



# SPREADER BEAMS

SECTION

## FSB FIXED SPREADER BEAM

### PRODUCT FEATURES

- Ideal where headroom is not limited.
- Adds stability to lift.
- Available with standard chain or wire rope rigging.
- Available with Adjust-A-Leg® rigging for off center load adjustment (minimum lifting capacity will be approximately 10-15% of beam rating).
- Wide range of additional sizes and capacities available.
- Complies with ASME standards.

Specify Top Rigging



### TOP RIGGING OPTIONS

#### OPTION C

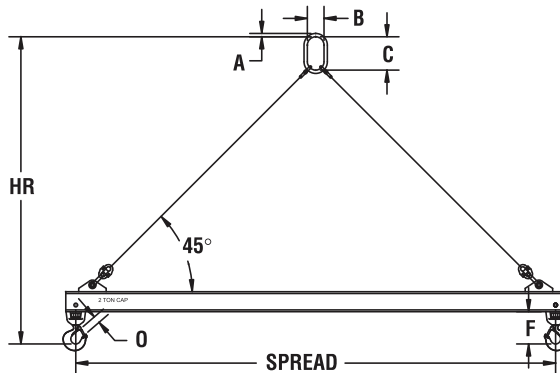
Chain top rigging from beam to crane hook.

#### OPTION W

Wire rope top rigging from beam to crane hook.

#### OPTION A

Adjust-A-Leg® sling top rigging for off-center load adjustment (not included in QuickShip Program).



### SPECIFICATIONS

Capacity (tons)	Model Number HR Headroom (in.) Weight (lbs.)	Spread (feet)								Other Dimensions (in.)	
		4	6	8	10	12	16	20	24		
2	<b>Model Number</b>	<b>FSB24</b>	<b>FSB26</b>	<b>FSB28</b>	<b>FSB210</b>	<b>FSB212</b>	<b>FSB216</b>	<b>FSB220</b>	<b>FSB224</b>	A=1/2	F=4-1/4
	HR Headroom	34	46	58	70	82	106	132	156	B=2-1/2	O=31/32
5	<b>Model Number</b>	<b>FSB54</b>	<b>FSB56</b>	<b>FSB58</b>	<b>FSB510</b>	<b>FSB512</b>	<b>FSB516</b>	<b>FSB520</b>	<b>FSB524</b>	A=1	F=6
	HR Headroom	37	49	61	73	83	110	134	158	B=3-1/2	O=1-1/16
10	<b>Model Number</b>	<b>FSB104</b>	<b>FSB106</b>	<b>FSB108</b>	<b>FSB1010</b>	<b>FSB1012</b>	<b>FSB1016</b>	<b>FSB1020</b>	<b>FSB1024</b>	A=1-1/4	F=8-1/8
	HR Headroom	41	53	64	77	86	113	138	163	B=4-3/8	O=1-1/2
15	<b>Model Number</b>	<b>FSB154</b>	<b>FSB156</b>	<b>FSB158</b>	<b>FSB1510</b>	<b>FSB1512</b>	<b>FSB1516</b>	<b>FSB1520</b>	<b>FSB1524</b>	A=1-1/2	F=9-1/4
	HR Headroom	43	55	65	80	92	116	140	167	B=5-1/4	O=1-3/4
20	<b>Model Number</b>	<b>FSB204</b>	<b>FSB206</b>	<b>FSB208</b>	<b>FSB2010</b>	<b>FSB2012</b>	<b>FSB2016</b>	<b>FSB2020</b>	<b>FSB2024</b>	A=1-3/4	F=9-3/4
	HR Headroom	46	58	69	82	94	118	140	170	B=6	O=2
30	<b>Model Number</b>		<b>FSB306</b>	<b>FSB308</b>	<b>FSB3010</b>	<b>FSB3012</b>	<b>FSB3016</b>	<b>FSB3020</b>		A=1-3/4	F=9-3/4
	HR Headroom		60	70	83	95	120	145		B=6	O=2
40	<b>Model Number</b>		<b>FSB406</b>	<b>FSB408</b>	<b>FSB4010</b>	<b>FSB4012</b>	<b>FSB4016</b>			A=2	F=13
	HR Headroom		65	77	89	102	127			B=7	O=2-3/4
	Weight		563	695	781	1058	1364			C=14	

