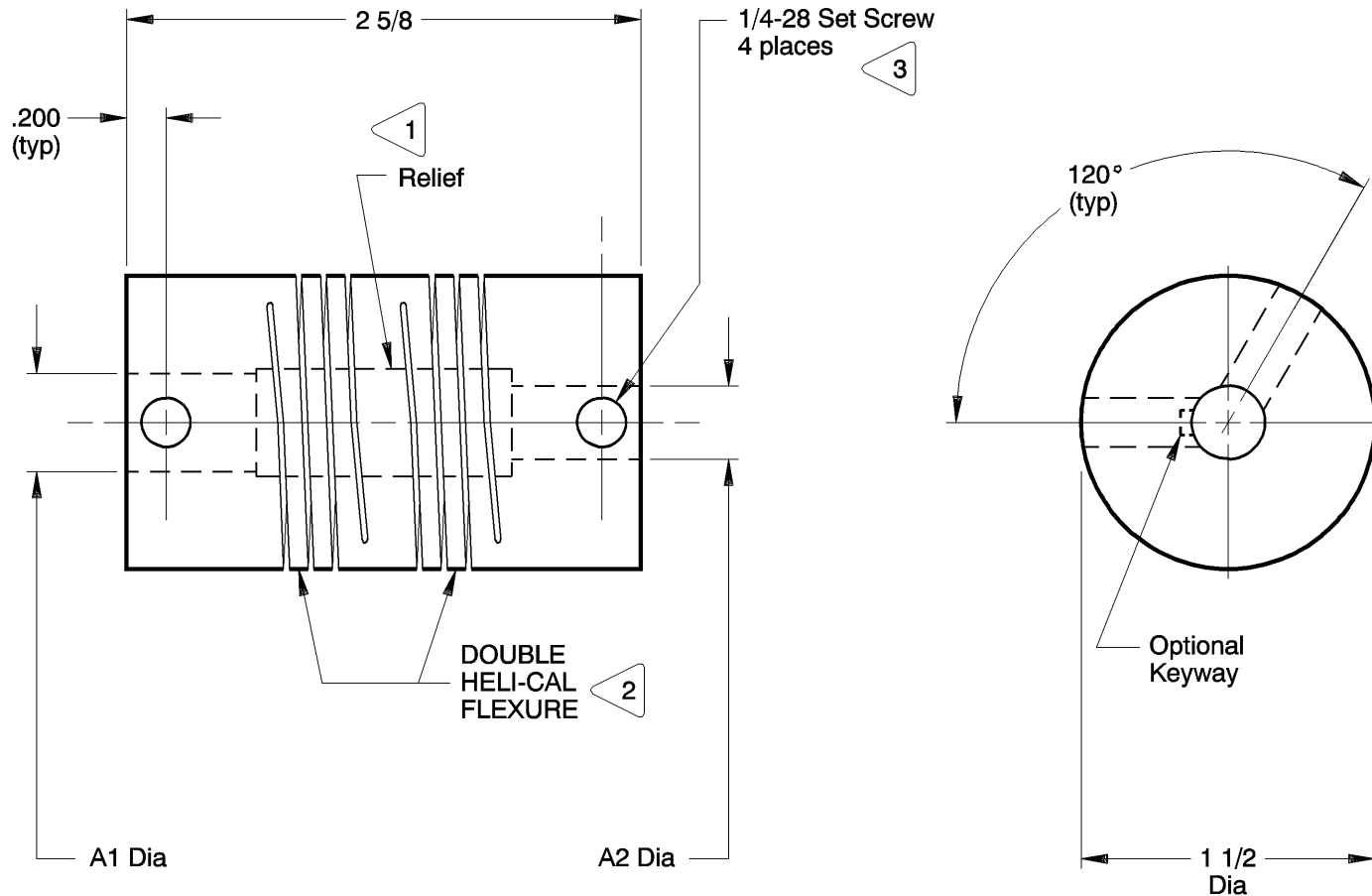


NOTES: See Tabulated Sheet

- 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, cup point set screw furnished: both hubs. Set Screw size based on bore size:
 .188in thru .235in : 6-32
 .236in thru .312in : 10-32
 .313in thru 1.000in : 1/4-28
- 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.)



MC7 150-16-12 SHOWN

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DO NOT SCALE DRAWING.

