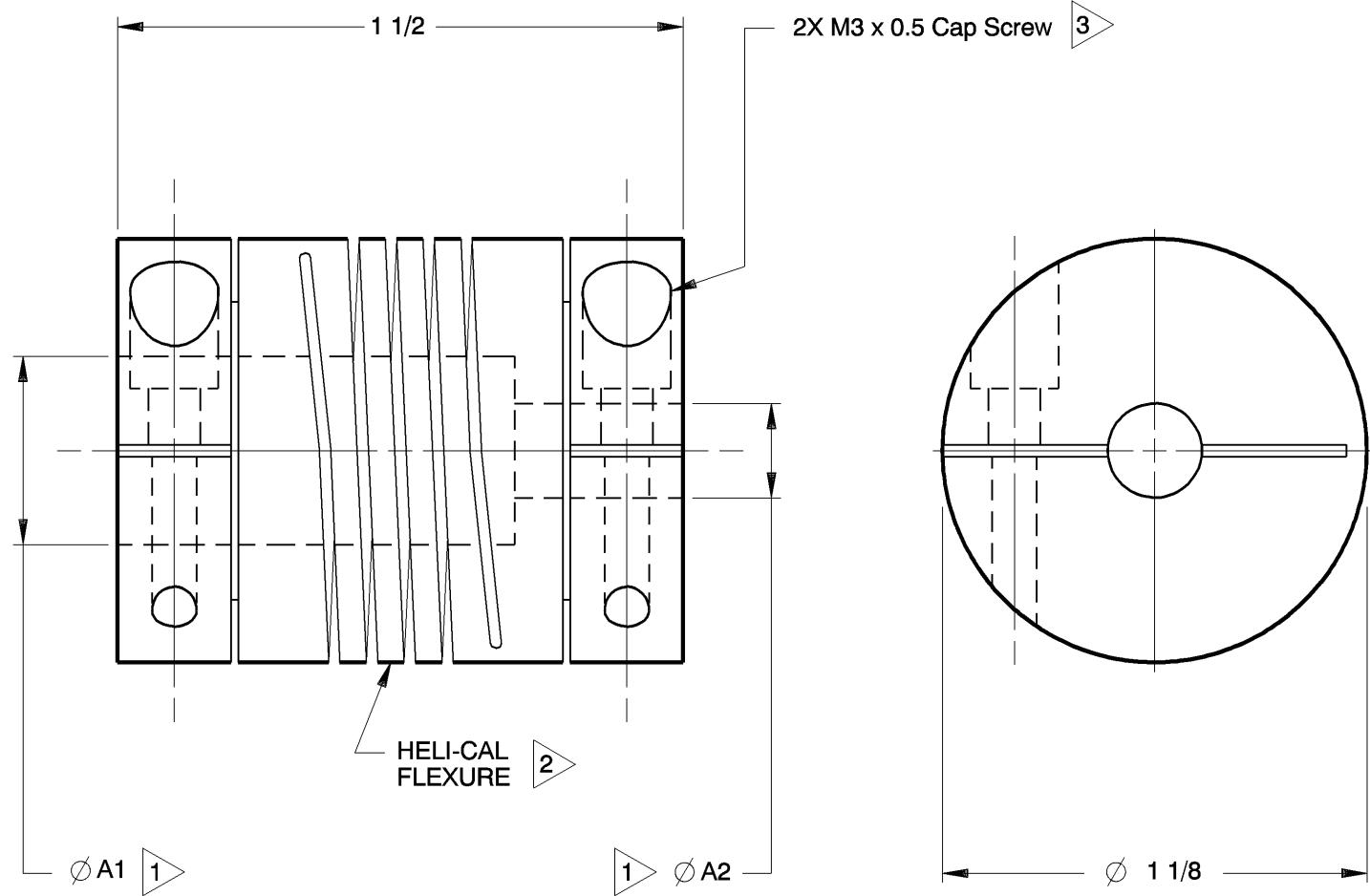


NOTES: See Tabulated Sheet

- 1 Straight thru bore. Shafts must not enter flexure area during operation.*
Maximum shaft penetration: .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 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 1.257in. Clearance Diameter on both ends when any bore is over .567in. thru .709in.



