Table of Contents

0500 SERIES HINGES

- 0500-0001-HNG L ................................................................. 3
- 0500-0001-HNG R ................................................................. 4
- 0500-0002-HNG L ................................................................. 5
- 0500-0002-HNG R ................................................................. 6
- 0500-0011-HNG L ................................................................. 7
- 0500-0011-HNG R ................................................................. 8
- 0500-0201-HNG L ................................................................. 9
- 0500-0201-HNG R ................................................................. 10
- 0500-0401-HNG L ................................................................. 11
- 0500-0401-HNG R ................................................................. 12
- 0500-0402-HNG L ................................................................. 13
- 0500-0402-HNG R ................................................................. 14
- 0500-0501-HNG ................................................................. 15
- 0500-0701-HNG ................................................................. 16

1000 SERIES HINGES

- 1000-0001-HNG L ................................................................. 17
- 1000-0001-HNG R ................................................................. 18
- 1000-0002-HNG L ................................................................. 19
- 1000-0002-HNG R ................................................................. 20
- 1000-0011-HNG L ................................................................. 21
- 1000-0011-HNG R ................................................................. 22
- 1000-0201-HNG L ................................................................. 23
- 1000-0201-HNG R ................................................................. 24
- 1000-0401-HNG L ................................................................. 25
- 1000-0401-HNG R ................................................................. 26
- 1000-0402-HNG L ................................................................. 27
- 1000-0402-HNG R ................................................................. 28
- 1000-0501-HNG ................................................................. 29
- 1000-0601-HNG ................................................................. 30
- 1000-0701-HNG ................................................................. 31
# Table of Contents

## 2000 SERIES HINGES

- 2000-0001-HNG L ................................................................. 32
- 2000-0001-HNG R ................................................................. 33
- 2000-0002-HNG L ................................................................. 34
- 2000-0002-HNG R ................................................................. 35
- 2000-0011-HNG L ................................................................. 36
- 2000-0011-HNG R ................................................................. 37
- 2000-0401-HNG L ................................................................. 38
- 2000-0401-HNG R ................................................................. 39
- 2000-0402-HNG L ................................................................. 40
- 2000-0402-HNG R ................................................................. 41
- 2000-0501-HNG ................................................................. 42
- 2000-0601-HNG ................................................................. 43
- 2000-0701-HNG ................................................................. 44

## 3000 SERIES HINGES

- 3000-0001-HNG L ................................................................. 45
- 3000-0001-HNG R ................................................................. 46
- 3000-0002-HNG L ................................................................. 47
- 3000-0002-HNG R ................................................................. 48
- 3000-0011-HNG L ................................................................. 49
- 3000-0011-HNG R ................................................................. 50
- 3000-0401-HNG L ................................................................. 51
- 3000-0401-HNG R ................................................................. 52
- 3000-0402-HNG L ................................................................. 53
- 3000-0402-HNG R ................................................................. 54
- 3000-0403-HNG ................................................................. 55
- 3000-0501-HNG ................................................................. 56
- 3000-0601-HNG ................................................................. 57
- 3000-0701-HNG ................................................................. 58
0500-0001-HNG L

Torque Range
- LOW: 1.3 – 2.0 in.lb ± 25%
- MED: 2.5 – 4.0 in.lb ± 15%
- HIGH: 4.0 – 6.0 in.lb ± 15%

Overall Dimensions
- 0.86” L X 0.75” W X 0.20” H

Material
- Steel Band, Shaft
- Copper Base Grease

Friction Hinge Features
- Constant torque friction hinge.
- Available in balance or unbalance torque configurations.
- Hinge rotates 360° and provides infinite number of holding positions.
- All bands are nickel plated for extra corrosion resistance.
- Different finishes available for cosmetics requirements.
- All hinges have been tested to meet a minimum life of 30,000 cycles.
- Operating temperature: 0 – 212°F
- Smooth feel and consistent torque is maintained over the life of the hinge (+/- 15% of nominal).
- Hinges have negligible spring back with no backlash.
- All our hinges are RoHS compliant.

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<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Lead</td>
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<td>Under 5 ppm</td>
</tr>
<tr>
<td>Hexavalent Chromium</td>
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</tr>
</tbody>
</table>
0500-0001-HNG R

Torque Range
- LOW: 1.3 – 2.0 in.lb ± 25%
- MED: 2.5 – 4.0 in.lb ± 15%
- HIGH: 4.0 – 6.0 in.lb ± 15%

Overall Dimensions
- 0.86” L X 0.75” W X 0.20” H

Material
- Steel Band, Shaft
- Copper Base Grease

Friction Hinge Features
- Constant torque friction hinge.
- Available in balance or unbalance torque configurations.
- Hinge rotates 360° and provides infinite number of holding positions.
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<tr>
<td><strong>Hexavalent Chromium</strong></td>
<td>Under 5 ppm</td>
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</tbody>
</table>
0500-0002-HNG L

Torque Range
- LOW: 2.5 – 4.0 in.lb ± 15%
- MED: 5.0 – 8.0 in.lb ± 15%
- HIGH: 8.0 – 12.0 in.lb ± 15%

Overall Dimensions
- 1.67” L X 0.75” W X 0.20” H

Material
- Steel Band, Shaft
- Copper Base Grease

Friction Hinge Features
- Constant torque friction hinge.
- Available in balance or unbalance torque configurations.
- Hinge rotates 360° and provides infinite number of holding positions.
- All bands are nickel plated for extra corrosion resistance.
- Different finishes available for cosmetics requirements.
- All hinges have been tested to meet a minimum life of 30,000 cycles.
- Operating temperature: 0 – 212°F
- Smooth feel and consistent torque is maintained over the life of the hinge (+/- 15% of nominal).
- Hinges have negligible spring back with no backlash.
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<tr>
<td>Hexavalent Chromium</td>
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</tbody>
</table>
0500-0002-HNG R

Torque Range
- LOW: 2.5 – 4.0 in.lb ± 15%
- MED: 5.0 – 8.0 in.lb ± 15%
- HIGH: 8.0 – 12.0 in.lb ± 15%

Overall Dimensions
- 1.67” L X 0.75” W X 0.20” H

Material
- Steel Band, Shaft
- Copper Base Grease

Friction Hinge Features
- Constant torque friction hinge.
- Available in balance or unbalance torque configurations.
- Hinge rotates 360° and provides infinite number of holding positions.
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<tr>
<td>Hexavalent Chromium</td>
<td>Under 5 ppm</td>
</tr>
</tbody>
</table>
**TOLERANCES**

- METRIC
  - .XX ± .015 IN
  - .XXX ± .005 IN
  - .XXXX ± .0002 IN

**MATERIAL**

- TITLE
  - B 0500-0002-HNG L & R

**STEEL BAND & SHAFT INTERFACE DRAWING**

<table>
<thead>
<tr>
<th>TORQUE SPECIFICATIONS</th>
<th>CW</th>
<th>CCW</th>
</tr>
</thead>
<tbody>
<tr>
<td>PART NUMBER</td>
<td>0500-0002-HNG L</td>
<td>0500-0002-HNG R</td>
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</tbody>
</table>

**HANAYA**

**TITLE**

**INTERFACE DRAWING**

**ENGLISH [METRIC] TOLERANCES**

- SUITABLE MOUNTING SCREWS
  - METRIC
    - 3-48 UNC
  - METRIC
    - M2.5 X .45

**STEEL BAND & SHAFT**

**SUITABLE MOUNTING SCREWS**

- METRIC
  - .X ± .3 MM
  - XX ± .15 MM
  - XXX ± .005 IN
  - XXXX ± .0002 IN

**ANGLE ± 1°**

**ATTACHED**

0500-0002-HNG L

0500-0002-HNG R

**HANAYA**

- ALL INFORMATION ON THIS PRINT ARE PROPRIETARY TO HANAYA, AND SHALL NOT BE USED IN WHOLE OR IN PART WITHOUT HANAYA'S CONSENT.
**0500-0011-HNG L**