2-1-99	LTR	Clerical format update/ No revision	BJM	MC	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	ER		
						CHECKED	MC	1-27-82	TITLE
						PROD	APA	1-27-82	HELICAL FLEXIBLE SHAFT COUPLING
						ISSUED			MATERIAL
						WEIGHT	507g (calc)		17-4PH CRES HT
						SCALE	1/1	SIZE	A
									FINISH
									Natural
									DWG NO
									MC7 150

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					
		A1 Dia	A2 Dia								
09 Mar 88	MC7150-12-8	.375in	.250in	124	62	248					

*** NOTE: Bores greater than .630in Dia: bore depth is .670in**

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ADDITIONAL BORE SIZES AVAILABLE UPON REQUEST

APPROVALS	DATE
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PRODN	
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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 **MC7150**

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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
09 Mar 88	MC7150-12-12	.375in	.375in	124	62	248						
	MC7150-12K1-12K1	.375in	.375in	124	62	248		Keyway Width:	.094/.096in	.094/.096in		
09 Mar 88	MC7150-10mm-10mm	10.00mm	10.00mm	120	60	240						
	MC7150-12mm-12	12.00mm	.375in	104	52	208						
	MC7150-12mmQ4-12Q3	12.00mm	.375in	104	52	208		Keyway Width:	4.00/4.05mm	3.00/3.05mm		
26 Mar 02	MC7150-12mmQ4-12mmQ4	12.00mm	12.00mm	104	52	208		Keyway Width:	4.00/4.05mm	4.00/4.05mm		
29 Jun 88	MC7150-16-8	.500in	.250in	100	50	200						
29 Jun 88	MC7150-16-10	.500in	.313in	100	50	200						
12 Sep 07	MC7150-16K3-10K1	.500in	.313in	100	50	200		Keyway Width:	.125/.127in	.094/.096in		
02 Aug 90	MC7150-16K3-12K1	.500in	.375in	100	50	200		Keyway Width:	.125/.127in	.094/.096in		
09 Mar 88	MC7150-16K3-12	.500in	.375in	100	50	200		Keyway Width:	.125/.127in			
09 Mar 88	MC7150-16K3-12K3	.500in	.375in	100	50	200		Keyway Width:	.125/.127in	.125/.127in		
09 Mar 88	MC7150-16-12	.500in	.375in	100	50	200						
	MC7150-16K3-11mmQ4	.500in	11.00mm	100	50	200		Keyway Width:	.125/.127in	4.00/4.05mm		
	MC7150-16K3-14K1	.500in	.438in	100	50	200		Keyway Width:	.125/.127in	.094/.096in		
16 May 08	MC7150-16K3-12mmQ4	.500in	12.00mm	100	50	200		Keyway Width:	.125/.127in	4.00/4.05mm		
21 Apr 08	MC7150-16K4-16K4	.500in	.500in	100	50	200		Keyway Width:	.188/.190in	.188/.190in		
03 Aug 11	MC7150-16W04-16W04	.500in	.500in	100	50	200		Keyway Width:	.126/.128in	.126/.128in		
								Woodruf Kwy. Series:	400	400		
09 Mar 88	MC7150-16-16	.500in	.500in	100	50	200						
09 Mar 88	MC7150-16K3-16K3	.500in	.500in	100	50	200		Keyway Width:	.125/.127in	.125/.127in		
	MC7150-16K3-16W03	.500in	.500in	100	50	200		Keyway Width:	.125/.127in	.095/.097in		
								Woodruf Kwy. Series:		300		
22 Feb 00	MC7150-14mmQ5-12	14.00mm	.375in	90	45	180		Keyway Width:	5.00/5.05mm			
	MC7150-14mm-12	14.00mm	.375in	90	45	180						
14 Mar 11	MC7150-14mmQ5-10mmQ3	14.00mm	10.00mm	90	45	180		Keyway Width:	5.00/5.05mm	3.00/3.05mm		
31 Oct 89	MC7150-14mm-14mm	14.00mm	14.00mm	90	45	180						
	MC7150-18K3-12W03	.563in	.375in	90	45	180		Keyway Width:	.125/.127in	.095/.097in		
								Woodruf Kwy. Series:		300		
	MC7150-18K4-14mmQ5	.563in	14.00mm	90	45	180		Keyway Width:	.188/.190in	5.00/5.05mm		
09 Mar 88	MC7150-15mm-15mm	15.00mm	15.00mm	80	40	160						
09 Mar 88	MC7150-15mmQ5-15mmQ5	15.00mm	15.00mm	80	40	160		Keyway Width:	5.00/5.05mm	5.00/5.05mm		