ACM112-16-8 SHOWN

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DO NOT SCALE DRAWING.

12-18-09	---	Finish was Chromic Acid Anodize; Updated GD&T	HG	JAJ	Unless otherwise noted dimensions in inches. Inch Fractions: ± 1/64 Decimals: .XX ± .010 .XXX ± .005 .XXX ± .0010 Metric Decimals: X ± 0.5mm X.X ± 0.25mm X.XX ± 0.15mm Angles: ± 2 degrees Break sharp corners .010 max.	APPROVALS	DATE	HELICAL PRODUCTS CO., INC. P.O. BOX 1069 SANTA MARIA, CA. 93456 U.S.A PHONE (805) 928-3851 FSC13201			
						DRAWN	MM			10-12-79	
2-25-99		Clerical format update/ No revision	BJM	MC		CHECKED	MC	10-12-79	TITLE	HELICAL FLEXIBLE SHAFT COUPLING	
						ISSUED			MATERIAL	7075-T6 Aluminum Alloy	
DATE	LTR	REVISION	CHK			WEIGHT	57g (calc)	FINISH	Anodize per HPS1000		
						SCALE	2/1	SIZE	A	DWG NO	ACM112

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
		A1 Dia		A2 Dia								
	ACM112-3mm-3mm	3.00mm		3.00mm	24	12	48					
26 Aug 05	ACM112-5mm-5mm	5.00mm		5.00mm	33	17	66					
	ACM112-6mm-6mm	6.00mm		6.00mm	32	16	64					
09 Mar 88	ACM112-8-8	.250in		.250in	32	16	64					
	ACM112-8mm-4mm	8.00mm		4.00mm	28	14	56					
09 Mar 88	ACM112-8mm-8mm	8.00mm		8.00mm	28	14	56					
09 Mar 88	ACM112-12-6	.375in		.188in	24	12	48					
09 Mar 88	ACM112-12-6mm	.375in		6.00mm	24	12	48					
	ACM112-12-8	.375in		.250in	24	12	48					
09 Jan 08	ACM112-12-12	.375in		.375in	24	12	48					
	ACM112-10mm-3mm	10.00mm		3.00mm	24	12	48					
	ACM112-10mm-8	10.00mm		.250in	24	12	48					
18 May 88	ACM112-10mm-10mm	10.00mm		10.00mm	24	12	48					

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

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ADDITIONAL BORE SIZES AVAILABLE UPON REQUEST

APPROVALS	DATE	HELICAL PRODUCTS CO. INC P.O. BOX 1069 SANTA MARIA, CA. 93456 U.S.A PHONE (805) 928-3851 FSCI3201
DRAWN		
CHECKED		
PRODN		
ISSUED	4/2/2012 10:39:17 AM	TITLE HELICAL FLEXIBLE SHAFT COUPLING TABULATED BORE SIZES DWG NO ACM112

