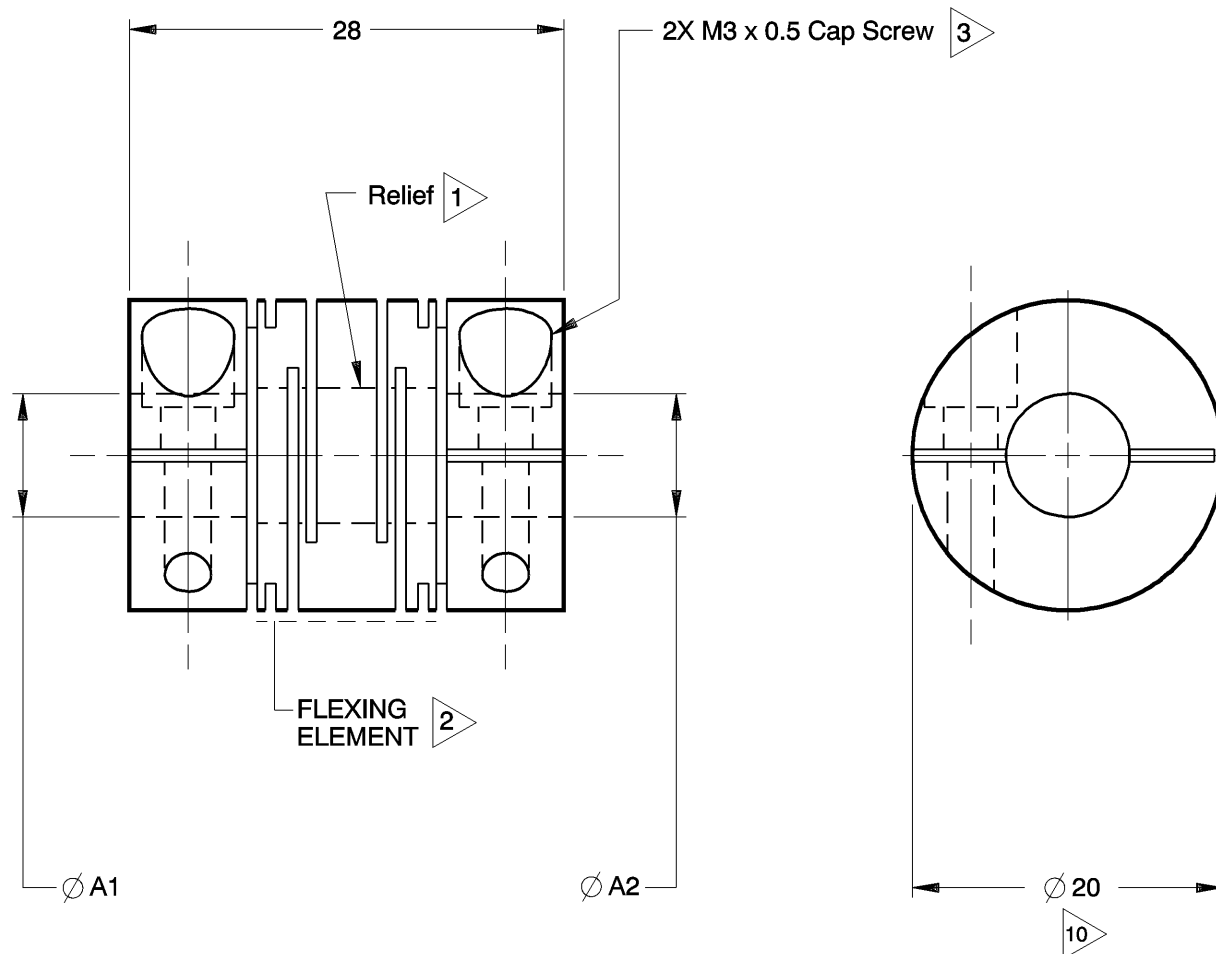


NOTES: See Tabulated Sheet

- 1 Relief permits component shafts to near butt.
- 2 Hubs and flexing elements 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: $\pm 0.25\text{mm}$
- 6 RPM: Up to 10,000, depending upon application.
- 7 Working torque: 0.50Nm
- 8 Torsional stiffness: 0.46 deg/Nm
- 9 Permissible shaft misalignment:
Angular, up to 3 degrees
Offset, up to 0.10mm (TIR, 0.20mm)
- 10 Clearance Diameter: 21.8mm



XCA20-8mm-8mm SHOWN

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DO NOT SCALE DRAWING.

