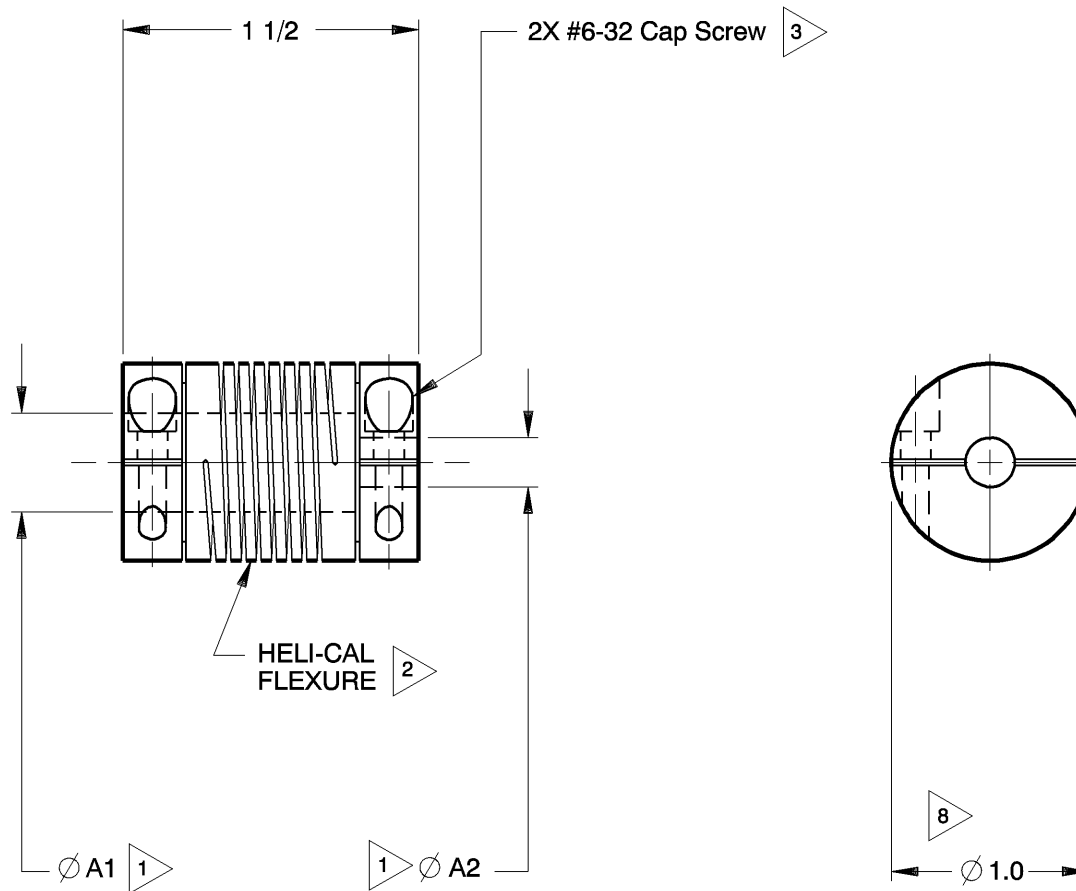


NOTES: See Tabulated Sheet

- 1 Step bore. A2 shaft may enter flexure area during operation.

Maximum shaft penetration:
A1 bore - .390in
- 2 Hubs and HELI-CAL FLEXURE are made from a single piece of material.
- 3 Integral Clamp attachment, hex. socket, cap screw furnished: both hubs.
- 4 Backlash: None.
No lubrication required.
- 5 Permitted axial motion from free length: ± .150in
- 6 Working torque ratings are based upon continuous duty with noted misalignments applied separately and may be increased with improved alignment:
See Tabulated Sheet
- 7 Permissible shaft misalignment:
Angular, up to 30 degrees.
Offset, up to .050in (TIR, .100in)
- 8 Part will have a 1.146in Clearance Diameter on both ends when any bore is over .407in thru .563in.



9603-16-8 SHOWN

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DO NOT SCALE DRAWING.

02-22-10	A	Revised ECR#09121602 JAJ	HG
DATE	LTR	REVISION	CHK

Unless otherwise noted dimensions in inches.

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

APPROVALS	DATE
DRAWN BJM	11-3-97
CHECKED	
PRODN	
ISSUED	
WEIGHT	37.2g (calc)
SCALE 1/1	SIZE A

HELICAL PRODUCTS CO., INC. P.O. BOX 1069 SANTA MARIA, CA. 93456 U.S.A PHONE (805) 928-3851 FSC13201	
TITLE	HELICAL FLEXURED "U" JOINT
MATERIAL	7075-T6 Aluminum Alloy
FINISH	Anodize per HPS1000
DWG NO	9603
REV	A

ADDITION DATE	PART NUMBER	BORE TOLERANCES		TORQUES (lbin)			TORSIONAL FLEXIBILITY	MASS MOMENT OF INERTIA	COMMENTS	
		+.002in or +0.05mm -.000in 0		Non-reversing	Shock or Reversing	Momentary			A1	A2
		∅A1	∅A2							
3 NOV 97	9603-16-8	.500in	.250in	7.6	3.8	15				

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APPROVALS	DATE	HELICAL PRODUCTS CO. INC P.O. BOX 1069 SANTA MARIA, CA. 93456 U.S.A PHONE (805) 928-3851 FSCI3201	
DRAWN BJM	11-3-97		
CHECKED			TITLE HELICAL FLEXURED "U" JOINT
PRODN			TABULATED BORE SIZES
ISSUED			DWG NO 9603 REV A