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ADDITION DATE	PART NUMBER	BORE TOLERANCES		TORQUES (lbin)			TORSIONAL FLEXIBILITY	MASS MOMENT OF INERTIA	COMMENTS	A1	A2	
		+.002in -.000in	or +.05mm -.00mm	Non-reversing	Shock or Reversing	Momentary						deg/lbin
	ACM112-11mm-7mm	11.00mm	7.00mm	22	11	44						
	ACM112-11mm-11mm	11.00mm	11.00mm	22	11	44						
12 Oct 89	ACM112-12mm-6mm	12.00mm	6.00mm	21	10	42						
	ACM112-12mm-8	12.00mm	.250in	21	10	42						
12 Oct 89	ACM112-12mm-8mm	12.00mm	8.00mm	21	10	42						
10 Jul 90	ACM112-12mm-12	12.00mm	.375in	21	10	42						
15 Jan 91	ACM112-12mm-12mm	12.00mm	12.00mm	21	10	42						
09 Mar 88	ACM112-16-8	.500in	.250in	20	10	40						
09 Mar 88	ACM112-16-12	.500in	.375in	20	10	40						
18 May 88	ACM112-16-12mm	.500in	12.00mm	20	10	40						
09 Mar 88	ACM112-16-16	.500in	.500in	20	10	40						
	ACM112-13mm-8mm	13.00mm	8.00mm	20	10	40						
	ACM112-14mm-6	*14.00mm	.188in	20	10	40						
21 May 02	ACM112-14mm-5mm	*14.00mm	5.00mm	20	10	40						
26 Jul 90	ACM112-14mm-6mm	*14.00mm	6.00mm	20	10	40						
22 Jan 91	ACM112-14mm-8	*14.00mm	.250in	20	10	40						
08 Aug 89	ACM112-14mm-8mm	*14.00mm	8.00mm	20	10	40						
	ACM112-14mm-10mm	*14.00mm	10.00mm	20	10	40						
	ACM112-14mm-11mm	*14.00mm	11.00mm	20	10	40						
08 Aug 89	ACM112-14mm-12mm	*14.00mm	12.00mm	20	10	40						
	ACM112-14mm-14mm	*14.00mm	*14.00mm	20	10	40						
12 Jan 01	ACM112-15mm-6mm	*15.00mm	6.00mm	20	10	40		Clearance Diam.:	1.257in			
	ACM112-15mm-8mm	*15.00mm	8.00mm	20	10	40		Clearance Diam.:	1.257in			
	ACM112-15mm-12	*15.00mm	.375in	20	10	40		Clearance Diam.:	1.257in			
	ACM112-15mm-10mm	*15.00mm	10.00mm	20	10	40		Clearance Diam.:	1.257in			
30 Dec 02	ACM112-15mm-12mm	*15.00mm	12.00mm	20	10	40		Clearance Diam.:	1.257in			
20 Dec 11	ACM112-15mm-16	*15.00mm	.500in	20	10	40		Clearance Diam.:	1.257in			
31 May 89	ACM112-15mm-15mm	*15.00mm	*15.00mm	20	10	40		Clearance Diam.:	1.257in			
15 Jan 91	ACM112-20-20	*.625in	*.625in	20	10	40		Clearance Diam.:	1.257in			
	ACM112-16mm-6mm	*16.00mm	6.00mm	20	10	40		Clearance Diam.:	1.257in			
18 May 88	ACM112-16mm-8mm	*16.00mm	8.00mm	20	10	40		Clearance Diam.:	1.257in			

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

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ADDITIONAL BORE SIZES AVAILABLE UPON REQUEST

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CHECKED		TITLE
PRODN		HELICAL FLEXIBLE SHAFT COUPLING
ISSUED	4/2/2012 10:39:17 AM	DWG NO TABULATED BORE SIZES ACM112

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ADDITION DATE	PART NUMBER	BORE TOLERANCES		TORQUES (lbin)			TORSIONAL FLEXIBILITY deg/lbin	MASS MOMENT OF INERTIA	COMMENTS	A1	A2
		+0.002in -0.000in	or +0.05mm -0.00mm	Non-reversing	Shock or Reversing	Momentary					
02 Apr 12	ACM112-16mm-12	*16.00mm	.375in	20	10	40			Clearance Diam.:	1.257in	
	ACM112-16mm-10mm	*16.00mm	10.00mm	20	10	40			Clearance Diam.:	1.257in	
18 May 88	ACM112-16mm-12mm	*16.00mm	12.00mm	20	10	40			Clearance Diam.:	1.257in	
24 Apr 01	ACM112-16mm-14mm	*16.00mm	*14.00mm	20	10	40			Clearance Diam.:	1.257in	
18 May 88	ACM112-16mm-16mm	*16.00mm	*16.00mm	20	10	40			Clearance Diam.:	1.257in	

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

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ADDITIONAL BORE SIZES AVAILABLE UPON REQUEST

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DRAWN		
CHECKED		TITLE HELICAL FLEXIBLE SHAFT COUPLING
PRODN		TABULATED BORE SIZES
ISSUED	4/2/2012 10:39:17 AM	DWG NO ACM112

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