**Torque Range**
- LOW: 0.7 – 1.0 in.lb ± 30%
- MED: 1.3 – 2.0 in.lb ± 25%
- HIGH: 2.0 – 3.0 in.lb ± 20%

**Overall Dimensions**
- 0.45” L X 1.50” W X 0.20” H

**Material**
- Steel Band, Shaft
- Copper Base Grease

**Friction Hinge Features**
- Constant torque friction hinge.
- Available in balance or unbalance torque configurations.
- Hinge rotates 360° and provides infinite number of holding positions.
- All bands are nickel plated for extra corrosion resistance.
- Different finishes available for cosmetics requirements.
- All hinges have been tested to meet a minimum life of 30,000 cycles.
- Operating temperature: 0 – 212°F
- Smooth feel and consistent torque is maintained over the life of the hinge (+/- 15% of nominal).
- Hinges have negligible spring back with no backlash.
- All our hinges are RoHS compliant.

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<tr>
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</table>
**0500-0011-HNG R**

**Torque Range**
- LOW: 0.7 – 1.0 in.lb ± 30%
- MED: 1.3 – 2.0 in.lb ± 25%
- HIGH: 2.0 – 3.0 in.lb ± 20%

**Overall Dimensions**
- 0.45” L X 1.50” W X 0.20” H

**Material**
- Steel Band, Shaft
- Copper Base Grease

**Friction Hinge Features**
- Constant torque friction hinge.
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<tr>
<td>Hexavalent Chromium</td>
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</tbody>
</table>
0500-0201-HNG L

Torque Range
- LOW: 2.5 – 4.0 in.lb ± 15%
- MED: 5.0 – 8.0 in.lb ± 15%
- HIGH: 8.0 – 12.0 in.lb ± 15%

Overall Dimensions
- 1.46” L X 0.48” W X 0.20” H

Material
- Steel Band, Shaft
- Copper Base Grease

Friction Hinge Features
- Constant torque friction hinge.
- Available in balance or unbalance torque configurations.
- Hinge rotates 360° and provides infinite number of holding positions.
- All bands are nickel plated for extra corrosion resistance.
- Different finishes available for cosmetics requirements.
- All hinges have been tested to meet a minimum life of 30,000 cycles.
- Operating temperature: 0 – 212°F
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<td></td>
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<tr>
<td>Hexavalent Chromium</td>
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</tbody>
</table>

Lead Under 100 ppm
Cadmium Under 5 ppm
Mercury Under 5 ppm
Hexavalent Chromium Under 5 ppm
0500-0201-HNG R

Torque Range
- LOW: 2.5 – 4.0 in.lb ± 15%
- MED: 5.0 – 8.0 in.lb ± 15%
- HIGH: 8.0 – 12.0 in.lb ± 15%

Overall Dimensions
- 1.46” L X 0.48” W X 0.20” H

Material
- Steel Band, Shaft
- Copper Base Grease

Friction Hinge Features
- Constant torque friction hinge.
- Available in balance or unbalance torque configurations.
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<tr>
<td>Hexavalent Chromium</td>
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</tbody>
</table>
**0500-0401-HNG L**

**Torque Range**
- LOW: 1.3 – 2.0 in.lb ± 25%
- MED: 2.5 – 4.0 in.lb ± 15%
- HIGH: 4.0 – 6.0 in.lb ± 15%

**Overall Dimensions**
- 1.09” L X 0.48” W X 0.22” H

**Material**
- Steel Band, Shaft
- Zinc Housing
- Copper Base Grease

**Friction Hinge Features**
- Constant torque friction hinge.
- Available in balance or unbalance torque configurations.
- Hinge rotates 360° and provides infinite number of holding positions.
- All bands are nickel plated for extra corrosion resistance.
- Different finishes available for cosmetics requirements.
- All hinges have been tested to meet a minimum life of 30,000 cycles.
- Operating temperature: 0 – 212°F
- Smooth feel and consistent torque is maintained over the life of the hinge (+/- 15% of nominal).
- Hinges have negligible spring back with no backlash.
- All our hinges are RoHS compliant.

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<tr>
<td>Hexavalent Chromium</td>
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</tbody>
</table>
**0500-0401-HNG R**

**Torque Range**
- LOW: 1.3 – 2.0 in.lb ± 25%
- MED: 2.5 – 4.0 in.lb ± 15%
- HIGH: 4.0 – 6.0 in.lb ± 15%

**Overall Dimensions**
- 1.09” L X 0.48” W X 0.22” H

**Material**
- Steel Band, Shaft
- Zinc Housing
- Copper Base Grease

**Friction Hinge Features**
- Constant torque friction hinge.
- Available in balance or unbalance torque configurations.
- Hinge rotates 360° and provides infinite number of holding positions.
- All bands are nickel plated for extra corrosion resistance.
- Different finishes available for cosmetics requirements.
- All hinges have been tested to meet a minimum life of 30,000 cycles.
- Operating temperature: 0 – 212°F
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- All our hinges are RoHS compliant.

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<td>Hexavalent Chromium</td>
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</table>
HANAYA
TITLE
INTERFACE DRAWING

TOLERANCES

ENGLISH [METRIC]

ZINC HOUSING
STEEL BAND & SHAFT

SUITS MOUNTING SCREWS

<table>
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<th>SIZE</th>
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<tr>
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<tr>
<td>X ± .3 MM</td>
<td>XX ± .015 IN</td>
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<tr>
<td>XX ± .13 MM</td>
<td>XXX ± .005 IN</td>
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<td>XXX ± .002 MM</td>
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ANGLE ± 1°

TORQUE SPECIFICATIONS

<table>
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<tr>
<th>PART NUMBER</th>
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<tr>
<td>0500-0401-HNG R</td>
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</tbody>
</table>
0500-0402-HNG L

Torque Range
- LOW: 1.3 – 2.0 in.lb ± 25%
- MED: 2.5 – 4.0 in.lb ± 15%
- HIGH: 4.0 – 6.0 in.lb ± 15%

Overall Dimensions
- 0.95” L X 0.75” W X 0.22” H

Material
- Steel Band, Shaft
- Zinc Housing
- Copper Base Grease

Friction Hinge Features
- Constant torque friction hinge.
- Available in balance or unbalance torque configurations.
- Hinge rotates 360° and provides infinite number of holding positions.
- All bands are nickel plated for extra corrosion resistance.
- Different finishes available for cosmetics requirements.
- All hinges have been tested to meet a minimum life of 30,000 cycles.
- Operating temperature: 0 – 212°F
- Smooth feel and consistent torque is maintained over the life of the hinge (+/- 15% of nominal).
- Hinges have negligible spring back with no backlash.
- All our hinges are RoHS compliant.

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<tr>
<td>Hexavalent Chromium</td>
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Lead Under 100 ppm
Cadmium Under 5 ppm
Mercury Under 5 ppm
Hexavalent Chromium Under 5 ppm
0500-0402-HNG R

Torque Range
- LOW: 1.3 – 2.0 in.lb ± 25%
- MED: 2.5 – 4.0 in.lb ± 15%
- HIGH: 4.0 – 6.0 in.lb ± 15%

Overall Dimensions
- 0.95” L X 0.75” W X 0.22” H

Material
- Steel Band, Shaft
- Zinc Housing
- Copper Base Grease

Friction Hinge Features
- Constant torque friction hinge.
- Available in balance or unbalance torque configurations.
- Hinge rotates 360° and provides infinite number of holding positions.
- All bands are nickel plated for extra corrosion resistance.
- Different finishes available for cosmetics requirements.
- All hinges have been tested to meet a minimum life of 30,000 cycles.
- Operating temperature: 0 – 212°F
- Smooth feel and consistent torque is maintained over the life of the hinge (+/- 15% of nominal).
- Hinges have negligible spring back with no backlash.
- All our hinges are RoHS compliant.

