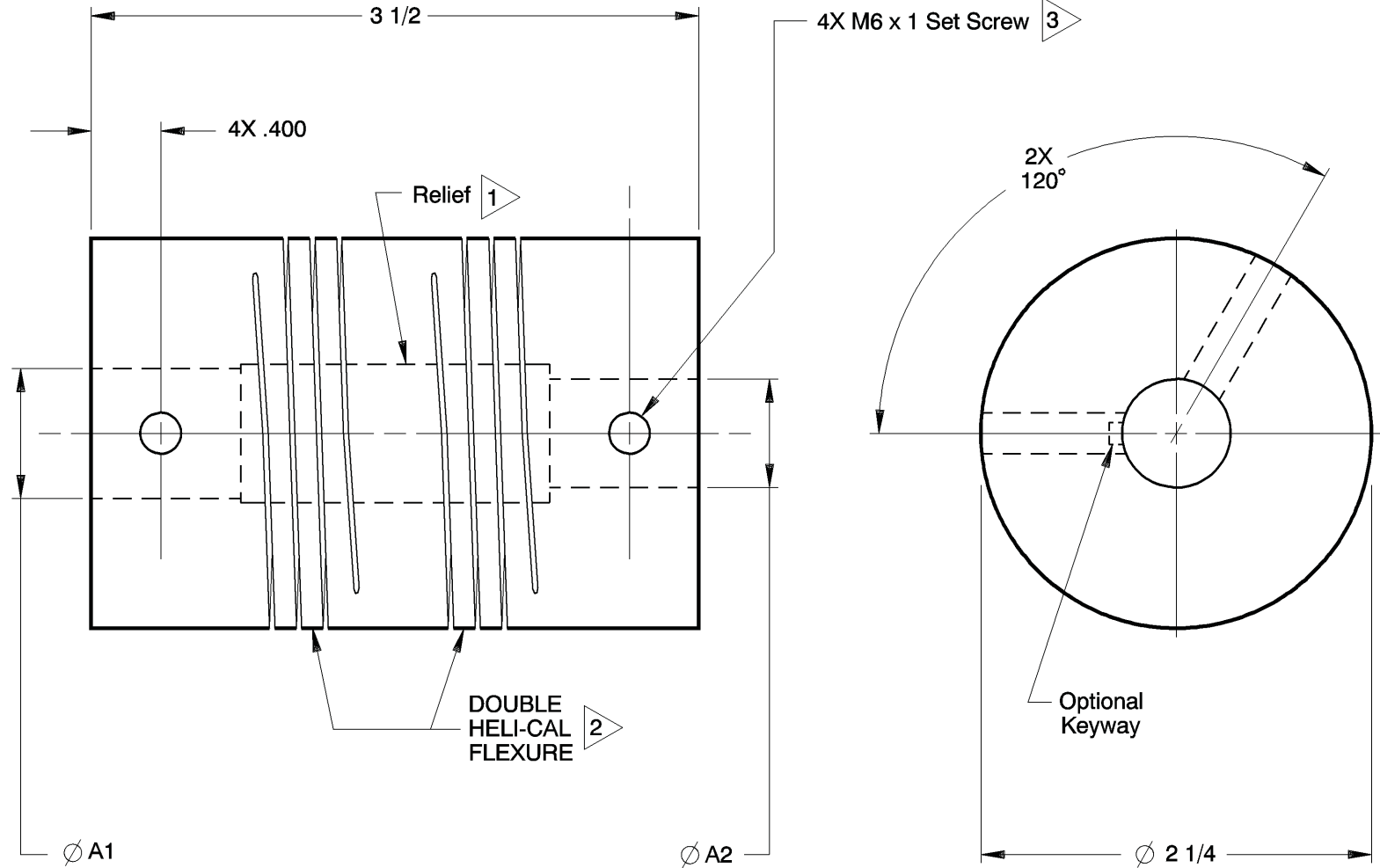


NOTES: See Tabulated Sheet

- 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, ISO std., cup point set screw furnished: both hubs. Set Screw size based on bore size:
 .250in thru .312in : M5x0.8
 .313in thru 1.750in : M6x1
- 4 Backlash: None.
No lubrication required.
- 5 Permitted axial motion from free length: ± .010in
- 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 5 degrees.
Offset, up to .030in (TIR, .060in)



MCAM225-24-20 SHOWN

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DO NOT SCALE DRAWING.

