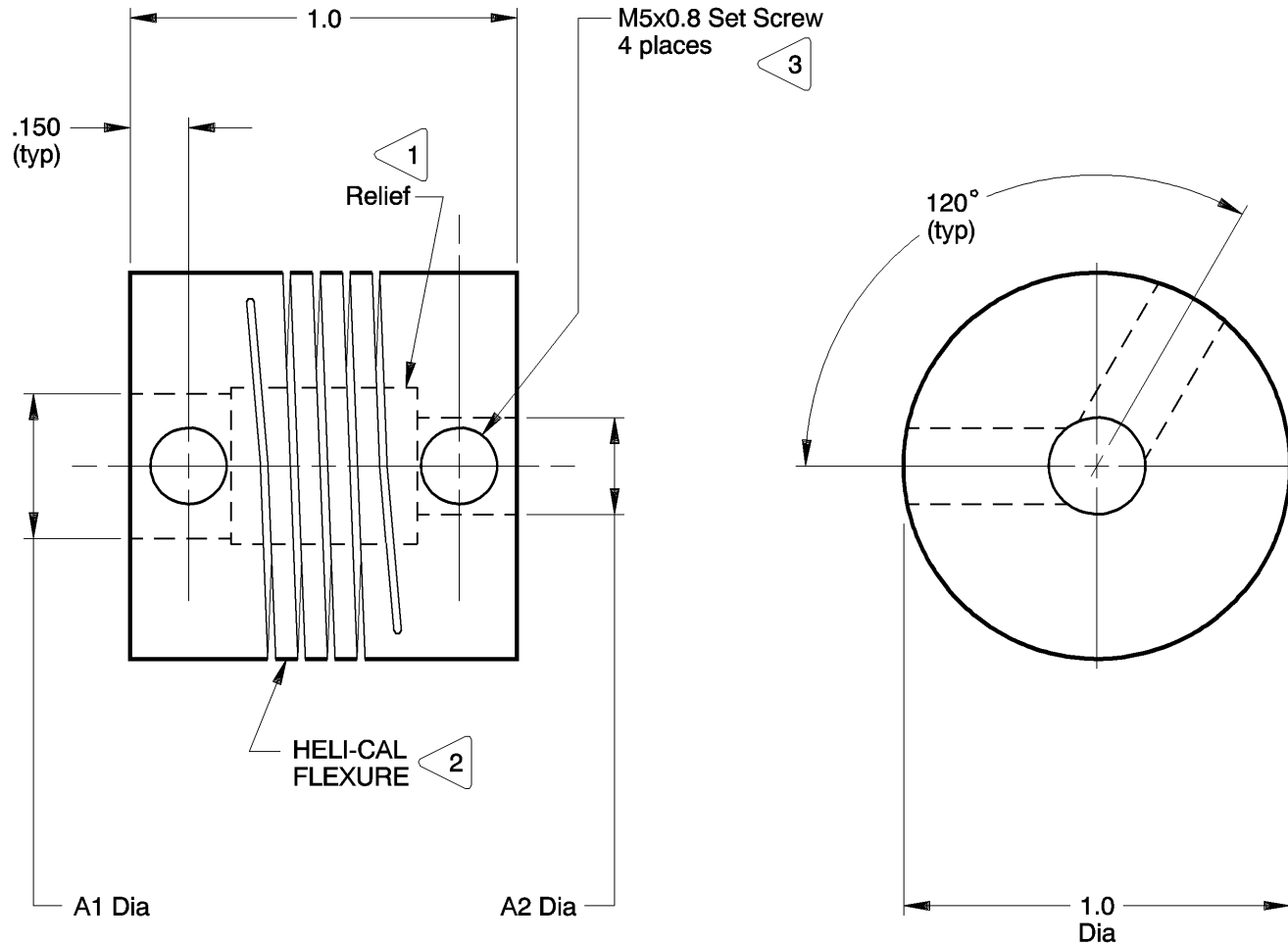


NOTES: See Tabulated Sheet

- 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:
 .094in thru .187in : M2x0.4
 .188in thru .235in : M4x0.7
 .236in thru .630in : M5x0.8
- 4 Backlash: None.
No lubrication required.
- 5 Permitted axial motion from free length: ± .010in.
- 6 RPM: Up to 10,000, depending upon application.
- 7 Working torque ratings are based upon continuous duty with noted misalignments applied separately and may be increased with improved alignment:
See Tabulated Sheet
- 8 Permissible shaft misalignment:
Angular, up to 5 degrees.
Offset, up to .010in.
(TIR, .020in.)