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</table>
0500-0501-HNG

Torque Range
- LOW: 1.0 in.lb ± 30%
- MED: 2.0 in.lb ± 25%
- HIGH: 3.0 in.lb ± 20%

Overall Dimensions
- 1.57" L X 0.20" W X 0.20" H

Material
- Steel Band, Shaft
- Copper Base Grease

Friction Hinge Features
- Constant torque friction hinge.
- Available in balance torque configuration.
- Hinge rotates 360° and provides infinite number of holding positions.
- All bands are nickel plated for extra corrosion resistance.
- Different finishes available for cosmetics requirements.
- All hinges have been tested to meet a minimum life of 30,000 cycles.
- Operating temperature: 0 – 212°F
- Smooth feel and consistent torque is maintained over the life of the hinge (+/- 15% of nominal).
- Hinges have negligible spring back with no backlash.
- All our hinges are RoHS compliant.

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</table>
0500-0701-HNG

Torque Range
- LOW: 2.5 – 4.0 in.lb ± 15%
- MED: 5.0 – 8.0 in.lb ± 15%
- HIGH: 8.0 – 12.0 in.lb ± 15%

Overall Dimensions
- 1.63” L X 1.00” W X 0.20” H

Material
- Steel Band, Shaft
- Copper Base Grease

Friction Hinge Features
- Constant torque friction hinge.
- Available in unbalance torque configurations.
- Hinge rotates 360° and provides infinite number of holding positions.
- All bands are nickel plated for extra corrosion resistance.
- Different finishes available for cosmetics requirements.
- All hinges have been tested to meet a minimum life of 30,000 cycles.
- Operating temperature: 0 – 212°F
- Smooth feel and consistent torque is maintained over the life of the hinge (+/- 15% of nominal).
- Hinges have negligible spring back with no backlash.
- All our hinges are RoHS compliant.

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</tbody>
</table>
TOLERANCES

METRIC

.X ±.015 IN
.XX ±.005 IN
.XXXX ±.0002 IN

MATERIAL

TITLE

B 0500-0701-HNG

STEEL BAND & SHAFT INTERFACE DRAWING

ENGLISH / METRIC

ANGLE ± 1°

DWG NO

ATTACHED

0500-0701-HNG

HANAYA

TORQUE SPECIFICATIONS

PART NUMBER

0500-0701-HNG

CW

CCW

SUITE MOUNTING SCREWS

FRACTIONAL

3-48 UNC

METRIC

M2.5 X .45

ENGLISH / METRIC

SUITE MOUNTING SCREWS

METRIC

.X ±.3 MM

.XX ±.13 MM

.XXXX ±.005 MM

ENGLISH

.X ±.015 IN

.XX ±.005 IN

.XXXX ±.0002 IN

ANGLE ± 1°

MATERIAL

STEEL

0500-0701-HNG
1000-0001-HNG L

Torque Range
- LOW: 5.0 – 8.0 in.lb ± 15%
- MED: 7.0 – 10.0 in.lb ± 15%
- HIGH: 9.0 – 12.0 in.lb ± 15%

Overall Dimensions
- 1.08” L X 1.00” W X .28” H

Material
- Steel Band, Shaft
- Copper Base Grease

Friction Hinge Features
- Constant torque friction hinge.
- Available in balance or unbalance torque configurations.
- Hinge rotates 360° and provides infinite number of holding positions.
- All bands are nickel plated for extra corrosion resistance.
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</table>
1000-0001-HNG R

Torque Range
- LOW: 5.0 – 8.0 in.lb ± 15%
- MED: 7.0 – 10.0 in.lb ± 15%
- HIGH: 9.0 – 12.0 in.lb ± 15%

Overall Dimensions
- 1.08” L X 1.00” W X 0.28” H

Material
- Steel Band, Shaft
- Copper Base Grease

Friction Hinge Features
- Constant torque friction hinge.
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</table>
1000-0002-HNG L

Torque Range
- LOW: 10.0 – 16.0 in.lb ± 15%
- MED: 14.0 – 20.0 in.lb ± 15%
- HIGH: 18.0 – 24.0 in.lb ± 15%

Overall Dimensions
- 2.08” L X 1.00” W X 0.28” H

Material
- Steel Band, Shaft
- Copper Base Grease

Friction Hinge Features
- Constant torque friction hinge.
- Available in balance or unbalance torque configurations.
- Hinge rotates 360° and provides infinite number of holding positions.
- All bands are nickel plated for extra corrosion resistance.
- Different finishes available for cosmetics requirements.
- All hinges have been tested to meet a minimum life of 30,000 cycles.
- Operating temperature: 0 – 212°F
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<tr>
<td><strong>Hexavalent Chromium</strong></td>
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</tbody>
</table>
1000-0002-HNG R

Torque Range
- LOW: 10.0 – 16.0 in.lb ± 15%
- MED: 14.0 – 20.0 in.lb ± 15%
- HIGH: 18.0 – 24.0 in.lb ± 15%

Overall Dimensions
- 2.08” L X 1.00” W X 0.28” H

Material
- Steel Band, Shaft
- Copper Base Grease

Friction Hinge Features
- Constant torque friction hinge.
- Available in balance or unbalance torque configurations.
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</tbody>
</table>
1000-0011-HNG L

Torque Range
- LOW: 1.5 – 2.0 in.lb ± 25%
- MED: 3.0 – 4.0 in.lb ± 15%
- HIGH: 4.0 – 6.0 in.lb ± 15%

Overall Dimensions
- 0.64” L X 1.75” W X 0.28” H

Material
- Steel Band, Shaft
- Copper Base Grease

Friction Hinge Features
- Constant torque friction hinge.
- Available in balance or unbalance torque configurations.
- Hinge rotates 360° and provides infinite number of holding positions.
- All bands are nickel plated for extra corrosion resistance.
- Different finishes available for cosmetics requirements.
- All hinges have been tested to meet a minimum life of 30,000 cycles.
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</table>
1000-0011-HNG R

Torque Range
- LOW: 1.5 – 2.0 in.lb ± 25%
- MED: 3.0 – 4.0 in.lb ± 15%
- HIGH: 4.0 – 6.0 in.lb ± 15%

Overall Dimensions
- 0.64” L X 1.75” W X 0.28” H

Material
- Steel Band, Shaft
- Copper Base Grease

Friction Hinge Features
- Constant torque friction hinge.
- Available in balance or unbalance torque configurations.
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</table>
TOLERANCES

METRIC

.0000 ±.0005 IN

.0000 ±.0002 IN

.0000 ±.0001 IN

MATERIAL

TITLE

B 1000-0011-HNG L & R

STEEL BAND & SHAFT INTERFACE DRAWING


HANAYA

PART NUMBER CW CCW

1000-0011-HNG L

CCW

1000-0011-HNG R

CW

ATTACHED

1000-0011-HNG L

1000-0011-HNG R

SUITEABLE MOUNTING SCREWS

SUITABLE MOUNTING SCREWS

FRACTIONAL 4-40 UNC

METRIC

M3 X 0.5

TOLERANCES

ANGLE ± 1°

SIZE DWG NO

B

MATERIAL

STEEL BAND & SHAFT

TORQUE SPECIFICATIONS

ATTACHED

1000-0011-HNG L & R

ALL INFORMATION ON THIS PRINT ARE PROPRIETARY TO HANAYA, AND SHALL NOT BE USED IN WHOLE OR IN PART WITHOUT HANAYA'S CONSENT.
1000-0201-HNG L

Torque Range
- LOW: 10.0 – 16.0 in.lb ± 15%
- MED: 14.0 – 20.0 in.lb ± 15%
- HIGH: 18.0 – 24.0 in.lb ± 15%

Overall Dimensions
- 0.64” L X 1.83” W X 0.28” H

Material
- Steel Band, Shaft
- Copper Base Grease

Friction Hinge Features
- Constant torque friction hinge.
- Available in balance or unbalance torque configurations.
- Hinge rotates 360⁰ and provides infinite number of holding positions.
- All bands are nickel plated for extra corrosion resistance.
- Different finishes available for cosmetics requirements.
- All hinges have been tested to meet a minimum life of 30,000 cycles.
- Operating temperature: 0 – 212°F
- Smooth feel and consistent torque is maintained over the life of the hinge (+/- 15% of nominal).
- Hinges have negligible spring back with no backlash.
- All our hinges are RoHS compliant.

