Relief permits component shafts to near butt.

Hubs and HELI-CAL FLEXURE are made from a single piece of material.

Integral Clamp attachment, hex. socket, ISO std., cap screw furnished: both hubs.

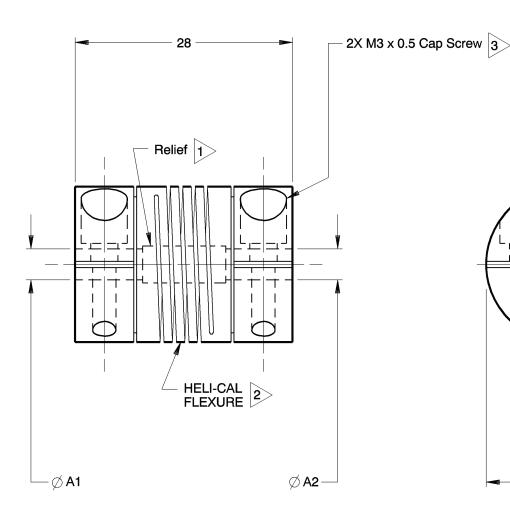
- Backlash: None. No lubrication required.
- Permitted axial motion from free length: \pm 0.25mm
- RPM: Up to 10,000, 6 depending upon application.
- Working torque ratings are based upon continuous duty with noted misalignments applied separately and may be increased with improved alignment:

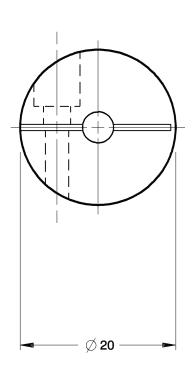
See Tabulated Sheet

Permissible shaft misalignment:

> Angular, up to 5 degrees. Offset, up to 0.25mm (TIR, 0.50mm)

Part will have a 23.61mm Clearance Diameter on both ends when any bore is over 6.35mm thru 9.81mm.





WAC20-4mm-4mm SHOWN

	i									
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							CHECKE GLB			PHONE (805) 928-3851 FSC13201
	THE EXPRESS WRITTEN CONSENT OF HELICAL. POSSESSION OF THIS DOCUMENT DOES NOT CONSTITUTE A GRANT TO MANUFACTURE ANY ITEMS.	Δ	Finish was Chromic Acid Anodize; Updated GD&T	JAJ H	HG	X.XX ± .15mm Angles: ± 2 degrees Break sharp corners .25mm max.	PRODN APA	8-8-78	TITLE	HELICAL FLEXIBLE SHAFT COUPLING
							ISSUED		MATERIAL 7075-T	7075-T6 Aluminum Alloy
			Clerical format update/				WEIGHT 21g (calc)		FINISH	Anodize IAW HPS1000
			No revision LTR REVISION	ВЈМ	MC CHK		SCALE 2/1	517F A	DWG NO	WAC20
- 1		DAIL			CHIL			DI/ F		

						Dini	O NO		CII
						DWC	G NO	WAC20	SH 4 of 6
BORE TO		BORE TOLERANCES	ORE TOLERANCES TORQUES (Nm)			TORSIONAL FLEXIBILITY			
		+.002in +.05mm							
ADDITION		000in or00mm	Non-	Shock or					
DATE	PART NUMBER	A1 Dia A2 Dia	reversing	Reversing	Momentary	deg/Nm		COMMENTS	A1 A2
09 Dec 04	WAC20-4mm-3M	4.00mm .090in	. 65	.32	1.3				
03 800 04	WAC20-4mm-3mm	4.00mm 3.00mm	. 65	.32	1.3				
06 Feb 04	WAC20-4mm-4M	4.00mm .120in	. 65	. 32	1.3				
03 May 88	WAC20-4mm-4	4.00mm .125in	. 65	. 32	1.3				
09 Mar 88	WAC20-4mm-4mm	4.00mm 4.00mm	. 65	. 32	1.3				
09 Mar 88	WAC20-4mm-5mm	4.00mm 5.00mm	.60	. 30	1.2				
09 Mar 88	WAC20-4mm-8	4.00mm .250in	. 55	. 27	1.1				
	WAC20-4.5mm-4mm	4.50mm 4.00mm	. 65	. 32	1.3				
09 Mar 88	WAC20-4.75mm-4.75mm	4.75mm 4.75mm	. 65	. 32	1.3				
	WAC20-6-3mm	.188in 3.00mm	.60	.30	1.2				
09 Mar 88	WAC20-6-4 WAC20-6-5	.188in .125in	.60	.30	1.2				
N3 May 88	WAC20-6-4mm	.188in .157in .188in 4.00mm	.60	.30	1.2				
-	WAC20-6-6	.188in .188in	.60	.30	1.2				
	WAC20-5mm-3mm	5.00mm 3.00mm	.60	.30	1.2				
09 Mar 88	WAC20-5mm-4M	5.00mm .120in	. 60	. 30	1.2				
25 Jul 05	WAC20-5mm-4	5.00mm .125in	.60	. 30	1.2				
>09 Mar 88	WAC20-5mm-4mm	5.00mm 4.00mm	. 60	. 30	1.2				
2 03 May 88	WAC20-5mm-6	5.00mm .188in	. 60	. 30	1.2				
lo l	WAC20-5mm-5mm	5.00mm 5.00mm	.60	. 30	1.2				
[™] 09 Mar 88 ö	WAC20-5.85mm-4mm	5.85mm 4.00mm	. 55	. 27	1.1				
* NOTE:	Bores greater than 6.35mm Dia: bore	depth is8.70mm			APF	PROVALS DA	те НЕ	LICAL PRODUCT	S CO.INC
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U REPRODU	CED OR DISCLOSED WITHOUT '	HE EXPRESS WRITTEN CONSENT JMENT DOES NOT CONSTITUTE			PRO	DDN			
D A GRANT	TO MANUFACTURE ANY ITEMS							ATED BORE	
	TIONAL BORE SIZES A	VAILABLE UF	ON RE	QUES	T ISSU	JED 3/23/ 7: 39: :		WAC2	Ü
,									

