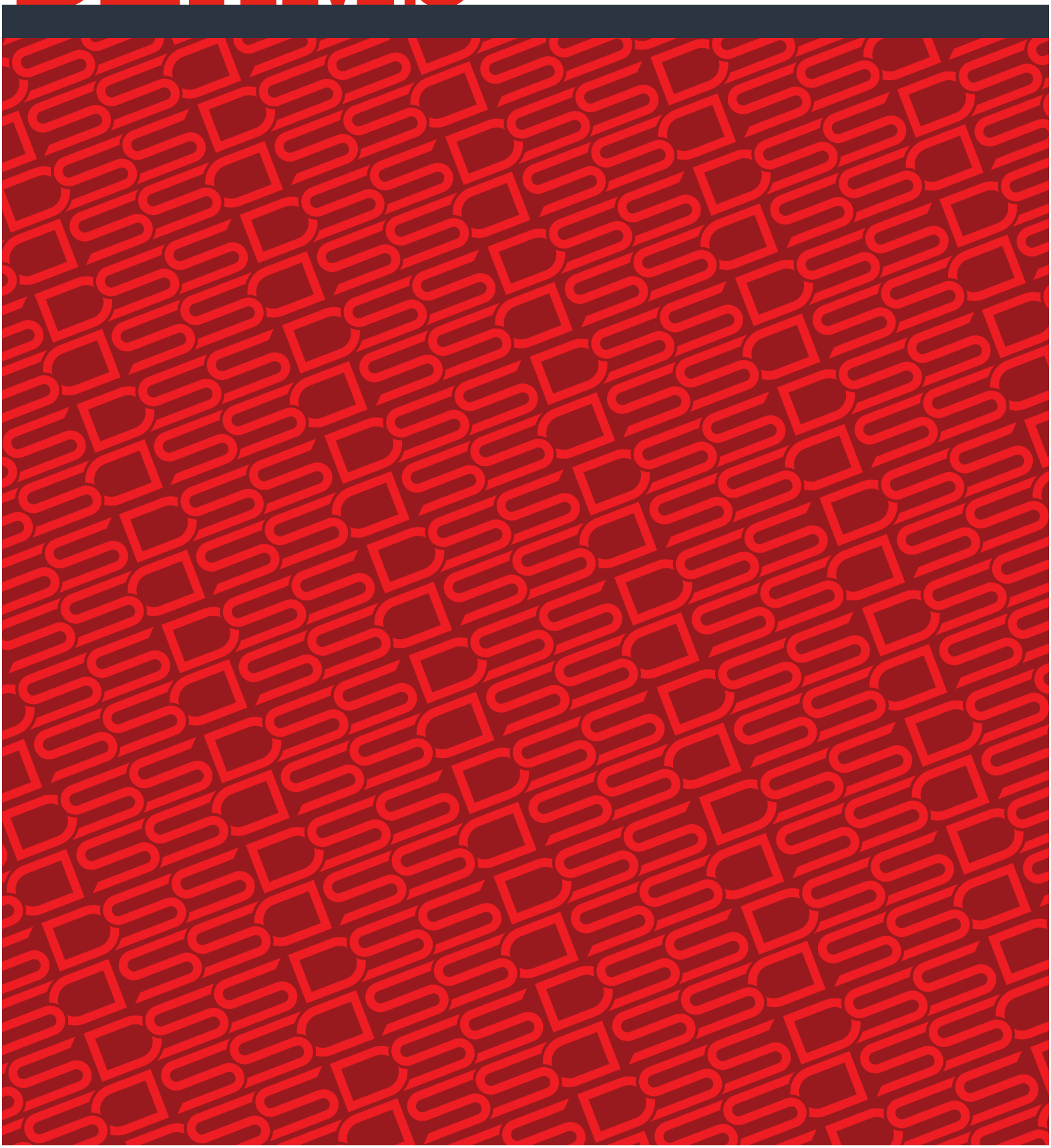
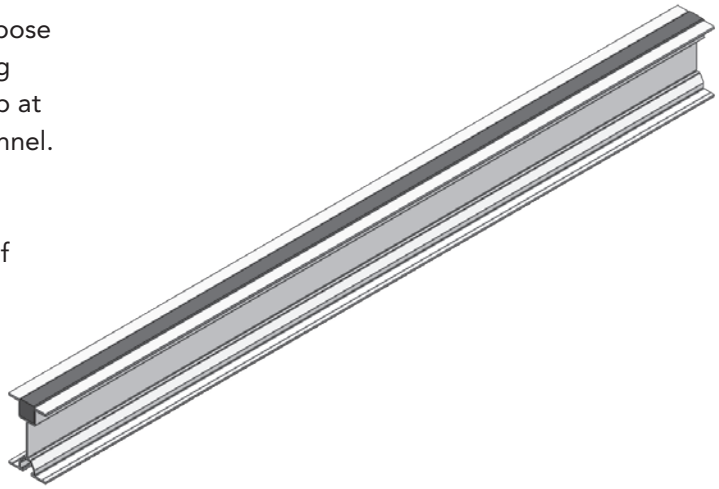
SHORING BEAMS