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1000-0201-HNG R

Torque Range
- LOW: 10.0 – 16.0 in.lb ± 15%
- MED: 14.0 – 20.0 in.lb ± 15%
- HIGH: 18.0 – 24.0 in.lb ± 15%

Overall Dimensions
- 0.64” L X 1.83” W X 0.28” H

Material
- Steel Band, Shaft
- Copper Base Grease

Friction Hinge Features
- Constant torque friction hinge.
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### TOLERANCES

**METRIC**

- .XX ± .015 IN
- .XXX ± .005 IN
- .XXXX ± .0002 IN

### MATERIAL

- STEEL BAND & SHAFT

### INTERFACE DRAWING

**HANAYA**

**TITLE**

INTERFACE DRAWING

**ENGLISH / METRIC TOLERANCES**

<table>
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<tr>
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**SUITE MOUNTING SCREWS**

<table>
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<th>Metric</th>
<th>English</th>
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<td>.X ± .3 MM</td>
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<td>.X ± .015 IN</td>
<td>XXX ± .005 IN</td>
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<tr>
<td>.XX ± .13 MM</td>
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<td>.XXX ± .002 IN</td>
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**SUITE MOUNTING SCREWS**

<table>
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<th>Material</th>
<th>Size</th>
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<tr>
<td>M3 X 0.5</td>
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<td>STEEL</td>
<td>B</td>
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</table>

**ANGLE ± 1°**
1000-0401-HNG L

**Torque Range**
- LOW: 5.0 – 8.0 in.lb ± 15%
- MED: 7.0 – 10.0 in.lb ± 15%
- HIGH: 9.0 – 12.0 in.lb ± 15%

**Overall Dimensions**
- 1.38” L X 0.66” W X 0.31” H

**Material**
- Steel Band, Shaft
- Zinc Housing
- Copper Base Grease

**Friction Hinge Features**
- Constant torque friction hinge.
- Available in balance or unbalance torque configurations.
- Hinge rotates 360° and provides infinite number of holding positions.
- All bands are nickel plated for extra corrosion resistance.
- Different finishes available for cosmetics requirements.
- All hinges have been tested to meet a minimum life of 30,000 cycles.
- Operating temperature: 0 – 212°F
- Smooth feel and consistent torque is maintained over the life of the hinge (+/- 15% of nominal).
- Hinges have negligible spring back with no backlash.
- All our hinges are RoHS compliant.

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1000-0401-HNG R

**Torque Range**
- LOW: 5.0 – 8.0 in.lb ± 15%
- MED: 7.0 – 10.0 in.lb ± 15%
- HIGH: 9.0 – 12.0 in.lb ± 15%

**Overall Dimensions**
- 1.38” L X 0.66” W X 0.31” H

**Material**
- Steel Band, Shaft
- Zinc Housing
- Copper Base Grease

**Friction Hinge Features**
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</table>
1000-0402-HNG L

Torque Range
- LOW: 5.0 – 8.0 in.lb ± 15%
- MED: 7.0 – 10.0 in.lb ± 15%
- HIGH: 9.0 – 12.0 in.lb ± 15%

Overall Dimensions
- 1.22” L X 1.00” W X 0.31” H

Material
- Steel Band, Shaft
- Zinc Housing
- Copper Base Grease

Friction Hinge Features
- Constant torque friction hinge.
- Available in balance or unbalance torque configurations.
- Hinge rotates 360° and provides infinite number of holding positions.
- All bands are nickel plated for extra corrosion resistance.
- Different finishes available for cosmetics requirements.
- All hinges have been tested to meet a minimum life of 30,000 cycles.
- Operating temperature: 0 – 212°F
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</table>
1000-0402-HNG R

Torque Range
- LOW: 5.0 – 8.0 in.lb ± 15%
- MED: 7.0 – 10.0 in.lb ± 15%
- HIGH: 9.0 – 12.0 in.lb ± 15%

Overall Dimensions
- 1.22” L X 1.00” W X 0.31” H

Material
- Steel Band, Shaft
- Zinc Housing
- Copper Base Grease

Friction Hinge Features
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**TOLERANCES**

- METRIC
  - .XX ± .015 IN
  - .XXX ± .005 IN
  - .XXXX ± .0002 IN

**MATERIAL**
- B 1000-0402-HNG L & R
- ZINC HOUSING STEEL BAND & SHAFT

**INTERFACE DRAWING**

**HANAYA**

**ENGLISH [METRIC]**

**TITLE**

**TOLERANCES**

**SUITABLE MOUNTING SCREWS**

- METRIC
  - M3 X 0.5
- ENGLISH
  - XX ± .015 IN
  - XXX ± .005 IN
  - XXXX ± .0002 IN

**TORQUE SPECIFICATIONS**

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<td>1000-0402-HNG R</td>
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</table>

**DRG NO**

- 1000-0402-HNG L & R

**ANGLE ± 1°**
1000-0501-HNG

Torque Range
- LOW: 4.0 in.lb ± 15%
- MED: 6.0 in.lb ± 15%
- HIGH: 8.0 in.lb ± 15%

Overall Dimensions
- 1.75” L X 0.28” W X 0.28” H

Material
- Steel Band, Shaft
- Copper Base Grease

Friction Hinge Features
- Constant torque friction hinge.
- Available in balance torque configuration.
- Hinge rotates 360° and provides infinite number of holding positions.
- All bands are nickel plated for extra corrosion resistance.
- Different finishes available for cosmetics requirements.
- All hinges have been tested to meet a minimum life of 30,000 cycles.
- Operating temperature: 0 – 212°F
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1000-0501-HNG

**TOLERANCES**

- METRIC
  - .XX ± .015 IN
  - .XXX ± .005 IN
  - .XXXX ± .0002 IN

**MATERIAL**

- TITLE
  - B 1000-0501-HNG
  - STEEL BAND & SHAFT INTERFACE DRAWING

**ENGLISH / METRIC**

- ANGLE ± 1°

**TORQUE SPECIFICATIONS**

<table>
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**SUITE MOUNTING SCREWS**

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<td>XXX ± .002 IN</td>
</tr>
</tbody>
</table>

**ANGLE ± 1°**

**ATTACHED**

1000-0501-HNG
**1000-0601-HNG**

**Torque Range**
- Damping Torque Range: 0.5 – 1.0 in.lb ± 30%
- Customizable Damping Torque

**Overall Dimensions**
- 1.75” L X 0.31” W X 0.31” H

**Material**
- Aluminum Shaft, Housing
- Damping Grease

**Friction Hinge Features**
- Constant torque friction hinge.
- Available in balance torque configuration.
- Hinge rotates 360° and provides infinite number of holding positions.
- Different finishes available for cosmetics requirements.
- All hinges have been tested to meet a minimum life of 30,000 cycles.
- Operating temperature: 60 – 212°F
- Smooth feel and consistent torque is maintained over the life of the hinge (+/- 15% of nominal).
- Hinges have negligible spring back with no backlash.
- All our hinges are RoHS compliant.

