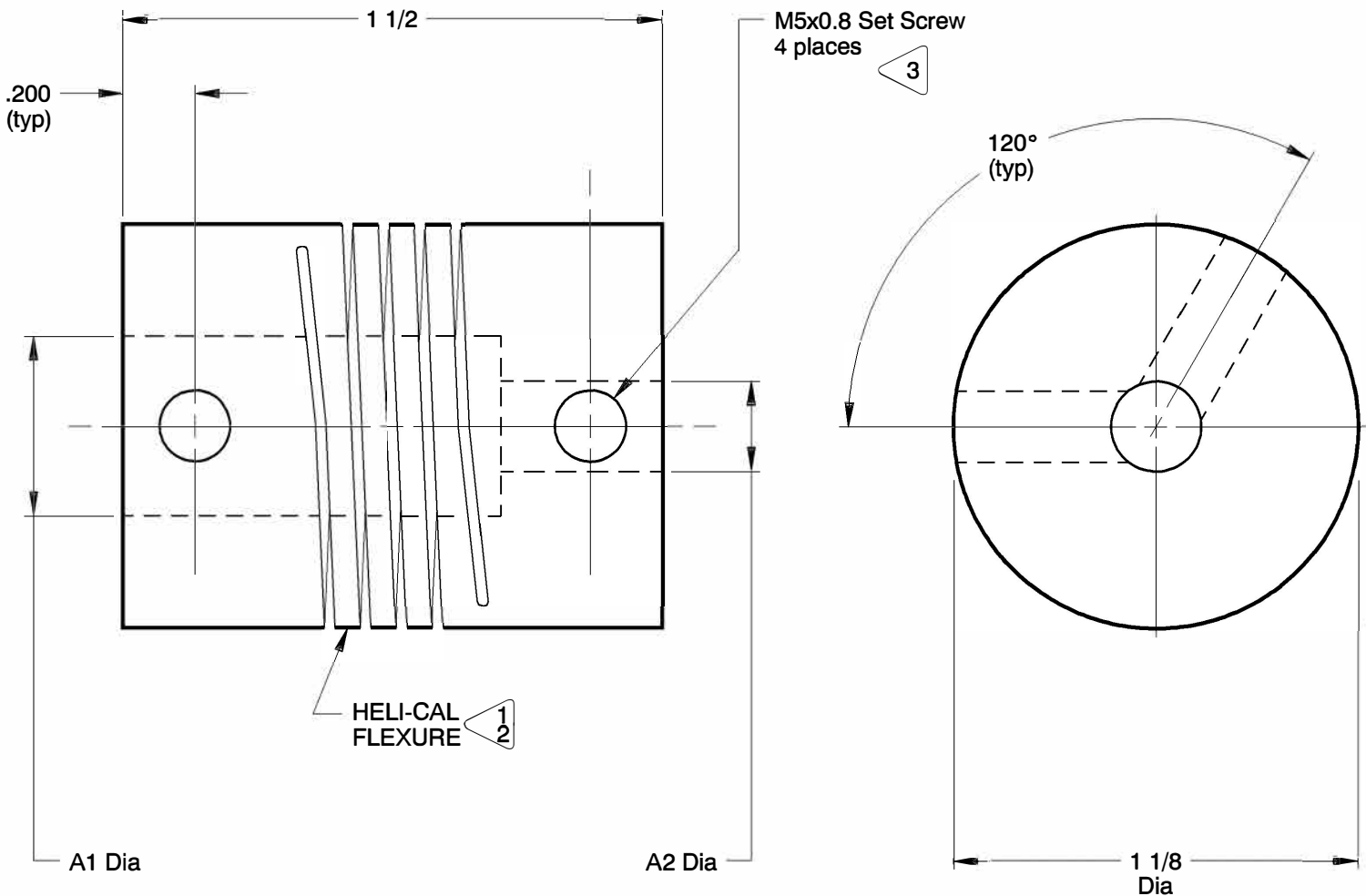


NOTES: See Tabulated Sheet

- 1 Straight thru bore. Shafts must not enter flexure area during operation.* Maximum shaft penetrations: .450in. Minimum shaft end to shaft end: .600in. *A2 shaft may enter flexure area if smaller than opposing bore; data available.
- 2 Hubs and HELI-CAL FLEXURE are made from a single piece of material.
- 3 Set Screw attachment, hex. socket, ISO std., cup point set screw furnished: both hubs. Set Screw size based on bore size:
 .094in thru .187in : M2x0.4
 .188in thru .235in : M4x0.7
 .236in thru .630in : M5x0.8
- 4 Backlash: None. No lubrication required.
- 5 Permitted axial motion from free length: ± .010in.
- 6 RPM: Up to 10,000, depending upon application.
- 7 Working torque ratings are based upon continuous duty with noted misalignments applied separately and may be increased with improved alignment: See Tabulated Sheet
- 8 Permissible shaft misalignment:
 Angular, up to 5 degrees.
 Offset, up to .010in.
 (TIR, .020in.)



HEM112-16-8 SHOWN

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DO NOT SCALE DRAWING.

5-24-99		Clerical format update/ No revision	BJM	MC
DATE	LTR	REVISION	CHK	

Unless otherwise noted dimensions in inches.

Tolerances are:
 Fractions: ± 1/64
 Decimals: .XX ± .010
 .XXX ± .005
 .XXXX ± .0010
 Angles: ± 2 degrees
 Break sharp corners
 .010 max.

APPROVALS	DATE
DRAWN BJM	9-25-89
CHECKED MC	9-27-89
PRODN DH	10-2-89
ISSUED	
WEIGHT	165g (calc)
SCALE 2/1	SIZE A

HELICAL PRODUCTS CO., SANTA MARIA, CA. 93456 U.S.A PHONE (805) 928-3851 FSC13201	
TITLE	HELICAL FLEXIBLE SHAFT COUPLING