6.5" ALUMINUM JOIST BEAM - 4" BASE

SHORING BEAMS

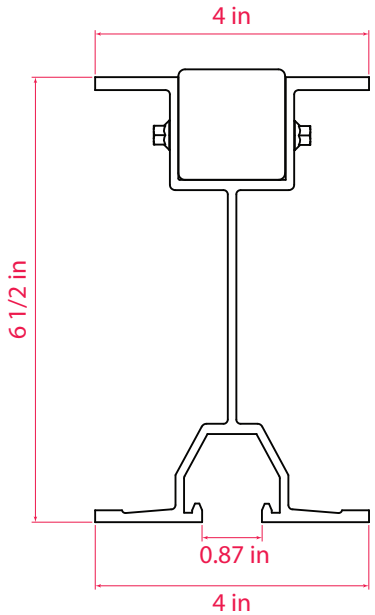
The 6.5" dog house Aluminum Beam is a general-purpose structural aluminum beam used in shoring and forming applications. This beam features a synthetic nailer strip at the top and a 4" bottom flange with a dog house channel.



ADDITIONAL INFORMATION

- Contact your local sales specialist for availability of other beam lengths not listed

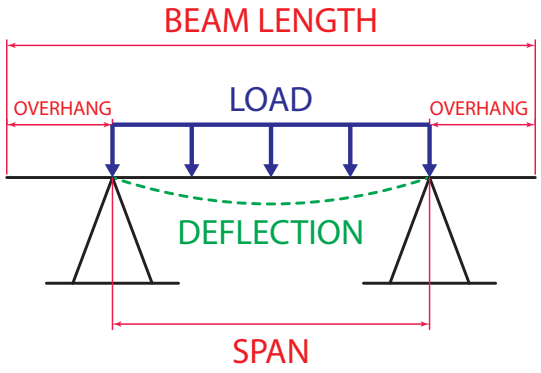
Part No.	Description	Beam Length	Weight
SHAB6505BTF4PN	5', 6.5" x 4" Aluminum Beam	5' / 1.52 m	18.7 lb / 8.5 kg
SHAB6506BTF4PN	6', 6.5" x 4" Aluminum Beam	6' / 1.82 m	22.4 lb / 10.1 kg
SHAB6507BTF4PN	7', 6.5" x 4" Aluminum Beam	7' / 2.13 m	26.1 lb / 11.8 kg
SHAB6508BTF4PN	8', 6.5" x 4" Aluminum Beam	8' / 2.44 m	29.8 lb / 13.5 kg
SHAB6509BTF4PN	9', 6.5" x 4" Aluminum Beam	9' / 2.74 m	33.6 lb / 15.2 kg
SHAB6510BTF4PN	10', 6.5" x 4" Aluminum Beam	10' / 3.01 m	37.3 lb / 16.9 kg
SHAB6511BTF4PN	11', 6.5" x 4" Aluminum Beam	11' / 3.35 m	41 lb / 18.6 kg
SHAB6512BTF4PN	12', 6.5" x 4" Aluminum Beam	12' / 3.66 m	44.8 lb / 20.3 kg
SHAB6513BTF4PN	13', 6.5" x 4" Aluminum Beam	13' / 3.96 m	48.5 lb / 22 kg
SHAB6514BTF4PN	14', 6.5" x 4" Aluminum Beam	14' / 4.27 m	52.2 lb / 23.7 kg
SHAB6515BTF4PN	15', 6.5" x 4" Aluminum Beam	15' / 4.57 m	56 lb / 25.4 kg
SHAB6516BTF4PN	16', 6.5" x 4" Aluminum Beam	16' / 4.88 m	59.7 lb / 27.1 kg
SHAB6517BTF4PN	17', 6.5" x 4" Aluminum Beam	17' / 5.18 m	63.4 lb / 28.8 kg
SHAB6518BTF4PN	18', 6.5" x 4" Aluminum Beam	18' / 5.49 m	67.1 lb / 30.4 kg
SHAB6519BTF4PN	19', 6.5" x 4" Aluminum Beam	19' / 5.79 m	70.9 lb / 32.1 kg
SHAB6520BTF4PN	20', 6.5" x 4" Aluminum Beam	20' / 6.1 m	74.6 lb / 33.8 kg



