

Build-Your-Own Beam End Fittings

Sometimes, you need to create it yourself. Let Caldwell help. Choose from different end fittings and a pipe coupler to get the beam you want.

Model BEF

Spreader Beam End Fittings



Product Features:

- Designed to work with a range of shackle sizes, both top and bottom
- Sold as eaches, not pairs
- Complies with ASME standards when assembled to specifications using designated pipe and rigging

Assembly Information	
<p>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.</p> <p>Other requirements are:</p> <ul style="list-style-type: none"> • 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 <p>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".</p> <p>NOTE: Complete assembly instructions are provided with each set of end fittings.</p>	

Model Number	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
IN STOCK BEF-2-1/2	7.5	7	6.5	5.5	4	2.9	2	1.8	-	-	-	-	-	-	-	-	-	-	-	16
IN STOCK BEF-5	17	17	17	17	17	16	15	14	13	12	10	8	7	6	5	4.5	-	-	-	76
IN STOCK BEF-8	39	39	39	39	39	38	36	36	35	33	31	29	27	25	23	21	19	16	15	266

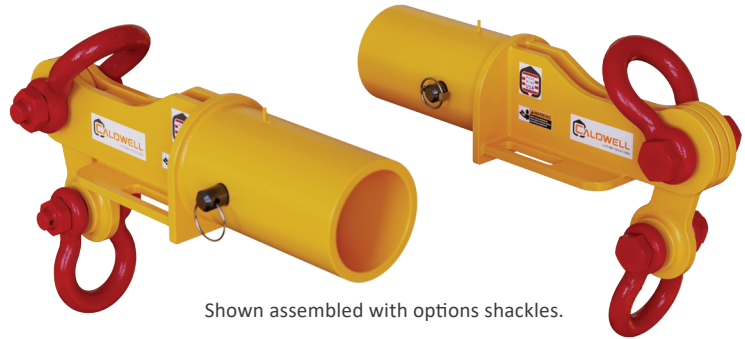
NOTE: Capacity based on minimum 45° top rigging angle. Other sizes available, consult factory.

Model HC-BEF

High-Capacity Beam End Fittings

Product Features:

- Pivoting lower lugs allow for 75° to 90° lower rigging angle
- Sold as eaches, not pairs
- Complies with ASME standards when assembled to specifications using designated pipe and rigging



Shown assembled with options shackles.

Model Number	Max. Capacity (tons)*	Schedule 80		Weight (lbs.) Per Pair
		Pipe Size (in.)	Wall Thickness (in.)	
BEF-5HC-25	25	5"	.375	225
BEF-5HC-50	50	5"	.375	275
BEF-8HC-50	50	8"	.5	370
BEF-8HC-80	80	8"	.5	510
BEF-12HC-80	80	12"	.687	710
BEF-12HC-110	110	12"	.687	895
BEF-12HC-130	130	12"	.687	960

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

Assembly Information	
<p>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 chart on the left for the nominal A53 Grade B, schedule 80 pipe size required.</p> <p>Other requirements are:</p> <ul style="list-style-type: none"> • 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 <p>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.</p> <p>NOTE: Complete assembly instructions are provided with each set of end fittings.</p>	