



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.

UFD is the diameter of the upper flange section of the head, if it is a stepped flange style head.

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

CD is the diameter of the cylinder or stuffing box at the top of the head.

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.

CHF is the distance from the highest point of the cylinder head to the top of the footer channel.

CHC is the distance from the highest point of the cylinder head, to the (concrete) pit floor.

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.