						DWG	; NO	WAC20	SH
		BORE TOLERANCES		TOPOUTO (N- \	TORSIONAL	MASS MOMENT	MAULU	5 of 6
		20112 102211 111020	TORQUES (Nm		Nm)	FLEXIBILITY	OF INERTIA		
ADDITION		+.002in 000in or +.05mm 00mm	Non-	Shock or					
DATE	PART NUMBER	A1 Dia A2 Dia	reversing	Reversing	Momentary	deg/Nm		COMMENTS	A1 A2
09 Mar 88	WAC20-6mm-3mm	6.00mm 3.00mm	. 55	. 27	1.1				
09 Mar 88	WAC20-6mm-4M	6.00mm .120in	. 55	. 27	1.1				
	WAC20-6mm-4	6.00mm .125in	. 55	. 27	1.1				
03 May 88	WAC20-6mm-3.5mm	6.00mm 3.50mm	. 55	. 27	1.1				
	WAC20-6mm-5	6.00mm .157in	. 55	. 27	1.1				
09 Mar 88	WAC20-6mm-4mm	6.00mm 4.00mm	. 55	. 27	1.1				
09 Mar 88	WAC20-6mm-4.2mm	6.00mm 4.20mm	. 55	. 27	1.1				
09 Mar 88	WAC20-6mm-6	6.00mm .188in	. 55	. 27	1.1				
09 Mar 88	WAC20-6mm-5mm	6.00mm 5.00mm	. 55	. 27	1.1				
	WAC20-6mm-5.02mm	6.00mm 5.02mm	. 55	. 27	1.1				
09 Mar 88	WAC20-6mm-6mm	6.00mm 6.00mm	. 55	. 27	1.1				
	WAC20-6mm-6.02mm	6.00mm 6.02mm	. 55	. 27	1.1				
09 Mar 88	WAC20-6mm-8	6.00mm .250in	. 55	. 27	1.1				
09 Mar 88	WAC20-8M-4M	.240in .120in	. 55	. 27	1.1				
	WAC20-8-3mm	.250in 3.00mm	. 55	. 27	1.1				
09 Mar 88	WAC20-8-4M	.250in .120in	. 55	. 27	1.1				
09 Mar 88	WAC20-8-4	.250in .125in	. 55	. 27	1.1				
09 Mar 88	WAC20-8-4mm	.250in 4.00mm	. 55	. 27	1.1				
16 Jan 89	WAC20-8-4.5mm	.250in 4.50mm	. 55	. 27	1.1				
03 May 88	WAC20-8-6	.250in .188in	. 55	. 27	1.1				
09 Mar 88	WAC20-8-5mm	.250in 5.00mm	. 55	. 27	1.1				
	WAC20-8-5.7mm	.250in 5.70mm	. 55	. 27	1.1				
09 Mar 88	WAC20-8-5.8mm	.250in 5.80mm	. 55	. 27	1.1				
09 Mar 88	WAC20-8-6mm	.250in 6.00mm	. 55	. 27	1.1				
₀09 Mar 88	WAC20-8-8	.250in .250in	. 55	. 27	1.1				
<u>}</u>	WAC20-7mm-4mm	* 7.00mm 4.00mm	. 55	. 27	1.1		C	Clearance Diam.:	23.61mm
	WAC20-7mm-5mm	* 7.00mm 5.00mm	. 55	. 27	1.1		c	Clearance Diam.:	23.61mm
>	WAC20-7mm-6mm	* 7.00mm 6.00mm	. 55	. 27	1.1		c	Clearance Diam.:	23.61mm
05 Jun 89	WAC20-7mm-7mm	* 7.00mm * 7.00mm	. 55	. 27	1.1		C	Clearance Diam.:	23.61mm
[₹] 24 Sep 02	WAC20-10-6	* .313in .188in	. 55	. 27	1.1		C	Clearance Diam.:	23.61mm
Π η	WAC20-8mm-3mm	* 8.00mm 3.00mm	. 55	. 27	1.1		C	Clearance Diam.:	23.61mm
* NOTE:	Bores greater than 6.35mm Dia: bore	depth is8.70mm	I.	1	APP	ROVALS DAT	E HEL	ICAL PRODUCT	S CO.INC
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	TIONAL BORE SIZES A		ON RE	QUES	T ISSU	ED 3/23/2 7: 39: 3:		WAC20)