<p>| | |</p>
<table>
<thead>
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<tbody>
<tr>
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<tr>
<td>Hexavalent Chromium</td>
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HANAYA

TITLE

INTERFACE DRAWING

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<table>
<thead>
<tr>
<th>MATERIAL</th>
<th>SUITABLE MOUNTING SCREWS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALUMINIUM SHAFT &amp; HOUSING</td>
<td>FRACTIONAL 4-40 UNC</td>
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<td>METRIC M3 X 0.5</td>
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ENGLISH / METRIC TOLERANCES

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MATERIAL

ALUMINIUM SHAFT & HOUSING

ATTACHED

1000-0601-HNG

CCW

CW

ANGLE ± 1°
1000-0701-HNG

Torque Range
- LOW: 10.0 – 16.0 in.lb ± 15%
- MED: 14.0 – 20.0 in.lb ± 15%
- HIGH: 18.0 – 24.0 in.lb ± 15%

Overall Dimensions
- 1.75” L X 0.28” W X 0.28” H

Material
- Steel Band, Shaft
- Copper Base Grease

Friction Hinge Features
- Constant torque friction hinge.
- Available in balance torque configuration.
- Hinge rotates 360° and provides infinite number of holding positions.
- All bands are nickel plated for extra corrosion resistance.
- Different finishes available for cosmetics requirements.
- All hinges have been tested to meet a minimum life of 30,000 cycles.
- Operating temperature: 0 – 212°F
- Smooth feel and consistent torque is maintained over the life of the hinge (+/- 15% of nominal).
- Hinges have negligible spring back with no backlash.
- All our hinges are RoHS compliant.

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</table>
2000-0001-HNG L

Torque Range
- LOW: 7.0 – 10.0 in.lb ± 15%
- MED: 9.0 – 13.0 in.lb ± 15%
- HIGH: 11.0 – 16.0 in.lb ± 15%

Overall Dimensions
- 1.37” L X 1.25” W X .34” H

Material
- Steel Band, Shaft
- Copper Base Grease

Friction Hinge Features
- Constant torque friction hinge.
- Available in balance or unbalance torque configurations.
- Hinge rotates 360° and provides infinite number of holding positions.
- All bands are nickel plated for extra corrosion resistance.
- Different finishes available for cosmetics requirements.
- All hinges have been tested to meet a minimum life of 30,000 cycles.
- Operating temperature: 0 – 212°F
- Smooth feel and consistent torque is maintained over the life of the hinge (+/- 15% of nominal).
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</table>
2000-0001-HNG R

Torque Range
- LOW: 7.0 – 10.0 in.lb ± 15%
- MED: 9.0 – 13.0 in.lb ± 15%
- HIGH: 11.0 – 16.0 in.lb ± 15%

Overall Dimensions
- 1.37” L X 1.25” W X .34” H

Material
- Steel Band, Shaft
- Copper Base Grease

Friction Hinge Features
- Constant torque friction hinge.
- Available in balance or unbalance torque configurations.
- Hinge rotates 360° and provides infinite number of holding positions.
- All bands are nickel plated for extra corrosion resistance.
- Different finishes available for cosmetics requirements.
- All hinges have been tested to meet a minimum life of 30,000 cycles.
- Operating temperature: 0 – 212°F
- Smooth feel and consistent torque is maintained over the life of the hinge (+/- 15% of nominal).
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</table>
2000-0002-HNG L

Torque Range
- LOW: 14.0 – 20.0 in.lb ± 15%
- MED: 18.0 – 26.0 in.lb ± 15%
- HIGH: 22.0 – 32.0 in.lb ± 15%

Overall Dimensions
- 2.62” L X 1.25” W X .34” H

Material
- Steel Band, Shaft
- Copper Base Grease

Friction Hinge Features
- Constant torque friction hinge.
- Available in balance or unbalance torque configurations.
- Hinge rotates 360° and provides infinite number of holding positions.
- All bands are nickel plated for extra corrosion resistance.
- Different finishes available for cosmetics requirements.
- All hinges have been tested to meet a minimum life of 30,000 cycles.
- Operating temperature: 0 – 212°F
- Smooth feel and consistent torque is maintained over the life of the hinge (+/- 15% of nominal).
- Hinges have negligible spring back with no backlash.
- All our hinges are RoHS compliant.

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2000-0002-HNG R

Torque Range
- LOW: 14.0 – 20.0 in.lb ± 15%
- MED: 18.0 – 26.0 in.lb ± 15%
- HIGH: 22.0 – 32.0 in.lb ± 15%

Overall Dimensions
- 2.62” L x 1.25” W x .34” H

Material
- Steel Band, Shaft
- Copper Base Grease

Friction Hinge Features
- Constant torque friction hinge.
- Available in balance or unbalance torque configurations.
- Hinge rotates 360° and provides infinite number of holding positions.
- All bands are nickel plated for extra corrosion resistance.
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HANAYA

TORQUE SPECIFICATIONS

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<tr>
<td>2000-0002-HNG R</td>
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</table>

INTERFACE DRAWING

STANDARD MOUNTING SCREWS

- FRACTIONAL: 6-32 UNC
- METRIC: M3.5 X 0.6

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2000-0011-HNG L

Torque Range
- LOW: 3.0 – 4.0 in.lb ± 15%
- MED: 4.0 – 6.0 in.lb ± 15%
- HIGH: 5.0 – 8.0 in.lb ± 15%

Overall Dimensions
- 0.74” L X 2.00” W X .34” H

Material
- Steel Band, Shaft
- Copper Base Grease

Friction Hinge Features
- Constant torque friction hinge.
- Available in balance or unbalance torque configurations.
- Hinge rotates 360° and provides infinite number of holding positions.
- All bands are nickel plated for extra corrosion resistance.
- Different finishes available for cosmetics requirements.
- All hinges have been tested to meet a minimum life of 30,000 cycles.
- Operating temperature: 0 – 212°F
- Smooth feel and consistent torque is maintained over the life of the hinge (+/- 15% of nominal).
- Hinges have negligible spring back with no backlash.
- All our hinges are RoHS compliant.

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2000-0011-HNG R

Torque Range
- LOW: 3.0 – 4.0 in.lb ± 15%
- MED: 4.0 – 6.0 in.lb ± 15%
- HIGH: 5.0 – 8.0 in.lb ± 15%

Overall Dimensions
- 0.74” L X 2.00” W X .34” H

Material
- Steel Band, Shaft
- Copper Base Grease

Friction Hinge Features
- Constant torque friction hinge.
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<td>Hexavalent Chromium</td>
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</tbody>
</table>
2000-0401-HNG L

Torque Range
- LOW: 14.0 – 20.0 in.lb ± 15%
- MED: 18.0 – 26.0 in.lb ± 15%
- HIGH: 22.0 – 32.0 in.lb ± 15%

Overall Dimensions
- 2.50" L X 0.83" W X 0.41" H

Material
- Steel Band, Shaft
- Zinc Housing
- Copper Base Grease

Friction Hinge Features
- Constant torque friction hinge.
- Available in balance or unbalance torque configurations.
- Hinge rotates 360° and provides infinite number of holding positions.
- All bands are nickel plated for extra corrosion resistance.
- Different finishes available for cosmetics requirements.
- All hinges have been tested to meet a minimum life of 30,000 cycles.
- Operating temperature: 0 – 212°F
- Smooth feel and consistent torque is maintained over the life of the hinge (+/- 15% of nominal).
- Hinges have negligible spring back with no backlash.
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2000-0401-HNG R