* NOTE: Bores greater than .630in Dia: bore depth is .670in

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ADDITIONAL BORE SIZES AVAILABLE UPON REQUEST

APPROVALS	DATE
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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 **MC7150**

Printed 8/3/2011 10:18:02 AM by Larryvg

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					
29 Jun 88	MC7150-15.5mm-16	.1500in	.500in	77	39	155					
01 Feb 01	MC7150-20K4-6mm	.625in	6.00mm	76	38	152		Keyway Width:	.188/.190in		
14 Feb 90	MC7150-20-10	.625in	.313in	76	38	152					
28 Sep 88	MC7150-20K4-12K1	.625in	.375in	76	38	152		Keyway Width:	.188/.190in.094/.096in		
09 Mar 88	MC7150-20-12	.625in	.375in	76	38	152					
09 Mar 88	MC7150-20K4-12	.625in	.375in	76	38	152		Keyway Width:	.188/.190in		
10 Nov 06	MC7150-20K3-12	.625in	.375in	76	38	152		Keyway Width:	.125/.127in		
01 Apr 08	MC7150-20-10mm	.625in	10.00mm	76	38	152					
09 Mar 88	MC7150-20K4-10mm	.625in	10.00mm	76	38	152		Keyway Width:	.188/.190in		
09 Mar 88	MC7150-20-14	.625in	.438in	76	38	152					
09 Mar 88	MC7150-20K4-14K3	.625in	.438in	76	38	152		Keyway Width:	.188/.190in.125/.127in		
04 Nov 03	MC7150-20K3-14K1	.625in	.438in	76	38	152		Keyway Width:	.125/.127in.094/.096in		
	MC7150-20Q4-12mmQ4	.625in	12.00mm	76	38	152		Keyway Width:	4.00/4.05mm4.00/4.05mm		
12 Jul 04	MC7150-20K4-12mmQ4	.625in	12.00mm	76	38	152		Keyway Width:	.188/.190in4.00/4.05mm		
29 Jun 88	MC7150-20K4-12mm	.625in	12.00mm	76	38	152		Keyway Width:	.188/.190in		
29 Jun 88	MC7150-20-12mm	.625in	12.00mm	76	38	152					
16 May 08	MC7150-20K3-12mmQ4	.625in	12.00mm	100	50	200		Keyway Width:	.125/.127in4.00/4.05mm		
14 Oct 88	MC7150-20-16K3	.625in	.500in	76	38	152		Keyway Width:	.125/.127in		
09 Mar 88	MC7150-20-16	.625in	.500in	76	38	152					
09 Mar 88	MC7150-20K4-16K3	.625in	.500in	76	38	152		Keyway Width:	.188/.190in.125/.127in		
09 Mar 88	MC7150-20W04-16K3	.625in	.500in	76	38	152		Keyway Width:	.126/.128in.125/.127in		
								Woodruf Kwy. Series: 400			
21 May 02	MC7150-20K3-16K3	.625in	.500in	76	38	152		Keyway Width:	.125/.127in.125/.127in		
09 Mar 88	MC7150-20K4-16	.625in	.500in	76	38	152		Keyway Width:	.188/.190in		
05 Jun 89	MC7150-20K4-14mmQ5	.625in	14.00mm	76	38	152		Keyway Width:	.188/.190in5.00/5.05mm		
09 Mar 88	MC7150-20-18	.625in	.563in	76	38	152					
09 Mar 88	MC7150-20-20	.625in	.625in	76	38	152					
09 Mar 88	MC7150-20K4-20K4	.625in	.625in	76	38	152		Keyway Width:	.188/.190in.188/.190in		
09 Mar 88	MC7150-20-20K4	.625in	.625in	76	38	152		Keyway Width:	.188/.190in		
	MC7150-20K3-20K3	.625in	.625in	76	38	152		Keyway Width:	.125/.127in.125/.127in		
19 Oct 10	MC7150-20K3-20	.625in	.625in	76	38	152		Keyway Width:	.125/.127in		
09 Mar 88	MC7150-20Q5-20Q5	.625in	.625in	76	38	152		Keyway Width:	5.00/5.05mm5.00/5.05mm		