MATERIAL	17-4PH CRES HT
FINISH	Natural
DWG NO	HEM112

ADDITION DATE	PART NUMBER	BORE TOLERANCES		TORQUES (lbin)			TORSIONAL FLEXIBILITY deg/lbin	MASS MOMENT OF INERTIA	COMMENTS	A1	A2
		+.002in -.000in	or +.05mm -.00mm	Non-reversing	Shock or Reversing	Momentary					
	HEM112-6mm-6mm	6.00mm	6.00mm	42	21	84					
	HEM112-8-8	.250in	.250in	42	21	84					
	HEM112-8mm-6mm	8.00mm	6.00mm	40	20	81					
04 Dec 90	HEM112-8mm-8mm	8.00mm	8.00mm	40	20	81					
	HEM112-9mm-3mm	9.00mm	3.00mm	38	19	77					
29 Dec 88	HEM112-10mm-8mm	10.00mm	8.00mm	36	18	72					
23 Jun 89	HEM112-10mm-10mm	10.00mm	10.00mm	36	18	72					
	HEM112-11mm-11mm	11.00mm	11.00mm	34	17	68					
	HEM112-12mm-10mm	12.00mm	10.00mm	31	16	63					
	HEM112-12mm-12mm	12.00mm	12.00mm	31	16	63					
	HEM112-16-16	.500in	.500in	29	15	59					
	HEM112-14mm-14mm	*14.00mm	*14.00mm	29	15	59					
16 Oct 00	HEM112-15mm-8mm	*15.00mm	8.00mm	29	15	59					
15 Dec 04	HEM112-16mm-8mm	*16.00mm	8.00mm	29	15	59					
02 Dec 99	HEM112-16mm-10mm	*16.00mm	10.00mm	29	15	59					
	HEM112-16mm-16mm	*16.00mm	*16.00mm	29	15	59					
26 Aug 15	HEM112-16mm-13mm	*16.00mm	*13.00mm	29	15	59					
11 Apr 19	HEM112-16mm-8	*16.00mm	.250in	29	15	59					

*** NOTE: Bores greater than .512in Dia: bore depth is .450in**

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ADDITIONAL BORE SIZES AVAILABLE UPON REQUEST

APPROVALS	DATE
DRAWN	
CHECKED	
PRODN	
ISSUED	4/25/2006 9: 47: 49 AM

HELICAL PRODUCTS CO.
SANTA MARIA, CA. 93456 U.S.A
PHONE (805) 928-3851 FSCI3201

TITLE **HELICAL FLEXIBLE SHAFT COUPLING**

TABULATED BORE SIZES

DWG NO **HEM112**

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