Torque Range
- LOW: 14.0 – 20.0 in.lb ± 15%
- MED: 18.0 – 26.0 in.lb ± 15%
- HIGH: 22.0 – 32.0 in.lb ± 15%

Overall Dimensions
- 2.50” L X 0.83” W X 0.41” H

Material
- Steel Band, Shaft
- Zinc Housing
- Copper Base Grease

Friction Hinge Features
- Constant torque friction hinge.
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</table>
### INTERFACE DRAWING

**Title:** INTERFACE DRAWING

**Material:** ZINC HOUSING STEEL BAND & SHAFT

**Part Numbers:**
- 2000-0401-HNG L
- 2000-0401-HNG R

**Torque Specifications:**
- CW
- CCW

**Screw Specifications:**
- Fractional 6-32 UNC
- Metric M3.5 X 0.6
- Metric M3.5 X 0.6
- Metric M3.5 X 0.6
- Metric M3.5 X 0.6

**Suitable Mounting Screws:**
- Metric
- English
- Metric
- English

**Tolerances:**
- ENGLISH [METRIC]
- Metric
- ENGLISH
- Metric

**Angle ± 1°**
2000-0402-HNG L

Torque Range
- LOW: 14.0 – 20.0 in.lb ± 15%
- MED: 18.0 – 26.0 in.lb ± 15%
- HIGH: 22.0 – 32.0 in.lb ± 15%

Overall Dimensions
- 3.27” L X 1.25” W X 0.41” H

Material
- Steel Band, Shaft
- Zinc Housing
- Copper Base Grease

Friction Hinge Features
- Constant torque friction hinge.
- Available in balance or unbalance torque configurations.
- Hinge rotates 360⁰ and provides infinite number of holding positions.
- All bands are nickel plated for extra corrosion resistance.
- Different finishes available for cosmetics requirements.
- All hinges have been tested to meet a minimum life of 30,000 cycles.
- Operating temperature: 0 – 212ºF
- Smooth feel and consistent torque is maintained over the life of the hinge (+/- 15% of nominal).
- Hinges have negligible spring back with no backlash.
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2000-0402-HNG R

Torque Range
- LOW: 14.0 – 20.0 in.lb ± 15%
- MED: 18.0 – 26.0 in.lb ± 15%
- HIGH: 22.0 – 32.0 in.lb ± 15%

Overall Dimensions
- 3.27” L X 1.25” W X 0.41” H

Material
- Steel Band, Shaft
- Zinc Housing
- Copper Base Grease

Friction Hinge Features
- Constant torque friction hinge.
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**TOLERANCES**

METRIC

- .XX ± .015 IN
- .XXX ± .005 IN
- .XXXX ± .0002 IN

**MATERIAL**

- TITLE
  - B 2000-0402-HNG L & R
- ZINC HOUSING
- STEEL BAND & SHAFT

**INTERFACE DRAWING**

**TORQUE SPECIFICATIONS**

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**HANAYA**

**TITLE**

INTERFACE DRAWING

**ENGLISH [METRIC]**

**TOLERANCES**

**ZINC HOUSING**

STEEL BAND & SHAFT

**SUITABLE MOUNTING SCREWS**

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**ANGLE ± 1°**

**ATTACHED**

- 2000-0402-HNG L
- 2000-0402-HNG R
2000-0501-HNG

Torque Range
- LOW: 8.0 in.lb ± 15%
- MED: 10.0 in.lb ± 15%
- HIGH: 12.0 in.lb ± 15%

Overall Dimensions
- 2.25” L X 0.34” W X 0.34” H

Material
- Steel Band, Shaft
- Copper Base Grease

Friction Hinge Features
- Constant torque friction hinge.
- Available in balance torque configuration.
- Hinge rotates 360° and provides infinite number of holding positions.
- All bands are nickel plated for extra corrosion resistance.
- Different finishes available for cosmetics requirements.
- All hinges have been tested to meet a minimum life of 30,000 cycles.
- Operating temperature: 0 – 212°F
- Smooth feel and consistent torque is maintained over the life of the hinge (+/- 15% of nominal).
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HANAYA

INTERFACE DRAWING

STEEL BAND & SHAFT

ENGLISH / METRIC

TOLERANCES

SUITABLE MOUNTING SCREWS

MATERIAL

PART NUMBER

2000-0501-HNG

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<tr>
<td>± 0.15 MM</td>
<td>± 0.002 IN</td>
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</table>

| ANGLE | ± 1° |
2000-0601-HNG

**Torque Range**
- Damping Torque Range: 1.0 – 3.0 in.lb ± 20%
- Customizable Damping Torque

**Overall Dimensions**
- 1.75” L X 0.31” W X 0.31” H

**Material**
- Aluminum Shaft, Housing
- Damping Grease

**Friction Hinge Features**
- Constant torque friction hinge.
- Available in balance torque configuration.
- Hinge rotates 360° and provides infinite number of holding positions.
- Different finishes available for cosmetics requirements.
- All hinges have been tested to meet a minimum life of 30,000 cycles.
- Operating temperature: 60 – 212°F
- Smooth feel and consistent torque is maintained over the life of the hinge (+/- 15% of nominal).
- Hinges have negligible spring back with no backlash.
- All our hinges are RoHS compliant.

<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
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</tr>
<tr>
<td>Hexavalent Chromium</td>
<td>Under 5 ppm</td>
</tr>
</tbody>
</table>
2000-0701-HNG

Torque Range
- LOW: 14.0 – 20.0 in.lb ± 15%
- MED: 18.0 – 26.0 in.lb ± 15%
- HIGH: 22.0 – 32.0 in.lb ± 15%

Overall Dimensions
- 1.75” L X 0.28” W X 0.28” H

Material
- Steel Band, Shaft
- Copper Base Grease

Friction Hinge Features
- Constant torque friction hinge.
- Available in balance torque configuration.
- Hinge rotates 360º and provides infinite number of holding positions.
- All bands are nickel plated for extra corrosion resistance.
- Different finishes available for cosmetics requirements.
- All hinges have been tested to meet a minimum life of 30,000 cycles.
- Operating temperature: 0 – 212ºF
- Smooth feel and consistent torque is maintained over the life of the hinge (+/- 15% of nominal).
- Hinges have negligible spring back with no backlash.
- All our hinges are RoHS compliant.

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HANAYA

INTERFACE DRAWING

STEEL BAND & SHAFT

TORQUE SPECIFICATIONS

PART NUMBER  CW  CCW
2000-0701-HNG

ENGLISH [METRIC]

TOLERANCES

SUITABLE MOUNTING SCREWS

METRIC

ENGLISH

MATERIAL

SIZE DWG NO

2000-0701-HNG

ANGLE ± 1°
3000-0001-HNG L

Torque Range
- LOW: 10.0 – 15.0 in.lb ± 15%
- MED: 12.0 – 17.0 in.lb ± 15%
- HIGH: 15.0 – 20.0 in.lb ± 15%

Overall Dimensions
- 1.65” L X 1.44” W X .47” H

Material
- Steel Band, Shaft
- Copper Base Grease

Friction Hinge Features
- Constant torque friction hinge.
- Available in balance or unbalance torque configurations.
- Hinge rotates 360° and provides infinite number of holding positions.
- All bands are nickel plated for extra corrosion resistance.
- Different finishes available for cosmetics requirements.
- All hinges have been tested to meet a minimum life of 30,000 cycles.
- Operating temperature: 0 – 212°F
- Smooth feel and consistent torque is maintained over the life of the hinge (+/- 15% of nominal).
- Hinges have negligible spring back with no backlash.
- All our hinges are RoHS compliant.