6.5" ALUM JOIST BEAM LOAD DEFLECTION - 4" BASE

SHORING BEAMS

- Deflection data is based on simple supported span condition. Refer to the diagram.
- Beam is to be laterally supported
- The aluminum beam must have a minimum overhang of 6" on each end
- Load rating is based on a 2:1 safety factor and determined by shear analysis at reaction points



Span	L / 360 Criteria		L / 270 Criteria	
	Deflection	Load	Deflection	Load
4' / 1.22 m	N/A*	3062.6 lb / 44.7* kN	N/A*	3062.6 lb / 44.7* kN
5' / 1.52 m	0.17" / 4.2 mm	1872.6 lb / 27.3 kN	N/A*	2450.1 lb / 35.8* kN
6' / 1.83 m	0.2" / 5.1 mm	1083.7 lb / 15.8 kN	0.27" / 6.8 mm	1444.9 lb / 21.1 kN
7' / 2.13 m	0.23" / 5.8 mm	682.4 lb / 10 kN	0.31" / 7.9 mm	909.9 lb / 13.3 kN
8' / 2.44 m	0.27" / 6.9 mm	457.2 lb / 6.7 kN	0.36" / 9 mm	609.6 lb / 8.9 kN
9' / 2.74 m	0.3" / 7.6 mm	321.1 lb / 4.7 kN	0.4" / 10.2 mm	428.1 lb / 6.2 kN
10' / 3.05 m	0.33" / 8.3 mm	234.1 lb / 3.4 kN	0.44" / 11.2 mm	312.1 lb / 4.6 kN
11' / 3.35 m	0.37" / 9.4 mm	175.9 lb / 2.6 kN	0.49" / 12.4 mm	234.5 lb / 3.4 kN
12' / 3.66 m	0.4" / 10.2 mm	135.5 lb / 2 kN	0.53" / 13.5 mm	180.6 lb / 2.6 kN
13' / 3.96 m	0.43" / 10.9 mm	106.5 lb / 1.6 kN	0.58" / 14.7 mm	142.1 lb / 2.1 kN
14' / 4.27 m	0.47" / 11.9 mm	85.3 lb / 1.2 kN	0.62" / 15.8 mm	113.7 lb / 1.3 kN
15' / 4.57 m	0.5" / 12.7 mm	69.4 lb / 1 kN	0.67" / 16.1 mm	92.5 lb / 1.3 kN
16' / 4.88 m	0.53" / 13.5 mm	57.1 lb / 0.8 kN	0.71" / 18.1 mm	76.2 lb / 1.1 kN
17' / 5.18 m	0.57" / 14.5 mm	47.6 lb / 0.7 kN	0.76" / 19.2 mm	63.5 lb / 0.9 kN
18' / 5.49 m	0.6" / 15.2 mm	40.1 lb / 0.6 kN	0.8" / 20.3 mm	53.5 lb / 0.8 kN
19' / 5.79 m	0.63" / 16 mm	34.1 lb / 0.5 kN	0.84" / 21.4 mm	45.5 lb / 0.7 kN
20' / 6.1 m	0.67" / 17 mm	29.3 lb / 0.4 kN	0.89" / 22.6 mm	39 lb / 0.6 kN

