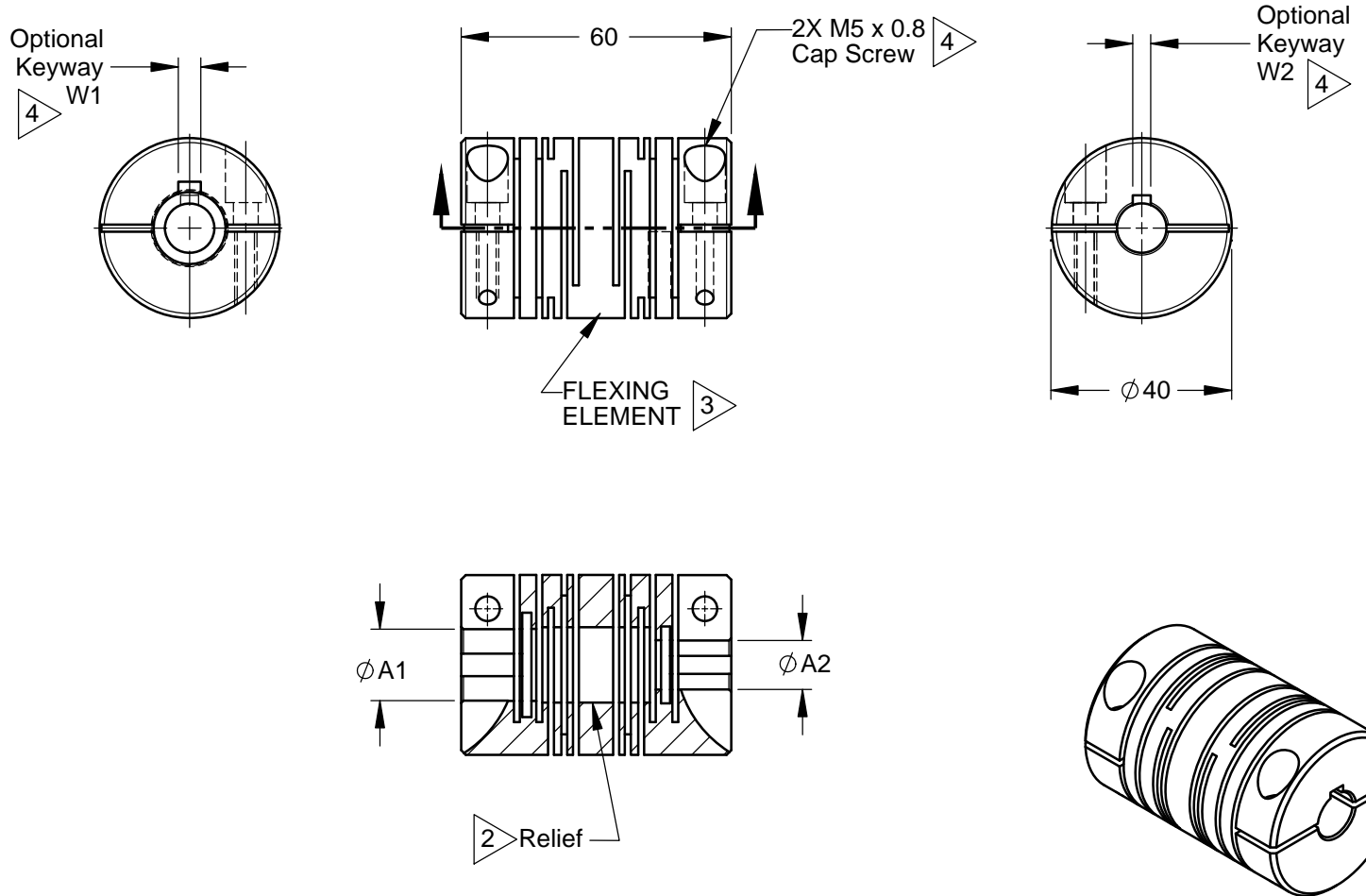


NOTES:

- 1 Refer to Secondary Sheet for Tabulated Data.
- 2 Relief permits component shafts to near butt.
- 3 Hubs and Flexing Element are made from a single piece of material.
- 4 Optional Keyway(s) with Integral Clamp attachment, hex. socket, ISO std., cap screw furnished: both hubs.
- 5 Backlash: None. No lubrication required.
- 6 Permitted axial motion from free length: ± 0.25
- 7 RPM: Up to 10,000, depending upon application.
- 8 Torsional Flexibility: .066 deg/Nm
- 9 Working torque rating: 5.0 Nm
- 10 Permissible shaft misalignment:
Angular, up to 3°
Offset, up to 0.20 (FIM, 0.40)



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09-20-12	---	Redrawn in Solidworks	JAJ	BAB EK
01-25-10	---	Revised IAW ECR#09121602	JAJ	HG
DATE	LTR	REVISION	APVR	

Unless otherwise specified all tolerances and dimensions are in millimeters.

