NOTES: See Tabulated Sheet

1. Relief permits component shafts to near butt.
2. Hubs and HELI-CAL FLEXURE are made from a single piece of material.
3. Set Screw attachment, hex. socket, cup point set screw furnished: both hubs.

   Set Screw size based on bore size:

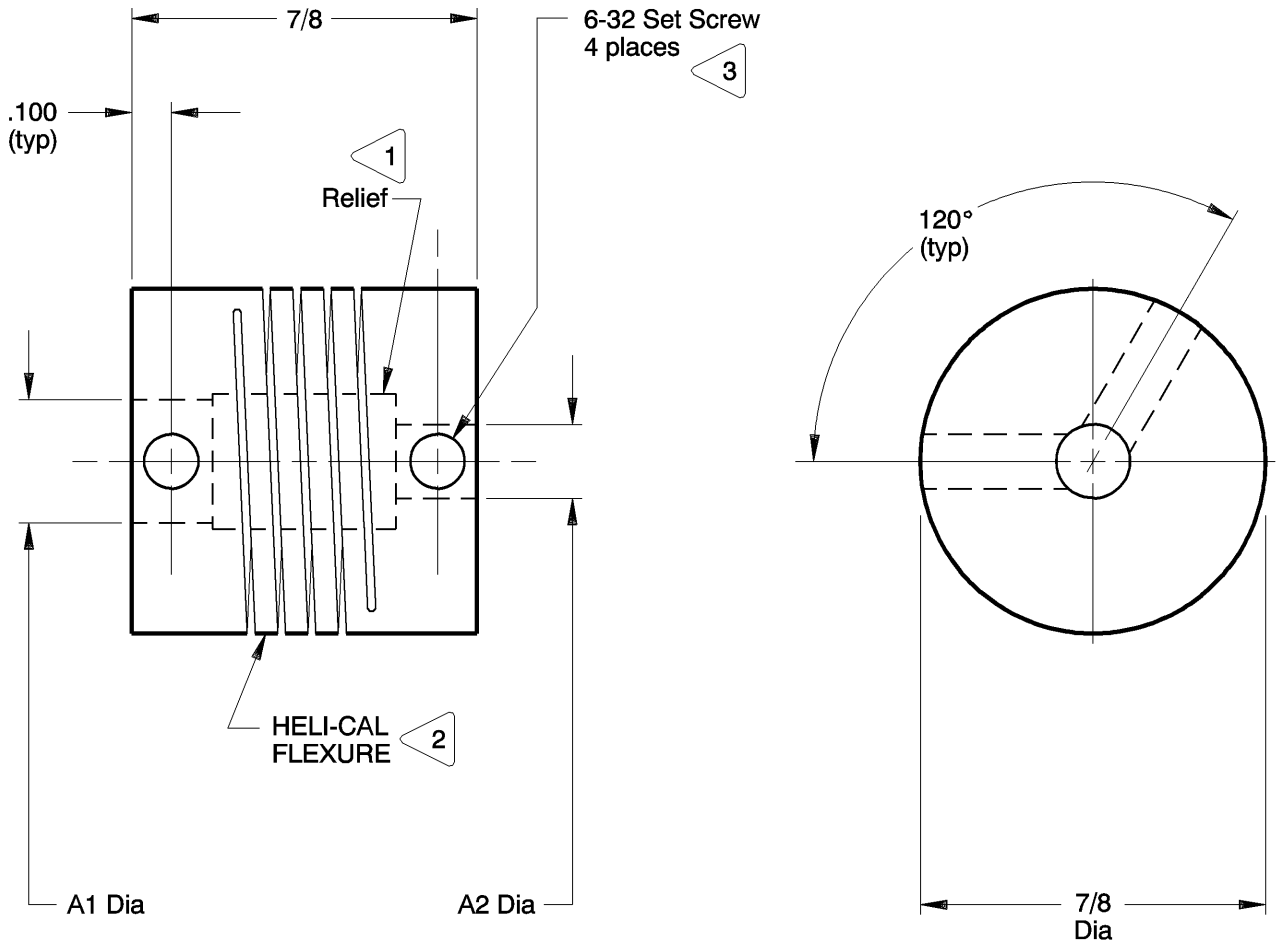
   .090in thru .093in : 1-72
   .094in thru .124in : 2-56
   .125in thru .155in : 4-40
   .156in thru .630in : 6-32

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.)



HR087-10-6 SHOWN

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DO NOT SCALE DRAWING.

DATE	LTR	REVISION	CHK
5-21-99		Clerical format update/ No revision BJM	MC

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 JO	1-26-87
CHECKED MC	6-23-87
PRODN APA	7-2-87
ISSUED	
WEIGHT 57g (calc)	
SCALE 2/1	SIZE A

HELICAL PRODUCTS CO., INC.
P.O. BOX 1069 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	HR087

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ADDITION DATE	PART NUMBER	BORE TOLERANCES +.002in -.000in or +.05mm -.00mm A1 Dia	BORE TOLERANCES A2 Dia	TORQUES (lbin) Non-reversing	TORQUES (lbin) Shock or Reversing	TORQUES (lbin) Momentary	TORSIONAL FLEXIBILITY deg/lbin	MASS MOMENT OF INERTIA	COMMENTS A1	COMMENTS A2
09 Mar 88	HR087-4-4	.125in	.125in	19	9	37				
09 Mar 88	HR087-6-6	.188in	.188in	18	9	37				
11 Oct 01	HR087-7-6	.219in	.188in	18	9	36				
17 Feb 89	HR087-6mm-6mm	6.00mm	6.00mm	17	9	35				
09 Mar 88	HR087-8-3.81mm	.250in	3.81mm	17	8	34				
05 Oct 00	HR087-8-4mm	.250in	4.00mm	17	8	34				
	HR087-8-6	.250in	.188in	17	8	34				
04 Jan 90	HR087-8-6mm	.250in	6.00mm	17	8	34				
09 Mar 88	HR087-8-8	.250in	.250in	17	8	34				
	HR087-10-6	.313in	.188in	15	7	30				
22 Aug 89	HR087-10-6mm	.313in	6.00mm	15	7	30				
	HR087-10-8	.313in	.250in	15	7	30				
09 Mar 88	HR087-10-10	.313in	.313in	15	7	30				
09 Mar 88	HR087-8mm-8	8.00mm	.250in	15	7	30				
	HR087-12-8	* .375in	.250in	15	7	30				
21 Nov 00	HR087-12-12	* .375in	* .375in	15	7	30				

* NOTE: Bores greater than .315in Dia: bore depth is .205in

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ADDITIONAL BORE SIZES AVAILABLE UPON REQUEST

APPROVALS	DATE
DRAWN	
CHECKED	
PRODN	
ISSUED	4/25/2006 8:21:02 AM

HELICAL PRODUCTS CO. INC
P.O. BOX 1069 SANTA MARIA, CA. 93456 U.S.A
PHONE (805) 928-3851 FSCI3201

TITLE HELICAL FLEXIBLE SHAFT COUPLING

TABULATED BORE SIZES

DWG NO HR087

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