Magnetic Position Sensing Swing Clamps
- Available as TuffCam™ Swing Clamps 450, 1,100 and 2,600 lbs (excluding Long Stroke models).
- Sensors sold separately.
- Sensor mounting housing is concentric to plunger shaft.
- For use with Double Acting clamps only.
- TuffCam™ Clocking feature uses standard length Vektek arm at the start of Section C.
- Optional In-Port Flow Control is a meter-in device with reverse free flow check valve.
- Optional In-Port Sequence valve is a sequencing device with reverse free flow check valve.

Sensor Kits Ordered Separately
62-2970-00 PNP Position Sensing Kit includes:
- a 29-7001-00 Sensor and a 27-6424-00 Cord set

62-2970-01 NPN Position Sensing Kit includes:
- a 29-7001-01 Sensor and a 27-6424-00 Cord set

The use of NPN or PNP is determined by the type of control unit to which the sensor is connected. One Sensor is required for each sensing position.

Magnetic Position Sensing System

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Clamp Swing Direction</th>
<th>Cylinder Capacity (lbs)</th>
<th>A (in.)</th>
<th>B (in.)</th>
<th>Port X Depth for Optional In-Port Valves*</th>
</tr>
</thead>
<tbody>
<tr>
<td>14-0205-01-R-PS</td>
<td>Right</td>
<td>450</td>
<td>1.72</td>
<td>1.00</td>
<td>N/A</td>
</tr>
<tr>
<td>14-0205-01-L-PS</td>
<td>Left</td>
<td>1,100</td>
<td>1.89</td>
<td>1.00</td>
<td>N/A</td>
</tr>
<tr>
<td>14-0213-01-R-PS</td>
<td>Right</td>
<td>2,600</td>
<td>2.27</td>
<td>1.00</td>
<td>N/A</td>
</tr>
<tr>
<td>14-0213-01-L-PS</td>
<td>Left</td>
<td>2,600</td>
<td>2.27</td>
<td>1.00</td>
<td>N/A</td>
</tr>
</tbody>
</table>

- TuffCam™ Threaded Body (D/A)
  Cylinders actuated hydraulically both directions

- TuffCam™ Top Flange (D/A)
  Cylinders actuated hydraulically both directions

- TuffCam™ Bottom Flange (D/A)
  Cylinders actuated hydraulically both directions

Sensor Feature:
- Normally Open Contact
- LED Indicator Light
- 10 to 30 VDC operating range
- 3 Watt Maximum Contact Rating
- ≤ 0.8 ms Switch-off time
- ≤ 1.0 ms Switch-on time

* In-Port valves require the use of manifold mount ports.