**Friction Control**
Adjustable friction control which allows customers to set lever forces. Customize the lever effort based on the application.

**Detented Control**
Handle has built-in detent feature with positive stop in any position. In addition, lever force is also adjustable.

**Panel Mount**
Rotary control can be mounted to flat panel or side plate. Mounting with 4 #10 fasteners.

**Handlebar Mount**
Easily mounts to either a 7/8” or 1.00” dia. tube with 2 #10 fasteners. Engineered to reduce additional custom parts when mounting to handlebar.

**Output Ends**
Wescon offers a number of different options for the output ends of your rotary control. Swivel ends, bulkhead or straight are all available to meet your specific needs.

**Accessories**
Wescon offers hardware to join your control to many different applications, including a wide variety of end terminations.
### Rotary Lever Control Head Specifications

#### Applications

**Detented Control**
- Light to medium duty push-pull throttles, valve controls, speed controls or hydrostatic transmission controls

**Features**
- Travel ranges of 1.00” to 3.00”
- Detented
- Positive stops in 1/4” increments
- Adjustable lever friction
- Adjustable lever position every 22 1/2°

**Benefits**
- Durable aluminum diecast lever
- High efficiency and wear resistant composite inner spool
- Mounting options
  - Handlebar mount for 7/8” or 1.00” dia.
  - Side mount
  - 1/2” min. wide panel slot
- Use of 30 Series high flex conduit/core
- Accommodates 20 lb. operating load
- Control and cable assembly shipped complete from factory

**Fricntion Control**
- Light to medium duty push-pull throttles, valve controls, speed controls or hydrostatic transmission controls

**Features**
- Travel ranges of 1.00” to 3.00”
- Nondetented
- Adjustable lever friction
- Adjustable lever position every 22 1/2°

**Benefits**
- Durable aluminum diecast lever
- High efficiency and wear resistant composite inner spool
- Mounting options
  - Handlebar mount for 7/8” or 1.00” dia.
  - Side mount
  - 1/2” min. wide panel slot
- Use of 30 Series conduit/core
- Accommodates 20 lb. operating load
- Control and cable assembly shipped complete from factory
STANDARD CONSTRUCTION INCLUDES:
- 30 Series Push\Pull Construction
- .093 Dia. 1 x 19 Nylon Covered Core
- .39 Dia. Conduit
- 1.00", 1.50", 2.00", 2.50" & 3.00" Travel Options
- 1.00", 2.00" or 3.00" Travel @ Swivel End

---

**30 Series Swivel End Dimensions**

<table>
<thead>
<tr>
<th>Travel (at Control Head)</th>
<th>Bulkhead Type Ftg. &quot;A&quot;</th>
<th>Grooved Type Ftg. &quot;B&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>1&quot; (25.4)</td>
<td>4.38 (111.2)</td>
<td>3.80 (96.5)</td>
</tr>
<tr>
<td>2&quot; (50.8)</td>
<td>5.87 (149.2)</td>
<td>5.31 (134.9)</td>
</tr>
<tr>
<td>3&quot; (76.2)</td>
<td>7.38 (187.4)</td>
<td>6.80 (172.7)</td>
</tr>
</tbody>
</table>
### Rotary Control - Worksheet

Fill in your requirements and fax to **Wescon at 316-942-5114**
or visit our web-site **www.wesconproducts.com**

<table>
<thead>
<tr>
<th>Company Name: __________________________</th>
<th>Contact Person: __________________________</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phone: ________________________________</td>
<td>Fax: ________________________________</td>
</tr>
</tbody>
</table>

#### Control Type
- □ Type I  □ TR  □ DR  □ BL
- □ Type II  □ TL  □ DL  □ BR

#### Control Tension
- □ Detented (Specify Detent °)  □ Friction

#### Travel (Inches)
- □ 1.00  □ 1.50  □ 2.00  □ 2.50  □ 3.00

#### Mounting Options
- □ Flat (4 Bolt)
- □ 7/8" Dia. Handlebar
- □ 1" Dia. Handlebar

#### Output End (See Travel Requirements Page 4)
- □ Bulkhead - Swivel, SS Rod with Plated Brass Tube
- □ Grooved - Swivel, SS Rod with Plated Brass Tube
- □ No End Fitting
- □ Utility - Bulkhead w/Nuts
- □ Utility - Clamp
- □ Utility - Shoulder
- □ Utility - Plain