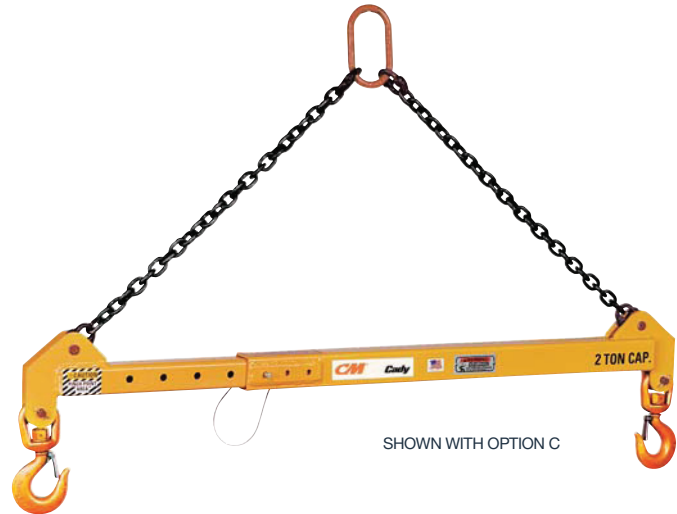
NOTE: Weight = Beam and hooks only - (no top rigging).

## ADJSB ADJUSTABLE SPREADER BEAM

### PRODUCT FEATURES

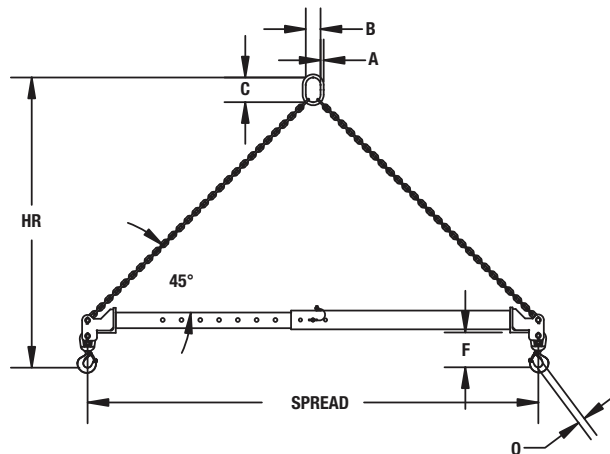
- Ideal where headroom is not limited.
- Adds stability to lift.
- Telescopic spread standard.
- Available with standard chain or wire rope rigging.
- Available with Adjust-A-Leg® rigging for off center load adjustment (minimum lifting capacity will be approximately 10-15% of beam rating).
- Wide range of additional sizes and capacities available.
- Complies with ASME standards.

*Specify Top Rigging*



SHOWN WITH OPTION C

SPREADER BEAMS



### TOP RIGGING OPTIONS

#### OPTION C

Chain top rigging from beam to crane hook.

#### OPTION W

Wire rope top rigging from beam to crane hook.

#### OPTION A

Adjust-A-Leg® sling top rigging for off-center load adjustment (not included in QuickShip Program).

### SPECIFICATIONS

Capacity (tons)	Model Number	Spread (ft.) Min./Max.	HR Headroom Min./Max. w/chain (in.)	Weight Beam & Hooks (lbs.)	A Oblong Dia. (in.)	B Oblong Width (in.)	C Oblong Height (in.)	F - Hook To Beam Bottom (in.)	O - Hook Opening w/latch (in.)	Chain Rigging Weight (lbs.)
2	ADJSB24	4 / 6	48/57	70	1/2	2.36	3.94	5.5	0.97	9
	ADJSB26	6 / 10	72/88	85						13
	ADJSB28	8 / 14	96/113	175						17
	ADJSB212	12 / 20	132/166	245						23
5	ADJSB54	4 / 6	55/64	105	1	3.94	7.09	8.4	1.41	34
	ADJSB56	6 / 10	79/95	160						47
	ADJSB58	8 / 14	102/126	205						61
	ADJSB512	12 / 20	138/172	670						82
10	ADJSB104	4 / 6	60/69	95	1-1/4	5.51	10.63	10.6	1.78	49
	ADJSB106	6 / 10	74/111	175						69
	ADJSB108	8 / 14	108/132	460						88
	ADJSB1012	12 / 20	144/163	680						118
15	ADJSB154	4 / 6	64/72	165	1-1/2	5.25	10.5	13.6	2.22	78
	ADJSB156	6 / 10	87/104	365						111
	ADJSB158	8 / 14	111/135	478						145
	ADJSB1512	12 / 20	147/180	700						194

