

# Lifting & Spreader Beams

## Model HC-BEF – High Capacity Beam End Fitting

The same end fittings that build our high capacity spreader beams are available as end fittings only. This allows you to stock one or several sizes of end fittings; work with a local steel supplier to provide cut to length schedule 80 pipe; drill accordingly; and add the required top rigging. Now you can respond to your customers needs with a quickly built, ASME compliant spreader beam.



**INSTOCK PROGRAM**

### PRODUCT FEATURES:

- Build your own spreader beam.
- Fittings only are available in 2 business days.
- Pivoting lower lugs allow for 75° to 90° lower rigging angle.
- Complies with ASME standards when assembled to specifications using designated pipe and rigging.

### SPECIFICATIONS

Model Number	Max. Capacity (tons)*	Schedule 80	
		Pipe Size (in.)	Wall Thickness (in.)
BEF-5HC-25	25	5"	.375
BEF-5HC-50	50	5"	.375
BEF-8HC-50	50	8"	.5
BEF-8HC-80	80	8"	.5
BEF-12HC-80	80	12"	.687
BEF-12HC-110	110	12"	.687
BEF-12HC-130	130	12"	.687

\* System capacity is determined by span, rigging, and hardware, consult factory for complete details.



Shown assembled with options shackles.

## Assembly Information

The Caldwell Model HC-BEF is designed to use A53 Grade B, schedule 80 pipe as the central structural element between the end fittings. This structural material is readily available at most steel service centers. See the above chart for the nominal A53 Grade B, schedule 80 pipe size required.

Other requirements are:

- The length of pipe used for this central element must be straight within 1/4" end to end.
- The pipe should have the ends cleanly cut square with its centerline.
- The A53 Grade B, schedule 80 pipe should not have any weld joint irregularities.
- Each end of the A53 Grade B, schedule 80 pipe must have the correct diameter holes drilled through both walls and both ends must be in line.
- The A53 Grade B, schedule 80 pipe used in this application does not need to pass any pressure testing.

Assembly pins are provided with the end fittings. The pins provided are only to be used to fasten the High Capacity Beam End Fitting (HC-BEF) to the properly sized A53 Grade B, schedule 80 pipe.

**NOTE:** Complete assembly instructions are provided with each set of end fittings.