HRM100-12-8 SHOWN

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DO NOT SCALE DRAWING.

Unless otherwise noted dimensions in inches.

Tolerances are:
 Fractions: ± 1/64
 Decimals: .XX ± .010
 .XXX ± .005
 .XXXX ± .0010
 Angles: ± 2 degrees
 Break sharp corners .010 max.

| APPROVALS | DATE |
|------------|------------|
| DRAWN JO | 1-22-87 |
| CHECKED MC | 6-5-87 |
| PRODN APA | 7-2-87 |
| ISSUED | |
| WEIGHT | 85g (calc) |
| SCALE 2/1 | SIZE A |

| HELICAL PRODUCTS CO., INC. | |
|---|---------------------------------|
| P.O. BOX 1069 SANTA MARIA, CA. 93456 U.S.A PHONE (805) 928-3851 FSC13201 | |
| TITLE | HELICAL FLEXIBLE SHAFT COUPLING |
| MATERIAL | 17-4PH CRES HT |
| FINISH | Natural |
| DWG NO | HRM100 |

| | | | | |
|---------|-----|--|-----|----|
| 5-24-99 | | Clerical format update/ No revision | BJM | MC |
| DATE | LTR | REVISION | CHK | |

| 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 | | | | | |
| | | | | | | | | | | | |
| | HRM100-5mm-3mm | 5.00mm | 3.00mm | 27 | 13 | 54 | | | | | |
| | HRM100-6mm-3mm | 6.00mm | 3.00mm | 26 | 13 | 52 | | | | | |
| | HRM100-6mm-4mm | 6.00mm | 4.00mm | 26 | 13 | 52 | | | | | |
| | HRM100-6mm-5mm | 6.00mm | 5.00mm | 26 | 13 | 52 | | | | | |
| | HRM100-6mm-6mm | 6.00mm | 6.00mm | 26 | 13 | 52 | | | | | |
| 03 May 89 | HRM100-8-8 | .250in | .250in | 26 | 13 | 52 | | | | | |
| 11 Sep 00 | HRM100-8mm-5mm | 8.00mm | 5.00mm | 23 | 12 | 47 | | | | | |
| | HRM100-8mm-6mm | 8.00mm | 6.00mm | 23 | 12 | 47 | | | | | |
| | HRM100-8mm-8mm | 8.00mm | 8.00mm | 23 | 12 | 47 | | | | | |
| 10 Sep 07 | HRM100-9mm-9mm | 9.00mm | 9.00mm | 23 | 12 | 47 | | | | | |
| | HRM100-9.5mm-9.5mm | 9.50mm | 9.50mm | 21 | 10 | 42 | | | | | |
| 09 Mar 88 | HRM100-12-8 | .375in | .250in | 21 | 10 | 42 | | | | | |
| | HRM100-12-12 | .375in | .375in | 21 | 10 | 42 | | | | | |
| | HRM100-10mm-6mm | *10.00mm | 6.00mm | 21 | 10 | 42 | | | | | |
| | HRM100-10mm-8mm | *10.00mm | 8.00mm | 21 | 10 | 42 | | | | | |
| | HRM100-10mm-10mm | *10.00mm | *10.00mm | 21 | 10 | 42 | | | | | |
| | HRM100-12mm-8mm | *12.00mm | 8.00mm | 21 | 10 | 42 | | | | | |
| 27 Feb 02 | HRM100-12mm-10mm | *12.00mm | *10.00mm | 21 | 10 | 42 | | | | | |
| | HRM100-12mm-12mm | *12.00mm | *12.00mm | 21 | 10 | 42 | | | | | |

* NOTE: Bores greater than .375in Dia: bore depth is .260in

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ADDITIONAL BORE SIZES AVAILABLE UPON REQUEST

| | |
|-----------|-------------------------|
| APPROVALS | DATE |
| DRAWN | |
| CHECKED | |
| PRODN | |
| ISSUED | 9/28/2007 1:40:23 PM |

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 **HRM100**

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