## LOAD INFORMATION

Briefly describe load: \_\_\_\_\_

Maximum weight: \_\_\_\_\_

Number of pickup points: \_\_\_\_\_

Distance between (spacing) pickup points: \_\_\_\_\_

Is load center of gravity centered between outer pick points?  Yes  No

If no, specify location in reference to pick points (attach a diagram if necessary): \_\_\_\_\_

What type of attachment to the load?

Shackles  Swivel Hooks  Lifting Slings  Other (specify) \_\_\_\_\_

Describe specific requirements: \_\_\_\_\_

## CRANE INFORMATION

Approximate distance between load and crane: \_\_\_\_\_

### Dual crane hoist information

Distance between: \_\_\_\_\_

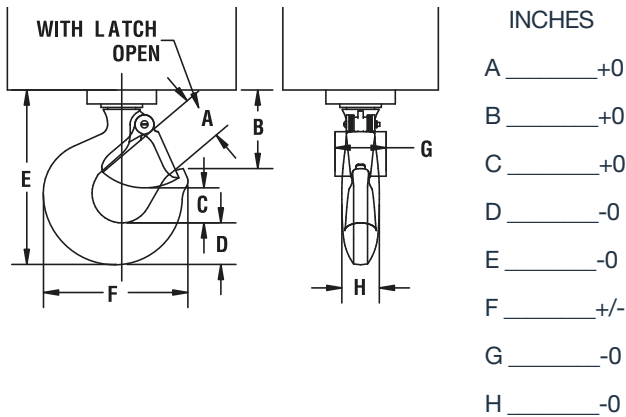
### Single crane hoist information

Same capacity?  Yes  No

Capacity: \_\_\_\_\_

If no, specify capacities: \_\_\_\_\_

## CRANE HOOK DATA



Contact: \_\_\_\_\_

Company: \_\_\_\_\_

Address: \_\_\_\_\_

City, State, Zip: \_\_\_\_\_

Phone: \_\_\_\_\_

Fax: \_\_\_\_\_

Email: \_\_\_\_\_

### Measurement Tolerances

+0 = Measurement should be no larger but can be smaller than actual.

-0 = Measurement should be no smaller but can be larger than actual.

+/- = Measurement can be larger or smaller than actual.

## CARE & USE

Below-The-Hook Lifters by CM Cady have been designed for specific tasks to withstand the particular forces imposed. Guidelines for installation, inspection, maintenance and repair, safe operation and operator training of these lifters follow:

### INSTALLATION

Below Hook Lifters shall be assembled and installed in accordance with the manufacturer's instructions, unless other specific arrangements have been approved in writing by manufacturer. When lifter/auxiliary power supply is required, user inspection shall ensure that the power source complies with ANSI/NFPA 70, National Electrical Code and shall include a power disconnect switch as required in accordance with ANSI/NFPA 70 based on the lifters requirements. If electrical connections are made, the power supply and corresponding power disconnects shall be connected to the line side (power supply side) of the crane disconnect or to an independent circuit as specified in the manufacturer's instruction manual.

Check for correct rotation of all pumps and power units, lubrication of moving parts, and filling of reservoirs, all in accordance with manufacturer's instructions.