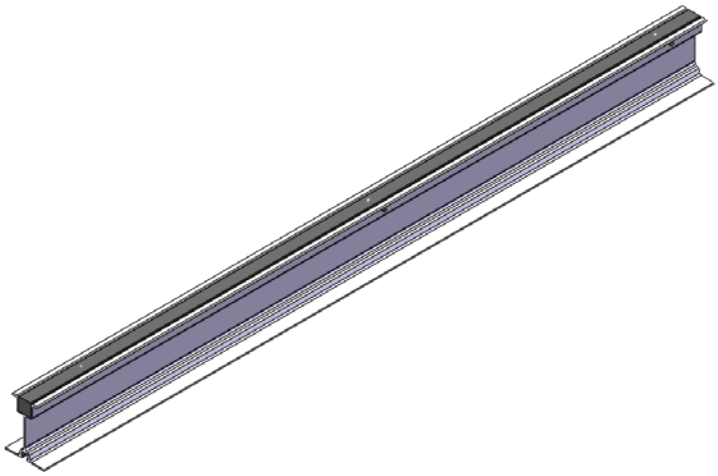
SECTION PROPERTIES

- **Overall Height:** 6.50" / 165.1 mm
- **Base Width:** 4.00" / 101.6 mm
- **Width, Inverted Top Hat Section:** 4.00" / 101.6 mm
- **Cross Sectional Area (w/o nailer):** 2.46 in^2 / 1625.8 mm^2
- **Nominal Weight (w/nailer):** 3.73 lb/ft / 5.55 kg/m
- **Nominal Weight (w/o nailer):** 2.88 lb/ft / 4.29 kg/m
- **Moment of Inertia (Ixx):** 15.5 in^4 / 6,451,587 mm^4
- **Section Modulus, Sxx (min):** 4.70 in^3 / 77,019.2 mm^3
- **Modulus of Elasticity (E):** 10.2E6 ps / 7.03E7 KPa

6.5" ALUMINUM JOIST BEAM - 5" BASE

SHORING BEAMS

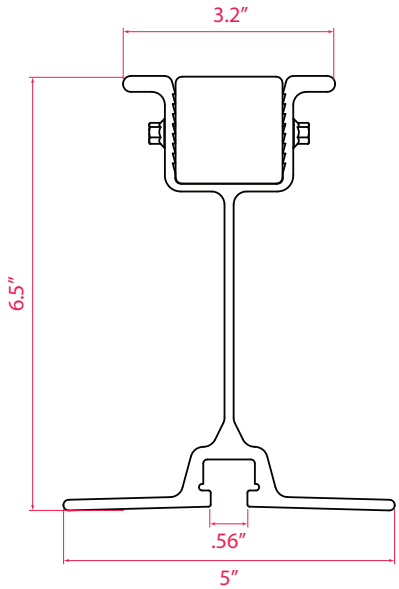
The 6.5" Aluminum Beam is a general-purpose structural aluminum beam used in shoring and forming applications. This beam features a synthetic nailer strip at the top and a shoring bolt cavity at the bottom flange.