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</tbody>
</table>
3000-0001-HNG R

Torque Range
- LOW: 10.0 – 15.0 in.lb ± 15%
- MED: 12.0 – 17.0 in.lb ± 15%
- HIGH: 15.0 – 20.0 in.lb ± 15%

Overall Dimensions
- 1.65” L X 1.44” W X .47” H

Material
- Steel Band, Shaft
- Copper Base Grease

Friction Hinge Features
- Constant torque friction hinge.
- Available in balance or unbalance torque configurations.
- Hinge rotates 360° and provides infinite number of holding positions.
- All bands are nickel plated for extra corrosion resistance.
- Different finishes available for cosmetics requirements.
- All hinges have been tested to meet a minimum life of 30,000 cycles.
- Operating temperature: 0 – 212°F
- Smooth feel and consistent torque is maintained over the life of the hinge (+/- 15% of nominal).
- Hinges have negligible spring back with no backlash.
- All our hinges are RoHS compliant.

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</table>
3000-0002-HNG L

Torque Range
- LOW: 20.0 – 30.0 in.lb ± 15%
- MED: 24.0 – 34.0 in.lb ± 15%
- HIGH: 30.0 – 40.0 in.lb ± 15%

Overall Dimensions
- 3.15” L X 1.44” W X .47” H

Material
- Steel Band, Shaft
- Copper Base Grease

Friction Hinge Features
- Constant torque friction hinge.
- Available in balance or unbalance torque configurations.
- Hinge rotates 360° and provides infinite number of holding positions.
- All bands are nickel plated for extra corrosion resistance.
- Different finishes available for cosmetics requirements.
- All hinges have been tested to meet a minimum life of 30,000 cycles.
- Operating temperature: 0 – 212°F
- Smooth feel and consistent torque is maintained over the life of the hinge (+/- 15% of nominal).
- Hinges have negligible spring back with no backlash.
- All our hinges are RoHS compliant.

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</table>
3000-0002-HNG R

Torque Range
- LOW: 20.0 - 30.0 in.lb ± 15%
- MED: 24.0 - 34.0 in.lb ± 15%
- HIGH: 30.0 - 40.0 in.lb ± 15%

Overall Dimensions
- 3.15” L X 1.44” W X .47” H

Material
- Steel Band, Shaft
- Copper Base Grease

Friction Hinge Features
- Constant torque friction hinge.
- Available in balance or unbalance torque configurations.
- Hinge rotates 360° and provides infinite number of holding positions.
- All bands are nickel plated for extra corrosion resistance.
- Different finishes available for cosmetics requirements.
- All hinges have been tested to meet a minimum life of 30,000 cycles.
- Operating temperature: 0 – 212°F
- Smooth feel and consistent torque is maintained over the life of the hinge (+/- 15% of nominal).
- Hinges have negligible spring back with no backlash.
- All our hinges are RoHS compliant.

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</table>
3000-0011-HNG L

Torque Range
- LOW: 4.0 – 6.0 in.lb ± 15%
- MED: 5.0 – 8.0 in.lb ± 15%
- HIGH: 7.0 – 10.0 in.lb ± 15%

Overall Dimensions
- 0.90” L X 2.25” W X .47” H

Material
- Steel Band, Shaft
- Copper Base Grease

Friction Hinge Features
- Constant torque friction hinge.
- Available in balance or unbalance torque configurations.
- Hinge rotates 360° and provides infinite number of holding positions.
- All bands are nickel plated for extra corrosion resistance.
- Different finishes available for cosmetics requirements.
- All hinges have been tested to meet a minimum life of 30,000 cycles.
- Operating temperature: 0 – 212°F
- Smooth feel and consistent torque is maintained over the life of the hinge (+/- 15% of nominal).
- Hinges have negligible spring back with no backlash.
- All our hinges are RoHS compliant.

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3000-0011-HNG R

Torque Range
- LOW: 4.0 – 6.0 in.lb ± 15%
- MED: 5.0 – 8.0 in.lb ± 15%
- HIGH: 7.0 – 10.0 in.lb ± 15%

Overall Dimensions
- 0.90” L X 2.25” W X .47” H

Material
- Steel Band, Shaft
- Copper Base Grease

Friction Hinge Features
- Constant torque friction hinge.
- Available in balance or unbalance torque configurations.
- Hinge rotates 360° and provides infinite number of holding positions.
- All bands are nickel plated for extra corrosion resistance.
- Different finishes available for cosmetics requirements.
- All hinges have been tested to meet a minimum life of 30,000 cycles.
- Operating temperature: 0 – 212°F
- Smooth feel and consistent torque is maintained over the life of the hinge (+/- 15% of nominal).
- Hinges have negligible spring back with no backlash.
- All our hinges are RoHS compliant.

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<tr>
<td>Hexavalent Chromium</td>
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</tbody>
</table>
3000-0401-HNG L

**Torque Range**
- LOW: 20.0 – 30.0 in.lb ± 15%
- MED: 24.0 – 34.0 in.lb ± 15%
- HIGH: 30.0 – 40.0 in.lb ± 15%

**Overall Dimensions**
- 3.25” L X 0.99” W X .55” H

**Material**
- Steel Band, Shaft
- Zinc Housing
- Copper Base Grease

**Friction Hinge Features**
- Constant torque friction hinge.
- Available in balance or unbalance torque configurations.
- Hinge rotates 360⁰ and provides infinite number of holding positions.
- All bands are nickel plated for extra corrosion resistance.
- Different finishes available for cosmetics requirements.
- All hinges have been tested to meet a minimum life of 30,000 cycles.
- Operating temperature: 0 – 212°F
- Smooth feel and consistent torque is maintained over the life of the hinge (+/- 15% of nominal).
- Hinges have negligible spring back with no backlash.
- All our hinges are RoHS compliant.

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<tr>
<td>Hexavalent Chromium</td>
<td>Under 5 ppm</td>
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</tbody>
</table>
3000-0401-HNG R

**Torque Range**
- LOW: 20.0 – 30.0 in.lb ± 15%
- MED: 24.0 – 34.0 in.lb ± 15%
- HIGH: 30.0 – 40.0 in.lb ± 15%

**Overall Dimensions**
- 3.25” L X 0.99” W X .55” H

**Material**
- Steel Band, Shaft
- Zinc Housing
- Copper Base Grease

**Friction Hinge Features**
- Constant torque friction hinge.
- Available in balance or unbalance torque configurations.
- Hinge rotates 360° and provides infinite number of holding positions.
- All bands are nickel plated for extra corrosion resistance.
- Different finishes available for cosmetics requirements.
- All hinges have been tested to meet a minimum life of 30,000 cycles.
- Operating temperature: 0 – 212°F
- Smooth feel and consistent torque is maintained over the life of the hinge (+/- 15% of nominal).
- Hinges have negligible spring back with no backlash.
- All our hinges are RoHS compliant.

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<tr>
<td>Hexavalent Chromium</td>
<td>Under 5 ppm</td>
</tr>
</tbody>
</table>
3000-0402-HNG L

Torque Range
- LOW: 20.0 – 30.0 in.lb ± 15%
- MED: 24.0 – 34.0 in.lb ± 15%
- HIGH: 30.0 – 40.0 in.lb ± 15%

Overall Dimensions
- 4.03” L X 1.44” W X .55” H

Material
- Steel Band, Shaft
- Zinc Housing
- Copper Base Grease

Friction Hinge Features
- Constant torque friction hinge.
- Available in balance or unbalance torque configurations.
- Hinge rotates 360° and provides infinite number of holding positions.
- All bands are nickel plated for extra corrosion resistance.
- Different finishes available for cosmetics requirements.
- All hinges have been tested to meet a minimum life of 30,000 cycles.
- Operating temperature: 0 – 212°F
- Smooth feel and consistent torque is maintained over the life of the hinge (+/- 15% of nominal).
- Hinges have negligible spring back with no backlash.
- All our hinges are RoHS compliant.