### OPERATOR TRAINING

Lifters shall be operated in accordance with manufacturer's instruction manual, and by personnel who have received instructions described in the "Operating Practices" section of these guidelines. Training shall also include instruction regarding:

1. Details of the lifting cycle.
2. Application of the lifter to the load including (according to the manufacturer's instructions) adjustments to the lifter, if any, to adapt it to various sizes and kinds of loads.
3. Instruction in any special operations or precautions that may be required.
4. Recognition of proper load configuration. For example, preferred operation requires an orderly pattern of stacking.
5. Before assuming responsibility for using the lifter, an operator shall demonstrate his understanding of the lifting procedure to the instructor. The instructor should record notes of operator's demonstrated ability

### INSPECTION

The lifter shall be visually inspected by or under the direction of an appointed person on a daily or weekly schedule depending on the nature of the lifter and the severity of the service.

Details to look for include but are not limited to:

1. Structural deformation.
2. Cracks in the structural frame, welds, hoist hook attachment points, mechanically operating parts, any attached slings, clevises and hooks.
3. Malfunctions during operation of a mechanically operating lifter.
4. Loose covers, fasteners and stops.
5. Faulty operation of automatic hold and release mechanisms.
6. Wear of hoist hooking points, load supporting clevises, pins, slings, linkages and mechanical parts.
7. Missing nameplates and markings. Contact CM Cady for replacements.

### MAINTENANCE & REPAIRS

1. A preventive maintenance program should be established for each lifter by a qualified person based on recommendations made by its manufacturer.
2. A qualified person should have responsibility for repairs. Dated records and details of repairs and parts replacement should be carefully maintained by a qualified person, and copies kept in your possession.
3. Replacement parts shall be at least equivalent to the original manufacturer's specifications.

MODIFICATIONS OR REPAIRS PERFORMED ON YOUR LIFTING EQUIPMENT WITHOUT PRIOR WRITTEN APPROVAL FROM **CM CADY** VOIDS YOUR WARRANTY. REFER TO ASME STANDARDS FOR INFORMATION REGARDING THE LIABILITY OF REPAIRED OR MODIFIED LIFTERS.

# CARE & USE

## OPERATING PRACTICES

### DO's

1. The operator shall receive, read and understand the manufacturer's instruction manual.
2. The operator shall watch carefully that the lifter is performing properly during the lifting procedure.
3. The operator shall know the standard crane hand signals.
4. The operator shall only respond to signals from an appointed person. However, stop signals from anyone shall be obeyed.
5. The operator shall notify a designated person when he considers a load to be unsafe.
6. The operator shall inspect the lifter before using. Any defect observed shall be examined by a qualified person to determine if it is a hazard.

### DON'Ts

1. The operator shall not operate a malfunctioning lifter or one with an "out of service" tag attached.
2. The operator shall not use the lifter for any purpose(s) other than those designated by the manufacturer's instruction manual.
3. The operator shall not use a lifter when the capacity, weight or product safety labels are missing or are no longer legible.
4. No one shall make alterations or modifications to lifters without consulting the manufacturer.
5. No one shall obscure or paint over the manufacturer's capacity, weight, or safety markings.
6. Loads shall not be lifted higher than necessary or be left suspended unattended.
7. The lifter shall not lift a load that is not properly balanced for safe lifting.

## HANDLING THE LOAD

1. The lifter shall not be loaded in excess of its rated load.
2. The combined weight of the lifter and load shall not exceed the rated load of the crane or hoist.
3. The lifter shall be applied to the load in accordance with the manufacturer's recommended operating procedure.
4. Lifter ropes and chains shall not be kinked, and multiple part lines shall not be twisted about each other.
5. The lifter shall not touch obstructions during load movement.
6. The lifter shall not be loaded with loose material that might fall during movement.
7. The operator or other personnel shall not place themselves or any part of their bodies beneath suspended loads.
8. The load or lifter shall not be slid on the floor or other surface.
9. The lifter shall not be used for loads for which it is not designed.
10. If suspended loads are moved manually, they shall be pushed, not pulled.
11. A preliminary lift of a few inches shall be made to establish that the load is stable.
12. All loads shall be accelerated and decelerated smoothly and slowly.

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