ADDITIONAL INFORMATION

- Contact your local sales specialist for availability of other beam lengths not listed

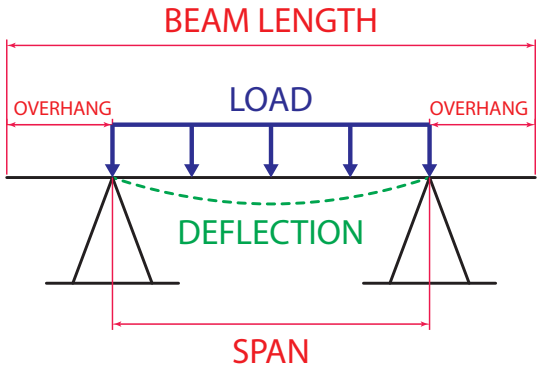
Part No.	Description	Beam Length	Weight
SHAB6505PN	5', 6.5" x 5" Aluminum Beam	4' / 1.22 m	20.8 lb / 9.4 kg
SHAB6506PN	6', 6.5" x 5" Aluminum Beam	5' / 26 m	26 lb / 11.8 kg
SHAB6507PN	7', 6.5" x 5" Aluminum Beam	6' / 1.82 m	31.2 lb / 14.1 kg
SHAB6508PN	8', 6.5" x 5" Aluminum Beam	7' / 2.13 m	36.4 lb / 16.5 kg
SHAB6509PN	9', 6.5" x 5" Aluminum Beam	8' / 2.44 m	41.6 lb / 18.9 kg
SHAB6510PN	10', 6.5" x 5" Aluminum Beam	9' / 2.74 m	46.8 lb / 21.2 kg
SHAB6511PN	11', 6.5" x 5" Aluminum Beam	10' / 3.01 m	52 lb / 23.6 kg
SHAB6512PN	12', 6.5" x 5" Aluminum Beam	11' / 3.35 m	57.2 lb / 25.9 kg
SHAB6513PN	13', 6.5" x 5" Aluminum Beam	12' / 3.66 m	62.4 lb / 28.3 kg
SHAB6514PN	14', 6.5" x 5" Aluminum Beam	13' / 3.96 m	67.6 lb / 30.7 kg
SHAB6515PN	15', 6.5" x 5" Aluminum Beam	14' / 4.27 m	72.8 lb / 33 kg
SHAB6516PN	16', 6.5" x 5" Aluminum Beam	15' / 4.57 m	78 lb / 35.4 kg
SHAB6517PN	17', 6.5" x 5" Aluminum Beam	16' / 4.88 m	83.2 lb / 37.7 kg
SHAB6518PN	18', 6.5" x 5" Aluminum Beam	17' / 5.18 m	88.4 lb / 40.1 kg
SHAB6519PN	19', 6.5" x 5" Aluminum Beam	18' / 5.49 m	93.6 lb / 42.4 kg
SHAB6520PN	20', 6.5" x 5" Aluminum Beam	19' / 5.79 m	98.8 lb / 44.8 kg
SHAB6524PN	24', 6.5" x 5" Aluminum Beam	24' / 7.32 m	100.1 / 45.4 kg



6.5" ALUM JOIST BEAM LOAD DEFLECTION - 5" BASE

SHORING BEAMS

- Deflection data is based on simple supported span condition. Refer to the diagram.
- Beam is to be laterally supported.
- The aluminum beam must have a minimum overhang of 6" on each end.
- Load rating is based on a 2:1 safety factor and determined by shear analysis at reaction points