							DW	G NO	WAC20	SH 6 of 6
		BORE TOLE	RANCES		TORQUES (Nm)	TORSIONAL FLEXIBILITY	MASS MOMENT OF INERTIA		
ADDITION		+.002in 000in or	+.05mm 00mm	Non-	Shock or					
DATE	PART NUMBER	A1 Dia	A2 Dia	reversing	Reversing	Momentary	deg/Nm		COMMENTS	A1 A2
	WAC20-8mm-4M	* 8.00mm	.120in	. 55	. 27	1.1			Clearance Diam.:	23.61mm
09 Mar 88	WAC20-8mm-4mm	* 8.00mm	4.00mm	. 55	. 27	1.1			Clearance Diam.:	23.61mm
	WAC20-8mm-4.50mm	* 8.00mm	4.50mm	. 55	. 27	1.1			Clearance Diam.:	23.61mm
03 May 88	WAC20-8mm-6	* 8.00mm	.188in	. 55	. 27	1.1			Clearance Diam.:	23.61mm
	WAC20-8mm-5mm	* 8.00mm	5.00mm	. 55	. 27	1.1			Clearance Diam.:	23.61mm
	WAC20-8mm-5.7mm	* 8.00mm	5.70mm	. 55	. 27	1.1			Clearance Diam.:	23.61mm
09 Mar 88	WAC20-8mm-6mm	* 8.00mm	6.00mm	. 55	. 27	1.1			Clearance Diam.:	23.61mm
09 Mar 88	WAC20-8mm-8	* 8.00mm	.250in	. 55	. 27	1.1			Clearance Diam.:	23.61mm
09 Mar 88	WAC20-8mm-10	* 8.00mm *	.313in	. 55	. 27	1.1			Clearance Diam.:	23.61mm
09 Mar 88	WAC20-8mm-8mm	* 8.00mm *	8.00mm	. 55	. 27	1.1			Clearance Diam.:	23.61mm
23 Jun 10	WAC20-9mm-5mm	* 9.00mm	5.00mm	. 55	. 27	1.1			Clearance Diam.:	23.61mm
09 Mar 88	WAC20-9mm-6mm	* 9.00mm	6.00mm	. 55	. 27	1.1			Clearance Diam.:	23.61mm
22 Mar 11	WAC20-9mm-8mm	* 9.00mm *	8.00mm	. 55	. 27	1.1			Clearance Diam.:	23.61mm
	WAC20-9mm-9mm	* 9.00mm *	9.00mm	. 55	. 27	1.1			Clearance Diam.:	23.61mm
	WAC20-9.5mm-8mm	* 9.50mm *	8.00mm	. 55	. 27	1.1			Clearance Diam.:	23.61mm
09 Mar 88	WAC20-12-6mm	* .375in	6.00mm	. 55	. 27	1.1			Clearance Diam.:	23.61mm
03 May 88	WAC20-12-8	* .375in	.250in	. 55	. 27	1.1			Clearance Diam.:	23.61mm
12 Sep 89	WAC20-12-8mm	* .375in *	8.00mm	. 55	. 27	1.1			Clearance Diam.:	23.61mm
10 May 05	WAC20-12-12	* .375in *	.375in	. 55	. 27	1.1			Clearance Diam.:	23.61mm
	WAC20-9.65mm-8.13mm	* 9.65mm *		. 55	. 27	1.1			Clearance Diam.:	23.61mm
28 JAN 14	WAC20-9mm-4mm	* 9.00mm	4.00mm	.55	.27	1.1			Clearance Diam.:	23.61mm
21 OCT 14	WAC20-5.75mm-5.75mm	5.75mm	5.75mm	.55	.27	1.1				
21 APR 16	WAC20-9.5mm-9.5mm	* 9.50mm *	9.50mm	.55	.27	1.1			Clearance Diam: 23.61mm	
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* NOTE:	Bores greater than 6.35mm Dia:	bore depth is 8.70	Omm			APP	ROVALS DA	TE HE	ELICAL PRODUCT	S CO. INC
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	TIONAL BORE SIZE		LE UP	ON RE	QUES	T ISSU	ED 3/23/ 7: 39:		WAC20)