

# Lifting & Spreader Beams

## Model BEF – Spreader Beam End Fittings



Shown full assembled with customer supplied rigging and bar.

**INSTOCK PROGRAM**

### PRODUCT FEATURES:

- Build your own spreader beam.
- Designed to work with a range of shackle sizes, both top and bottom.
- Complies with ASME standards when assembled to specifications using A53 Grade B, schedule 40 pipe.



### SPECIFICATIONS

Model No. Spread (ft.)	Capacity (tons)																Weight (lbs.) Per Pair			
	4	5	6	8	10	12	14	15	16	18	20	22	24	26	28	30		32	34	36
BEF-2-1/2	7.5	7	6.5	5.5	4	2.9	2	1.8	-	-	-	-	-	-	-	-	-	-	-	16
BEF-5	17	17	17	17	17	16	15	14	13	12	10	8	7	6	5	4.5	-	-	-	46
BEF-8	39	39	39	39	39	38	36	36	35	33	31	29	27	25	23	21	19	16	15	266

**NOTE:** Capacity based on minimum 45° top rigging angle.  
Other sizes available, consult factory.

## Assembly Information

The Caldwell Model BEF is designed to use A53 Grade B, schedule 40 pipe as the central structural element between the end fittings. This structural material is readily available at most steel service centers. The Caldwell Model BEF-2 1/2 requires a 2-1/2" nominal size, the Model BEF-5 requires a 5" nominal size, and the BEF-8 requires an 8" nominal size A53 Grade B, schedule 40 pipe.

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 40 pipe should not have any weld joint irregularities.
- Each end of the A53 Grade B, schedule 40 pipe must have the correct diameter holes drilled through both walls and both ends must be in line.
- The A53 Grade B, schedule 40 pipe used in this application does not need to pass any pressure testing.

The retaining bolts used to secure the Caldwell Model BEF 2-1/2 and 5 to the A53 Grade B, schedule 40 pipe must be a Grade 5 Hex Head Cap Screw 5/8-11 with minimum length of 4-1/2" and 8" respectively. The bolt for the BEF-8 is a Grade 5 Hex Head Cap Screw 1-8 with a minimum length of 11-1/2".

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