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</tr>
<tr>
<td>Hexavalent Chromium</td>
<td>Under 5 ppm</td>
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</tbody>
</table>
3000-0402-HNG R

Torque Range
- LOW: 20.0 – 30.0 in.lb ± 15%
- MED: 24.0 – 34.0 in.lb ± 15%
- HIGH: 30.0 – 40.0 in.lb ± 15%

Overall Dimensions
- 4.03” L X 1.44” W X .55” H

Material
- Steel Band, Shaft
- Zinc Housing
- Copper Base Grease

Friction Hinge Features
- Constant torque friction hinge.
- Available in balance or unbalance torque configurations.
- Hinge rotates 360° and provides infinite number of holding positions.
- All bands are nickel plated for extra corrosion resistance.
- Different finishes available for cosmetics requirements.
- All hinges have been tested to meet a minimum life of 30,000 cycles.
- Operating temperature: 0 – 212°F
- Smooth feel and consistent torque is maintained over the life of the hinge (+/- 15% of nominal).
- Hinges have negligible spring back with no backlash.
- All our hinges are RoHS compliant.

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<td>Hexavalent Chromium</td>
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</tbody>
</table>
3000-0403-HNG

**Torque Range**
- LOW: 20.0 – 30.0 in.lb ± 15%
- MED: 24.0 – 34.0 in.lb ± 15%
- HIGH: 30.0 – 40.0 in.lb ± 15%

**Overall Dimensions**
- 4.50” L X 0.99” W X .55” H

**Material**
- Steel Band, Shaft
- Zinc Housing
- Copper Base Grease

**Friction Hinge Features**
- Constant torque friction hinge.
- Available in balance or unbalance torque configurations.
- Hinge rotates 360° and provides infinite number of holding positions.
- All bands are nickel plated for extra corrosion resistance.
- Different finishes available for cosmetics requirements.
- All hinges have been tested to meet a minimum life of 30,000 cycles.
- Operating temperature: 0 – 212°F
- Smooth feel and consistent torque is maintained over the life of the hinge (+/- 15% of nominal).
- Hinges have negligible spring back with no backlash.
- All our hinges are RoHS compliant.

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<td>Hexavalent Chromium</td>
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</table>
3000-0501-HNG

Torque Range
- LOW: 12.0 in.lb ± 15%
- MED: 14.0 in.lb ± 15%
- HIGH: 16.0 in.lb ± 15%

Overall Dimensions
- 2.75” L X 0.49” W X 0.49” H

Material
- Steel Band, Shaft
- Copper Base Grease

Friction Hinge Features
- Constant torque friction hinge.
- Available in balance torque configuration.
- Hinge rotates 360° and provides infinite number of holding positions.
- All bands are nickel plated for extra corrosion resistance.
- Different finishes available for cosmetics requirements.
- All hinges have been tested to meet a minimum life of 30,000 cycles.
- Operating temperature: 0 – 212°F
- Smooth feel and consistent torque is maintained over the life of the hinge (+/- 15% of nominal).
- Hinges have negligible spring back with no backlash.
- All our hinges are RoHS compliant.

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TOLERANCES

METRIC

.015 ±.015 IN

.005 ±.005 IN

.0002 ±.0002 IN

MATERIAL

TITLE

STEEL BAND & SHAFT INTERFACE DRAWING

ENGLISH / METRIC

.3 MM

.13 MM

.005 MM

ANGLE ± 1°

SUITABLE MOUNTING SCREWS

METRIC

HANAYA

ENGLISH

FRACTIONAL

ALL INFORMATION ON THIS PRINT ARE PROPRIETARY TO HANAYA, AND SHALL NOT BE USED IN WHOLE OR IN PART WITHOUT HANAYA'S CONSENT.

ENGLISH / METRIC TOLERANCES

PART NUMBER

4 PLCS

4 PLCS

CCW

CW

8-32 UNC

M4 X 0.7

3000-0501-HNG

TORQUE SPECIFICATIONS

ATTACHED

3000-0501-HNG

PART NUMBER

CW

CCW

3000-0501-HNG

ENGLISH

8-32 UNC

M4 X 0.7

3000-0501-HNG

FRACTIONAL

METRIC

8-32 UNC

M4 X 0.7

3000-0501-HNG

SUITSIZE

DWG NO

3000-0501-HNG

ANGLED ± 1°
3000-0601-HNG

**Torque Range**
- Damping Torque Range: 3.0 – 6.0 in.lb ± 15%
- Customizable Damping Torque

**Overall Dimensions**
- 2.75” L X 0.50” W X 0.50” H

**Material**
- Aluminum Shaft, Housing
- Damping Grease

**Friction Hinge Features**
- Constant torque friction hinge.
- Available in balance torque configuration.
- Hinge rotates 360° and provides infinite number of holding positions.
- Different finishes available for cosmetics requirements.
- All hinges have been tested to meet a minimum life of 30,000 cycles.
- Operating temperature: 60 – 212°F
- Smooth feel and consistent torque is maintained over the life of the hinge (+/- 15% of nominal).
- Hinges have negligible spring back with no backlash.
- All our hinges are RoHS compliant.

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**TOLERANCES**

**METRIC**

- .XX ±.015 IN
- .XXX ±.005 IN
- .XXXX ±.0002 IN

**MATERIAL**

**TITLE**

B 3000-0601-HNG

**INTERFACE DRAWING**

**ENGLISH / METRIC TOLERANCES**

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<th>ALUMINUM SHAFT &amp; HOUSING</th>
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**3000-0601-HNG**

**ANGLE ± 1°**

**ATTACHED**

- .177 THRU [4.50] 4 PLCS
- .40 [10.2]

**2.25 [57.1]**

- .38 [9.5]
- 1.50 [38.1]

**2.75 [69.8]**

- .80 [20.3] 4 PLCS
- .50 [12.7]

**.87 [22.2]**

**.20 X2 SYM [5.1]**

- 2.00 [25.4]
3000-0701-HNG

Torque Range
- LOW: 20.0 – 30.0 in.lb ± 15%
- MED: 24.0 – 34.0 in.lb ± 15%
- HIGH: 30.0 – 40.0 in.lb ± 15%

Overall Dimensions
- 3.00” L X 2.00” W X 0.53” H

Material
- Steel Band, Shaft
- Copper Base Grease

Friction Hinge Features
- Constant torque friction hinge.
- Available in balance torque configuration.
- Hinge rotates 360° and provides infinite number of holding positions.
- All bands are nickel plated for extra corrosion resistance.
- Different finishes available for cosmetics requirements.
- All hinges have been tested to meet a minimum life of 30,000 cycles.
- Operating temperature: 0 – 212°F
- Smooth feel and consistent torque is maintained over the life of the hinge (+/- 15% of nominal).
- Hinges have negligible spring back with no backlash.
- All our hinges are RoHS compliant.

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</tr>
<tr>
<td>Hexavalent Chromium</td>
<td>Under 5 ppm</td>
</tr>
</tbody>
</table>
TOLERANCES
METRIC
.XX ±.015 IN
.XXX ±.005 IN
.XXXXX ±.0002 IN

MATERIAL
TITLE
B

ENGLISH [METRIC] TOLERANCES

STEEL BAND & SHAFT

SUITABLE MOUNTING SCREWS
FRACTIONAL 10-24 UNC
METRIC M4.5 X 0.75

ANGLE ± 1°