01-25-10	---	Finish was Chromic Acid Anodize; Updated GD&T	HG	JAJ
11-18-98		Clerical format update/ No revision	BJM	
DATE	LTR	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 ER	2-2-82
CHECKED MC	2-2-82
PRODN APA	2-2-82
ISSUED	
WEIGHT	550g (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	
MATERIAL	7075-T6 Aluminum Alloy
FINISH	Anodize per HPS1000
DWG NO	MCAM225

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								
07 Jul 00	MCAM225-12-12	.375in	.375in	165	82	330					
09 Mar 88	MCAM225-10mm-10mm	10.00mm	10.00mm	160	80	320					
13 Mar 12	MCAM225-12mm-12mm	12.00mm	12.00mm	160	80	320					
	MCAM225-14mm-12mm	14.00mm	12.00mm	158	79	316					
09 Mar 88	MCAM225-15mm-15mm	15.00mm	15.00mm	152	76	304					
19 Jun 12	MCAM225-20K4-10mm	.625in	10.00mm	150	75	300		Keyway Width:	.188/.190in		
09 Mar 88	MCAM225-20-20	.625in	.625in	150	75	300					
	MCAM225-16mm-10mm	16.00mm	10.00mm	145	72	290					
03 Nov 88	MCAM225-16mm-16mm	16.00mm	16.00mm	145	72	290					
19 Jun 89	MCAM225-18mmQ6-15mmQ5	18.00mm	15.00mm	130	65	260		Keyway Width:	6.00/6.05mm5.00/5.05mm		
07 Jul 08	MCAM225-19mm-14mm	19.00mm	14.00mm	125	62	250					
22 Dec 08	MCAM225-19mmQ5-14mmQ5	19.00mm	14.00mm	125	62	250		Keyway Width:	5.00/5.05mm5.00/5.05mm		
	MCAM225-19mmQ6-20K4	19.00mm	.625in	125	62	250		Keyway Width:	6.00/6.05mm.188/.190in		
20 Jul 88	MCAM225-19mm-16mm	19.00mm	16.00mm	125	62	250					
	MCAM225-19mm-17mm	19.00mm	17.00mm	125	62	250					
	MCAM225-19mm-19mm	19.00mm	19.00mm	125	62	250					

*** NOTE: Bores greater than .875in Dia: bore depth is .870in**

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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 TITLE HELICAL FLEXIBLE SHAFT COUPLING TABULATED BORE SIZES DWG NO MCAM225
DRAWN		
CHECKED		
PRODN		
ISSUED	6/20/2012 7:22:10 AM	

