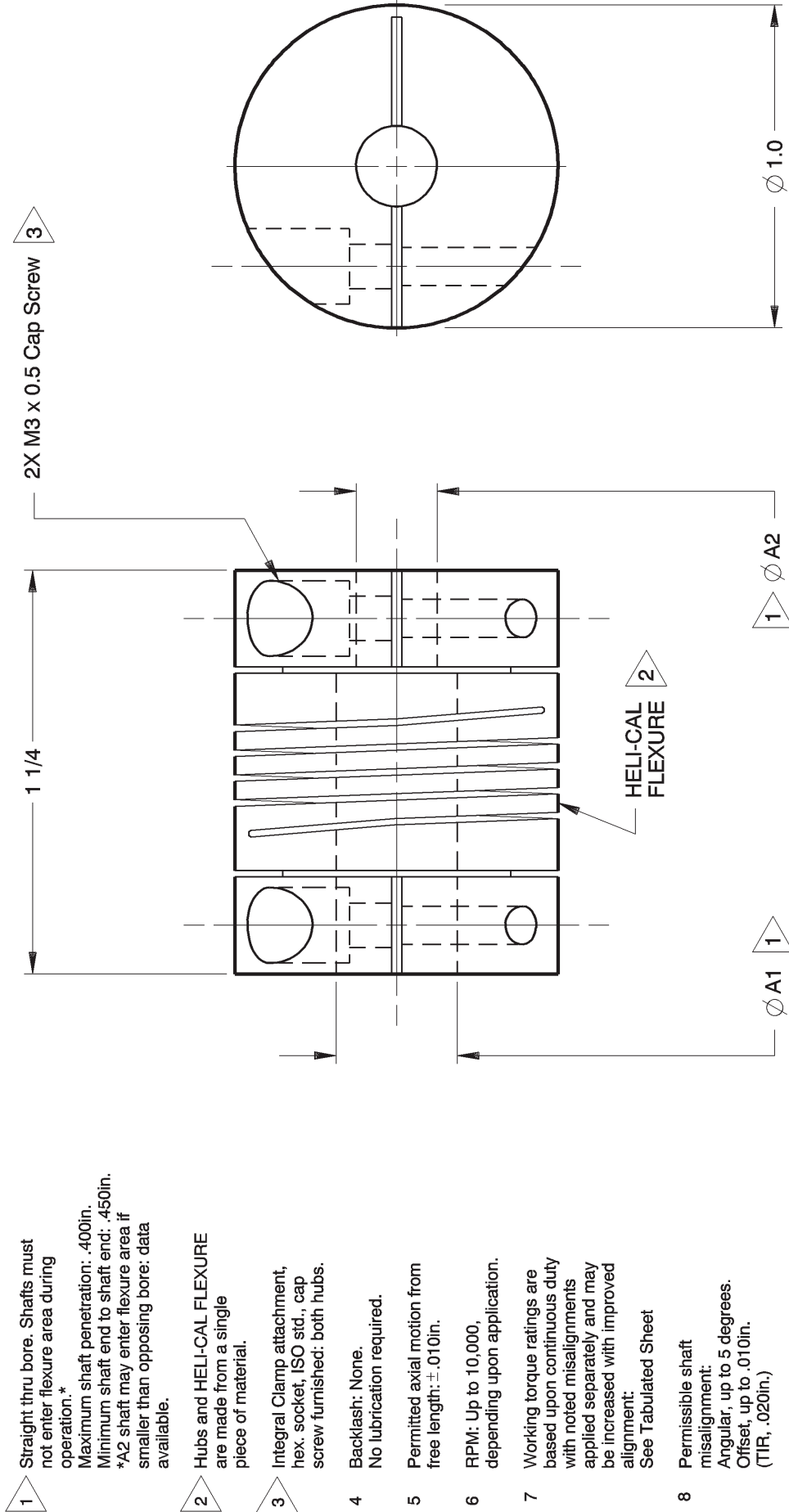


NOTES: See Tabulated Sheet



ACM100-12-8 SHOWN

- 1 Straight thru bore. Shafts must not enter flexure area during operation.*
- 2 Hubs and HELI-CAL FLEXURE are made from a single piece of material.
- 3 Integral Clamp attachment, hex. socket, ISO std., cap screw furnished: both hubs.
- 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.)
- 9 Part will have a 1.136in. Clearance Diameter on both ends when any bore is over .444in. thru .588in.