Inch	Metric
X/XX= $\pm 1/64$	X= ± 0.5 mm
.XX= $\pm .01$	X.X= ± 0.25 mm
.XXX= $\pm .005$	X.XX= ± 0.15 mm
Angles $\pm 2^\circ$	

Break sharp corners 0.25 MAX
All surface finish 63 roughness
Do Not Scale Drawing

		901 West McCoy Lane P.O. BOX 1069 SANTA MARIA, CA. 93456 U.S.A. PHONE (805) 928-3851 FSC13201	
		HELICAL PRODUCTS COMPANY	
DRAWN BY	DATE	TITLE	
BJM	12-08-99	HELICAL FLEXIBLE SHAFT COUPLING	
CHECKED BY	DATE	MATL	
MC	12-13-99	7075-T6 Aluminum Alloy	
APPRVD BY	DATE	FINISH	
DH	12-20-99	Anodize IAW HPS1000	
WEIGHT (calculated)		DRAWING NUMBER	
177g		XCA40	
SHEET 1 of 2		REV	

TABULATED DATA

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MATERIAL: 7075-T6 Aluminum Alloy

FINISH: Anodize IAW HPS1000

Drawing Number

XCA40

REV

DO NOT SCALE DRAWING

SHT 2 of 2

ITEM DESCRIPTION (Part Number)	BORE SIZES		KEYWAY Width	
	TOLERANCE		TOLERANCE	
	ϕ A1	ϕ A2	W1	W2
XCA40-10mm-6	10.00mm	.188in	---	---
XCA40-10mmQ3-12W03	10.00mm	.375in	3.00mm	.095in
XCA40-10mm-10mm	10.00mm	10.00mm	---	---
XCA40-10mmQ3-10mm	10.00mm	10.00mm	3.00mm	---
XCA40-11mm-7mmQ2	11.00mm	7.00mm	---	2.00mm
XCA40-11mm-10mm	11.00mm	10.00mm	---	---
XCA40-11mmQ4-10mmQ3	11.00mm	10.00mm	4.00mm	3.00mm
XCA40-11mmQ4-11mmQ4	11.00mm	11.00mm	4.00mm	4.00mm
XCA40-12mm-6	12.00mm	.188in	---	---
XCA40-12mm-8	12.00mm	.250in	---	---
XCA40-12mm-10mm	12.00mm	10.00mm	---	---
XCA40-12mm-12mm	12.00mm	12.00mm	---	---
XCA40-16-12	.500in	.375in	---	---
XCA40-16W04-12	.500in	.375in	.126	---
XCA40-16K3-12mmQ4	.500in	12.00mm	.125	4.00mm
XCA40-16-16	.500in	.500in	---	---
XCA40-14mmQ5-6	14.00mm	.188in	5.00mm	---
XCA40-14mm-6mm	14.00mm	6.00mm	---	---
XCA40-14mm-8	14.00mm	.250in	---	---
XCA40-14mmQ5-8	14.00mm	.250in	5.00mm	---
XCA40-14mm-8mm	14.00mm	8.00mm	---	---
XCA40-14mm-12	14.00mm	.375in	---	---
XCA40-14mm-10mm	14.00mm	10.00mm	---	---
XCA40-14mmQ5-10mmQ3	14.00mm	10.00mm	5.00mm	3.00mm
XCA40-14mm-14	14.00mm	.438in	---	---
XCA40-14mm-12mm	14.00mm	12.00mm	---	---
XCA40-14mmQ5-12mmQ4	14.00mm	12.00mm	5.00mm	4.00mm
XCA40-14mmQ5-12mmQ5	14.00mm	12.00mm	5.00mm	5.00mm
XCA40-14mm-16	14.00mm	.500in	---	---
XCA40-14mm-14mm	14.00mm	14.00mm	---	---
XCA40-14mmQ5-14mmQ5	14.00mm	14.00mm	5.00mm	5.00mm
XCA40-15mmQ5-8mm	15.00mm	8.00mm	5.00mm	---
XCA40-15mm-10mm	15.00mm	10.00mm	---	---
XCA40-15mm-15mm	15.00mm	15.00mm	---	---
XCA40-20-10mm	.625in	10.00mm	---	---
XCA40-20-16	.625in	.500in	---	---
XCA40-20-20	.625in	.625in	---	---
XCA40-20K4-20K4	.625in	.625in	.188in	.188in
XCA40-16mm-9.5mm	16.00mm	9.50mm	---	---
XCA40-16mm-10mm	16.00mm	10.00mm	---	---
XCA40-16mmQ5-10mmQ3	16.00mm	10.00mm	5.00mm	3.00mm
XCA40-16mmQ5-11mmQ4	16.00mm	11.00mm	5.00mm	4.00mm
XCA40-16mm-14mm	16.00mm	14.00mm	---	---
XCA40-16mm-16mm	16.00mm	16.00mm	---	---
XCA40-16mmK4-16mmK4	16.00mm	16.00mm	.188in	.188in
XCA40-16mmQ5-16mm	16.00mm	16.00mm	5.00mm	---
XCA40-16mmQ5-16mmQ5	16.00mm	16.00mm	5.00mm	5.00mm
XCA40-17mm-10mm	17.00mm	10.00mm	---	---
XCA40-17mm-12mm	17.00mm	12.00mm	---	---