Printed 6/20/2012 7:23:13 AM by Larryvg

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					
		A1 Dia	A2 Dia								
	MCAM225-24K4-10mm	.750in	10.00mm	125	62	250					
	MCAM225-24-10mm	.750in	10.00mm	125	62	250					
20 Jul 88	MCAM225-24-24	.750in	.750in	125	62	250					
	MCAM225-20mm-15mmQ5	20.00mm	15.00mm	125	62	250			Keyway Width:		5.00/5.05mm
09 Mar 88	MCAM225-20mm-16mm	20.00mm	16.00mm	125	62	250					
	MCAM225-20mmQ6-20mmQ6	20.00mm	20.00mm	125	62	250			Keyway Width:		6.00/6.05mm6.00/6.05mm
08 Mar 89	MCAM225-20mm-20mm	20.00mm	20.00mm	125	62	250					
29 Jun 00	MCAM225-22mm-22mm	22.00mm	22.00mm	115	57	230					
22 May 03	MCAM225-28-24	.875in	.750in	115	58	230					
20 Jul 88	MCAM225-28-28	.875in	.875in	115	57	230					
20 Jul 88	MCAM225-24mm-10mm	*24.00mm	10.00mm	115	57	230					
	MCAM225-24mmQ8-19mmQ6	*24.00mm	19.00mm	115	57	230			Keyway Width:		8.00/8.05mm6.00/6.05mm
	MCAM225-24mmQ8-20mm	*24.00mm	20.00mm	115	57	230			Keyway Width:		8.00/8.05mm
09 Mar 88	MCAM225-24mm-24mm	*24.00mm	*24.00mm	115	57	230					
28 Mar 89	MCAM225-24mmQ8-24mmQ8	*24.00mm	*24.00mm	115	57	230			Keyway Width:		8.00/8.05mm8.00/8.05mm
09 Mar 88	MCAM225-25mm-15mm	*25.00mm	15.00mm	115	57	230					
26 Oct 09	MCAM225-25mmQ8-16mmQ5	*25.00mm	16.00mm	115	57	230			Keyway Width:		8.00/8.05mm5.00/5.05mm
09 Mar 88	MCAM225-25mm-17mm	*25.00mm	17.00mm	115	57	230					
09 Mar 88	MCAM225-25mm-25mm	*25.00mm	*25.00mm	115	57	230					
10 Sep 04	MCAM225-25mmQ8-25mmQ8	*25.00mm	*25.00mm	115	57	230			Keyway Width:		8.00/8.05mm8.00/8.05mm
20 Jul 88	MCAM225-32-20	*1.000in	.625in	115	57	230					
09 Mar 88	MCAM225-28mmQ8-26mmQ8	*28.00mm	*26.00mm	115	57	230			Keyway Width:		8.00/8.05mm8.00/8.05mm
09 Mar 88	MCAM225-28mmQ8-28mmQ8	*28.00mm	*28.00mm	115	57	230			Keyway Width:		8.00/8.05mm8.00/8.05mm
	MCAM225-28mm-28mm	*28.00mm	*28.00mm	115	57	230					
09 Mar 88	MCAM225-37-24	*1.157in	.750in	115	57	230					
26 Oct 00	MCAM225-32mmQ10-24K4	*32.00mm	.750in	115	57	230			Keyway Width:		10.00/10.05mm188/.190in
	MCAM225-35mmQ10-28mmQ8	*35.00mm	*28.00mm	115	57	230			Keyway Width:		10.00/10.05mm8.00/8.05mm
	MCAM225-38mm-14mm	*38.00mm	14.00mm	115	57	230					
	MCAM225-38mm-38mm	*38.00mm	*38.00mm	115	57	230					
02 Feb 00	MCAM225-48-24	*1.500in	.750in	115	57	230					

* NOTE: Bores greater than .875in Dia: bore depth is .870in

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ADDITIONAL BORE SIZES AVAILABLE UPON REQUEST

APPROVALS	DATE
DRAWN	
CHECKED	
PRODN	
ISSUED	6/20/2012 7: 22: 10 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 **MCAM225**

Printed 6/20/2012 7: 23: 13 AM by LarryG

TABULATED DATA

Copyright HELICAL PRODUCTS CO INC

MATERIAL: 7075-T6 Aluminum Alloy

FINISH: Natural

Drawing Number

MCAM225

REV

DO NOT SCALE DRAWING

SHT 5 of 5

ITEM DESCRIPTION (Part Number)	BORE SIZES		TORQUES (lbin)			KEYWAY Width	
	TOLERANCE +0.002in or +0.05mm -0.000 or 0		Momentary Dynamic	Non- Reversing	Shock or Reversing	TOLERANCE +0.002in or +0.05mm -0.000in or 0	
Ø A1	Ø A2	W1				W2	
MCAM225-30-30	.938in	.938in	230	115	57		
MCAM225-19mmQ6-12mm	19.00mm	12.00mm	250	125	62	6.00mm	
MCAM225-40K5-40K5	1.250in	1.250in	233	116	58	.250in	.250in