* NOTE: Bores greater than .630in Dia: bore depth is .670in

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ADDITIONAL BORE SIZES AVAILABLE UPON REQUEST

APPROVALS	DATE	HELICAL PRODUCTS CO. INC	
DRAWN		P.O. BOX 1069 SANTA MARIA, CA. 93456 U.S.A PHONE (805) 928-3851 FSCI3201	
CHECKED		TITLE	HELICAL FLEXIBLE SHAFT COUPLING
PRODN		TABULATED BORE SIZES	
ISSUED	8/3/2011 10:18:11 AM	DWG NO	MC7150

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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					
08 Jul 10	MC7150-20K4-20	.625in	.625in	76	38	152					
	MC7150-16mmQ5-12K3	16.00mm	.375in	76	38	152					
29 Jun 88	MC7150-16mmQ5-16K3	16.00mm	.500in	76	38	152					
	MC7150-16mm-18	16.00mm	.563in	76	38	152					
09 Mar 88	MC7150-16mmQ5-20K4	16.00mm	.625in	76	38	152					
29 Jun 88	MC7150-16mm-16mm	16.00mm	16.00mm	76	38	152					
29 Jun 88	MC7150-17mm-20	*17.00mm	.625in	76	38	152					
	MC7150-22-20	*.688in	.625in	76	38	152					
29 Jun 88	MC7150-23-20K4	*.719in	.625in	76	38	152					
	MC7150-19mmQ6-12K3	*19.00mm	.375in	76	38	152					
	MC7150-24Q6-12K3	*.750in	.375in	76	38	152					
	MC7150-24-12	*.750in	.375in	76	38	152					
	MC7150-24K4-12	*.750in	.375in	76	38	152					
09 Mar 88	MC7150-24K4-10mm	*.750in	10.00mm	76	38	152					
	MC7150-24-16	*.750in	.500in	76	38	152					
	MC7150-24K4-16K3	*.750in	.500in	76	38	152					
03 Aug 04	MC7150-24K4-16K4	*.750in	.500in	76	38	152					
	MC7150-24K4-20K4	*.750in	.625in	76	38	152					
09 Mar 88	MC7150-24-24	*.750in	*.750in	76	38	152					
29 Jun 88	MC7150-24K4-24K4	*.750in	*.750in	76	38	152					
19 Oct 10	MC7150-24K5-24K4	*.750in	*.750in	76	38	152					
22 Feb 00	MC7150-20mmQ6-12	*20.00mm	.375in	76	38	152					
	MC7150-28-12	*.875in	.375in	76	38	152					
09 Mar 88	MC7150-28-16	*.875in	.500in	76	38	152					
17 Dec 03	MC7150-28-20	*.875in	.625in	76	38	152					
09 Mar 88	MC7150-28-28	*.875in	*.875in	76	38	152					
	MC7150-32-10	*1.000in	.313in	76	38	152					
	MC7150-32-16K3	*1.000in	.500in	76	38	152					
09 May 02	MC7150-32-20	*1.000in	.625in	76	38	152					
	MC7150-32-24	*1.000in	*.750in	76	38	152					
	MC7150-32-25mm	*1.000in	*25.00mm	76	38	152					
24 OCT 13	MC7150-20K3-15mmQ5	.625in	15.00mm	76	38	152					

* NOTE: Bores greater than .630in Dia: bore depth is .670in

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APPROVALS	DATE	HELICAL PRODUCTS CO. INC P.O. BOX 1069 SANTA MARIA, CA. 93456 U.S.A PHONE (805) 928-3851 FSCI3201
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ISSUED	8/3/2011	
TITLE HELICAL FLEXIBLE SHAFT COUPLING TABULATED BORE SIZES		DWG NO MC7150

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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									
20 JAN 14	MC7150-10-10	.313in		.313in	130	65	260					

*** NOTE: Bores greater than .630in Dia: bore depth is .670in**

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TITLE

HELICAL FLEXIBLE SHAFT COUPLING

TABULATED BORE SIZES

DWG NO

MC7150

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