-400
				REV. 1	SIZE B
				SCALE 3:16	MODEL SYNCHRA 400 COUPLING
				CAD FILE:	EST. WEIGHT 171 LB
				SHEET 1 OF 1	