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DO NOT SCALE DRAWING.

12-18-09

Finish was Chromic Acid Anodize; Updated GD&T

JAJ

2-25-99

Clerical format update/ No revision

MC

DATE

REVISION

CHK

Unless otherwise noted dimensions in inches.
 Inch Fractions: ± 1/64
 Decimals: .XX ±.010
 .XXX ±.005
 .XXXX ±.0010
 Metric Decimals: X ± 0.5mm
 X.X ± 0.25mm
 X.XX ± 0.15mm
 Angles: ± 2 degrees
 Break sharp corners .010 max.

APPROVALS	DATE
DRAWN MM	3-20-79
CHECKED MC	3-20-79
PRODN APA	3-20-79
ISSUED	
WEIGHT	39g (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	7075-T6 Aluminum Alloy
FINISH	Anodize per HPS1000
DWG NO	ACM100

ADDITION DATE	PART NUMBER	BORE TOLERANCES		TORQUES (lbin)			TORSIONAL FLEXIBILITY deg/lbin	MASS MOMENT OF INERTIA	COMMENTS	
		+002in -000in	+05mm -00mm	Non-reversing	Shock or Reversing	Momentary				
										A1 Dia
09 Mar 88	ACM100-12-8	.375in	.250in	14	7	28			A1	A2
09 Mar 88	ACM100-12-10	.375in	.313in	14	7	28				
09 Mar 88	ACM100-12-8mm	.375in	8.00mm	14	7	28				
09 Mar 88	ACM100-12-12	.375in	.375in	14	7	28				
10 May 11	ACM100-10mm-3mm	*10.00mm	3.00mm	14	7	28				
05 Jul 12	ACM100-10mm-4mm	*10.00mm	4.00mm	14	7	28				
20 May 88	ACM100-10mm-6mm	*10.00mm	6.00mm	14	7	28				
20 Jul 01	ACM100-10mm-8	*10.00mm	.250in	14	7	28				
	ACM100-10mm-6.4mm	*10.00mm	6.40mm	14	7	28				
	ACM100-10mm-6.48mm	*10.00mm	6.48mm	14	7	28				
01 Oct 07	ACM100-10mm-6.5mm	*10.00mm	6.50mm	14	7	28				
05 Dec 02	ACM100-10mm-10	*10.00mm	.313in	14	7	28				
	ACM100-10mm-12	*10.00mm	.375in	14	7	28				
09 Mar 88	ACM100-10mm-10mm	*10.00mm	*10.00mm	14	7	28				
10 Jan 01	ACM100-11mm-6mm	*11.00mm	6.00mm	14	7	28				
	ACM100-11mm-11mm	*11.00mm	*11.00mm	14	7	28				
10 May 11	ACM100-12mm-3mm	*12.00mm	3.00mm	14	7	28				Clearance Diam.: 1.136in
	ACM100-12mm-6mm	*12.00mm	6.00mm	14	7	28				Clearance Diam.: 1.136in
	ACM100-12mm-8	*12.00mm	.250in	14	7	28				Clearance Diam.: 1.136in
06 Aug 10	ACM100-12mm-6.5mm	*12.00mm	6.50mm	14	7	28				Clearance Diam.: 1.136in
	ACM100-12mm-8mm	*12.00mm	8.00mm	14	7	28				Clearance Diam.: 1.136in
06 Aug 10	ACM100-12mm-8.5mm	*12.00mm	8.50mm	14	7	28				Clearance Diam.: 1.136in
20 May 88	ACM100-12mm-12	*12.00mm	.375in	14	7	28				Clearance Diam.: 1.136in
	ACM100-12mm-10mm	*12.00mm	*10.00mm	14	7	28				Clearance Diam.: 1.136in
	ACM100-12mm-11mm	*12.00mm	*11.00mm	14	7	28				Clearance Diam.: 1.136in
09 Mar 88	ACM100-12mm-12mm	*12.00mm	*12.00mm	14	7	28				Clearance Diam.: 1.136in
05 Aug 02	ACM100-16-6mm	*.500in	6.00mm	14	7	28				Clearance Diam.: 1.136in
06 Aug 10	ACM100-12.8mm-6mm	*12.80mm	6.00mm	14	7	28				Clearance Diam.: 1.136in
06 Aug 10	ACM100-12.8mm-6.5mm	*12.80mm	6.50mm	14	7	28				Clearance Diam.: 1.136in
29 Nov 10	ACM100-12.8mm-8mm	*12.80mm	8.00mm	14	7	28				Clearance Diam.: 1.136in
29 Nov 10	ACM100-12.8mm-8.5mm	*12.80mm	8.50mm	14	7	28				Clearance Diam.: 1.136in