#### Control Length
- __________ ±.31 Inches (Page 4)

---

### TYPE I

- **Cable Pulls**
  - Top RH Exit
    - Style TR
  - Down RH Exit
    - Style DR
  - Bottom LH Exit
    - Style BL

### TYPE II

- **Cable Pushes**
  - Top LH Exit
    - Style TL
  - Down LH Exit
    - Style DL
  - Bottom RH Exit
    - Style BR

---

* Contact Wescon Representative
Assembly Procedures

KNOB/DETENT TRIGGER ASSEMBLY

1. Remove knob and trigger by removing fasteners.
2. Install control thru min. 1/2” wide slot in panel.
3. Reinstall fasteners.

LEVER POSITION ASSEMBLY

- Adjust handle position as follows:
  1. Remove center lock nut and washers.
  2. Remove lever.
  3. Reposition lever to desired position.
  4. Reinstall hardware and tighten to set desired friction.

Mounting Options

HANDLEBAR MOUNTING

Specify 7/8” or 1.00” Dia. Handlebar/Tube

FLAT SURFACE MOUNTING

7/8” or 1.00” Dia. Handlebar Adapter

#10 Fastener 4 Places
Clevis Assembly

30 Series (10-32 Thread)

<table>
<thead>
<tr>
<th>Part Number</th>
<th>“A” Dia</th>
<th>“B”</th>
<th>“C”</th>
<th>“D”</th>
</tr>
</thead>
<tbody>
<tr>
<td>06-1500-04</td>
<td>.187 (4.8)</td>
<td>1.56 (39.7)</td>
<td>1.00 (25.4)</td>
<td>.187 (4.8)</td>
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<tr>
<td>06-1500-05</td>
<td>.25 (6.3)</td>
<td>2.00 (50.8)</td>
<td>1.25 (31.7)</td>
<td>.281 (7.1)</td>
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</table>

All Dimensions are in inches (mm)

Ball Joint

30 Series

<table>
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<th>Part Number</th>
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<th>“B”</th>
<th>“C”</th>
<th>“D”</th>
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<tbody>
<tr>
<td>08-0005-01</td>
<td>1/4-28</td>
<td>.47 (11.9)</td>
<td>.56 (14.2)</td>
<td>.91 (23.1)</td>
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<tr>
<td>08-0005-02</td>
<td>10-32</td>
<td>.47 (11.9)</td>
<td>.44 (11.2)</td>
<td>.91 (23.1)</td>
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<tr>
<td>*08-0005-03</td>
<td>10-32</td>
<td>.47 (11.9)</td>
<td>.44 (11.2)</td>
<td>.91 (23.1)</td>
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</tbody>
</table>

All Dimensions are in inches (mm)

* Stainless Steel

Shim

30 Series

<table>
<thead>
<tr>
<th>Part Number</th>
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<th>“B”</th>
<th>“C”</th>
<th>“D” Dia</th>
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</thead>
<tbody>
<tr>
<td>08-0010-01</td>
<td>.50 (12.7)</td>
<td>1.50 (38.1)</td>
<td>1.00 (25.4)</td>
<td>.203 (5.1)</td>
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</tbody>
</table>

Clamps

30 Series

<table>
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<tr>
<th>Part Number</th>
<th>“A”</th>
<th>“B”</th>
<th>“C”</th>
<th>“D” Dia</th>
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<td>.203 (5.1)</td>
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</tbody>
</table>
TAKE A LOOK AT OTHER WESCON PRODUCTS

LIGHT DUTY MECHANICAL CONTROL SYSTEMS

PUSH-PULL CABLES CONTROL SYSTEMS

PANEL CONTROL SYSTEMS

BRAKE CABLE AND LEVER SYSTEMS

REMOTE VALVE CONTROL SYSTEMS

SHIFT & UNIVERSAL DUMP CONTROL

WESCON CONTROLS
P.O. Box 7710 Wichita, Kansas 67277
316-942-7266 or call toll free 1-800-835-0160
Fax 316-942-5114
www.wesconproducts.com
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