

LCR

Load Cell/Roller Assemblies

**Montalvo LCR Load Cell/Roller Assemblies**

Installation of an LCR assembly can be a quick and easy key to proper tension control. The Montalvo LCR Load Cell / Roll Assembly continuously measures tension in your moving web. The standard LCR is manufactured to your specifications using a lightweight aluminum extrusion, which is ideal for low start-up inertia, and the best tension sensing technology available today. It is available with extra low drag, maintenance free bearings and can be balanced for speeds up to 1500 fpm. A wide variety of load ranges, mounting options, roll materials and roll finishes to fit virtually any application are available. See the worksheet for details.

Features

- ▶ Manufactured to customer specifications
- ▶ Extra low drag, long life, maintenance free bearings available
- ▶ Wide variety of mounting options, load ranges, roll materials and surface finishes and coatings
- ▶ Available lightweight, balanced aluminum tubing

How To Specify

- 1) **Roll Diameter** - We offer 6 standard diameters in our special lightweight aluminum extrusion roll - 3, 4, 5, 6, 7 and 8". Custom diameters from other materials are available. See drawing.
- 2) **Roll Face Length** - The roll face is machined to exact specifications. See drawing. Please note the dimension of the roll offset if it is not centered on the machine frame _____.
- 3) **Frame to Frame Dimension** - This dimension is critical to an exact fit. It is necessary for a standard or flange mount assembly. See drawing.
- 4) **Distance Between Mounting Hole Centers** - This dimension is necessary if a pillow block mounting style is requested. See drawing.
- 5) **Mounting Style** - There are three styles. Standard uses a single bolt per side through the side frame. Flange uses four bolts per side through the side frame. Pillow block uses two bolts per side down into the frame surface. Depending on the application, the pillow block style may require four bolts per side. See drawing.
- 6) **Connector Location** - The standard connector exits the Side of the load cell. An End exit configuration is available on some pillow block mounts. Specify connector location _____.
- 7) **Connector Position** - The connector position is relative to the direction of force due to web tension (which is always 12 o'clock). There are four choices: 3, 6 (standard), 9 and 12 o'clock. Please specify _____.
- 8) **Roll Finish** - The standard roll finish is 32 microinch aluminum. Many optional finishes and coatings are available. Please specify an option as needed _____.