*** NOTE: Bore depth is .310in**

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 ACM100

APPROVALS DATE

DRAWN

CHECKED

PRODN

ISSUED 7/5/2012 12:22:24 PM

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ADDITIONAL BORE SIZES AVAILABLE UPON REQUEST

ADDITION DATE	PART NUMBER	BORE TOLERANCES		TORQUES (lb.in)			TORSIONAL FLEXIBILITY	MASS MOMENT OF INERTIA	COMMENTS	
		+0.002in -0.000in	+0.05mm or -0.00mm	A1 Dia	A2 Dia	Non-reversing			Shock or Reversing	Momentary
20 Feb 02	ACM100-14mm-6mm	*14.00mm	6.00mm	14	7	28			1.136in	Clearance Diam.:
16 Mar 00	ACM100-14mm-8	*14.00mm	.250in	14	7	28			1.136in	Clearance Diam.:
24 Apr 01	ACM100-14mm-8mm	*14.00mm	8.00mm	14	7	28			1.136in	Clearance Diam.:
15 Mar 17	ACM100-10mm-7mm	10.00mm	7.00mm	14	7	28				
9 JAN 18	ACM100-11mm-5mm	11.00mm	5.00mm	14	7	28				
13 Sept 18	ACM100-8-4	.250in	.125in	18	9	36				
13 Sept 18	ACM100-8-4mm	.250in	4.00mm	18	9	36				
13 Sept 18	ACM100-12-4.5mm	.375in	4.50mm	14	7	28				
13 Sept 18	ACM100-12-8mm	.375in	8.00mm	14	7	28				
13 Sept 18	ACM100-16-12mm	.500in	12.00mm	14	7	28				Clearance Diam.:
14 Sept 18	ACM100-3mm-2.3mm	3.00mm	2.30mm	20	10	40				
14 Sept 18	ACM100-4-3mm	.125in	3.00mm	19	9	37				
14 Sept 18	ACM100-5mm-2.3mm	5.00mm	2.30mm	18	9	36				
14 Sept 18	ACM100-5mm-4	5.00mm	.125in	18	9	36				
18 Sept 18	ACM100-4-4	.125in	.125in	19	9	37				

*** NOTE: Bores greater than .375in Dia: bore depth is .310in**

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

TITLE HELICAL FLEXIBLE SHAFT COUPLING
TABULATED BORE SIZES

DWG NO ACM100

APPROVALS	DATE
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PRODN	
ISSUED	7/5/2012 12:22:24 PM

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ADDITIONAL BORE SIZES AVAILABLE UPON REQUEST