01-25-10	---	Added FLEXING ELEMENT, Finish was Chromic Acid Anodize, Type I; Updated GD&T	JAJ	HG
DATE	LTR	REVISION	CHK	

Unless otherwise noted dimensions in millimeters.
Tolerances are:
Decimals: X $\pm .5\text{mm}$
 X.X $\pm .25\text{mm}$
 X.XX $\pm .15\text{mm}$
Angles: ± 2 degrees
Break sharp corners .25mm max.

APPROVALS	DATE
DRAWN BJM	12-8-99
CHECKED MC	12-13-99
PRODN DH	12-20-99
ISSUED	
WEIGHT	20g (calc)
SCALE 2/1	SIZE A

<p>HELICAL PRODUCTS CO. P.O. BOX 1069 SANTA MARIA, CA. 93456 U.S.A PHONE (805) 928-3851 FSC13201</p>		TITLE	HELICAL FLEXIBLE SHAFT COUPLING
		MATERIAL	7075-T6 Aluminum Alloy
		FINISH	Anodize per HPS1000
DWG NO		XCA20	

ADDITION DATE	PART NUMBER	BORE TOLERANCES		COMMENTS	A1	A2
		∅A1	∅A2			
8 DEC 99	XCA20-4mm-4mm	4.00mm	4.00mm			
8 DEC 99	XCA20-5mm-4mm	5.00mm	4.00mm			
8 DEC 99	XCA20-5mm-5mm	5.00mm	5.00mm			
8 DEC 99	XCA20-6mm-4mm	6.00mm	4.00mm			
8 DEC 99	XCA20-6mm-5mm	6.00mm	5.00mm			
8 DEC 99	XCA20-6mm-6mm	6.00mm	6.00mm			
8 DEC 99	XCA20-8mm-4mm	8.00mm	4.00mm			
8 DEC 99	XCA20-8mm-5mm	8.00mm	5.00mm			
8 DEC 99	XCA20-8mm-6mm	8.00mm	6.00mm			
8 DEC 99	XCA20-8mm-8mm	8.00mm	8.00mm			
8 DEC 99	XCA20-6-6	.188in	.188in			
8 DEC 99	XCA20-8-4	.250in	.125in			
8 DEC 99	XCA20-8-6	.250in	.188in			
8 DEC 99	XCA20-8-8	.250in	.250in			
8 DEC 99	XCA20-10-6	.313in	.188in			
8 DEC 99	XCA20-10-8	.313in	.250in			
8 DEC 99	XCA20-10-10	.313in	.313in			
8 DEC 99	XCA20-8-4mm	.250in	4.00mm			
8 DEC 99	XCA20-8-6mm	.250in	6.00mm			
20 DEC 99	XCA20-8-3mm	.250in	3.00mm			
10 JUL 00	XCA20-8mm-5	8.00mm	.157in			
13 MAR 01	XCA20-8-5mm	.250in	5.00mm			
18 APR 01	XCA20-5mm-3mm	5.00mm	3.00mm			
18 APR 01	XCA20-5mm-4mm	5.00mm	4.00mm			
28 MAR 02	XCA20-5mm-6	5.00mm	.188in			
21 NOV 02	XCA20-6-4mm	.188in	4.00mm			
22 SEP 03	XCA20-8mm-8	8.00mm	.250in			
1 OCT 03	XCA20-8-4.95mm	.250in	4.95mm			
19 JUL 16	XCA20-10-7mm	.313in	7.00mm			

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APPROVALS	DATE	HELICAL PRODUCTS CO. P.O. BOX 1069 SANTA MARIA, CA. 93456 U.S.A PHONE (805) 928-3851 FSCI3201
DRAWN BJM	12-8-99	
CHECKED MC	12-13-99	TITLE HELICAL FLEXIBLE SHAFT COUPLING
PRODN DH	12-20-99	TABULATED BORE SIZES
ISSUED		DWG NO XCA20
		REV