



**PD** is the plunger diameter.

**For this survey it must be measured to the thousandths using a decimal diameter tape.**

**BSD** is the buffer spring diameter.

**FD** is the diameter of the widest flange section of the head, if it is a flange style head.

**PH** is the height of the concrete pedestal.

**PW** is the width of the concrete pedestal. This dimension is necessary if the buffers need to be moved or replaced.

**BN** is the number of Buffer Springs. Please provide a sketch of unusual buffer assemblies and return with survey.

**RB** is runby, a measurement from the top of the uncompressed buffer springs to the strike plates when the car is floor level.

**BS** is the buffer stroke and should be stamped on the buffer stand data tag, if not, measure the spring gaps and add.

**SD** is the strike distance between, from lowest point on the platen to the highest projection on the top of the head, when the car is floor level at the bottom floor.

**BB** is the distance between buffers.

**CHP** is the distance from the highest point of the cylinder head, to the (concrete) pedestal.

**Please note items below that may have cost ramifications:**

**1:** The distance from the pit to the machine room, the *LifeJacket* requires two 4 Conductor shielded wires and three 18G wires run to the pit from the *LifeJacket* Controller in the machine room, so allow wiring time.

**2:** If there is not a tapped hole in the cylinder you will have to add one. A drill and tap is provided. Takes about 1/2 hour.

**3:** The type of jack packing, you must replace it before installation. Extra time is saved later for repacks if it is done now.

**4:** If the buffers need rework, i.e. moving or shortening. The *LifeJacket's* dimensions are 15.75" x 21". If the **BB** dimension is less than 15.75", they will need to be moved.

**5:** If the pit floods; NEMA 3R conduit on the *LifeJacket* is provided, but not for the pit wiring, parts costs must be added.

**6:** The *LifeJacket™* requires 6 inches of space. If your SD dimension is greater than 6 inches + the required RB + code required, BS no variance will be necessary.

**7:** If buffers are multi-sprunged, please provide a sketch of the buffers with dimensions and return with the survey. Additional strike extension kits may be required.

**8:** Local jurisdictional authorities may charge a fee for a permit, variance and/or inspection where required. Notification of Code concerns will be sent after survey is processed along with an elevation drawing of the pit dimensions after the *LifeJacket* is installed.