Span	L / 360 Criteria		L / 270 Criteria	
	Deflection	Load	Deflection	Load
4" / 1.22 mm	N/A*	3698.2 lb / 54.0*kN	N/A*	3698.2 lbfn / 54.0* kN
5" / 1.52 mm	0.17" / 4.2 mm	2105.9 lb / 30.7kN	0.22" / 5.6 mm	2807.8 lbfn / 41.0 kN
6" / 1.83 mm	0.2" / 5.1 mm	1218.7 lb / 17.8kN	0.27" / 6.8 mm	1624.9 lbfn / 23.7 kN
7" / 2.13 mm	0.23" / 5.9 mm	767.5 lb / 11.2 kN	0.31" / 7.9 mm	1023.3 lbfn / 14.9 kN
8" / 2.44 mm	0.27" / 6.8 mm	514.1 lb / 7.50 kN	0.36" / 9.0 mm	685.5 lbfn / 10.0 kN
9" / 2.74 mm	0.3" / 7.6 mm	361.1 lb / 5.30 kN	0.40" / 10.2 mm	481.5 lbfn / 7.0 kN
10" / 3.05 mm	0.33" / 8.5 mm	263.2 lb / 3.80 kN	0.44" / 11.2 mm	351.0 lbfn / 5.1 kN
11" / 3.35 mm	0.37" / 9.3 mm	197.8 lb / 2.90 kN	0.49" / 12.4 mm	263.7 lbfn / 3.8 kN
12" / 3.66 mm	0.4" / 10.2 mm	152.3 lb / 2.20 kN	0.53" / 13.5 mm	203.1 lbfn / 3.0 kN
13" / 3.96 mm	0.43" / 11 mm	119.8 lb / 1.70 kN	0.58" / 14.7 mm	159.8 lbfn / 2.3 kN
14" / 4.27 mm	0.47" / 11.9 mm	95.9 lb / 1.40 kN	0.62" / 15.8 mm	127.9 lbfn / 1.9 kN
15" / 4.57 mm	0.5" / 12.7 mm	78.0 lb / 1.10 kN	0.67" / 16.1 mm	104.0 lbfn / 1.5 kN
16" / 4.88 mm	0.53" / 13.5 mm	64.3 lb / 0.90 kN	0.71" / 18.1 mm	85.7 lbfn / 1.3 kN
17" / 5.18 mm	0.57" / 14.4 mm	53.6 lb / 0.80 kN	0.76" / 19.2 mm	71.4 lbfn / 1.0 kN
18" / 5.49 mm	0.6" / 15.2 mm	45.1 lb / 0.70 kN	0.80" / 20.3 mm	60.2 lbfn / 0.9 kN
19" / 5.79 mm	0.63" / 16.1 mm	38.4 lb / 0.60 kN	0.84" / 21.4 mm	51.2 lbfn / 0.7 kN
20" / 6.1 mm	0.67" / 16.9 mm	32.9 lb / 0.50 kN	0.89" / 22.6 mm	43.9 lbfn / 0.6 kN
24" / 7.32 mm	0.80" / 20.3 mm	19.0 lb / 0.30 kN	1.07" / 27.1 mm	25.4 lbfn / 0.4 kN

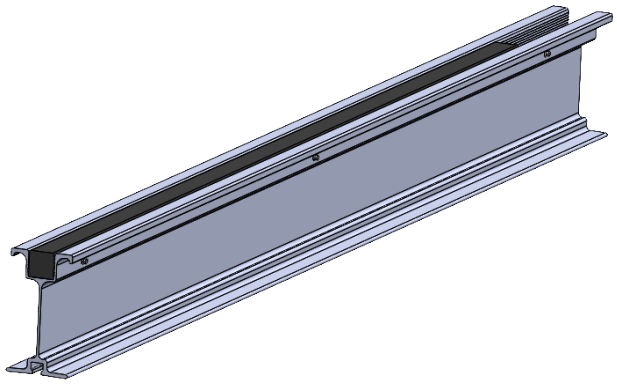
SECTION PROPERTIES

- Overall Height: 6.50" / 165.1 mm
- Base Width: 5.00" / 127.0 mm
- Width, Inverted Top Hat Section: 3.20" / 81.3 mm
- Cross Sectional Area (w/o nailer): 2.82 in^2 / 1819.4 mm^2
- Nominal Weight (w/nailer): 4.17 lb/ft / 6.21 kg/m
- Nominal Weight (w/o nailer): 3.32 lb/ft / 4.94 kg/m
- Moment of Inertia (Ixx): 17.42in^4 / 7.25E6 mm^4
- Section Modulus, Sxx (min): 4.36 in^3 / 71448 mm^3
- Modulus of Elasticity (E): 10.2E6 psi / 7.03E7 KPa

7.5" ALUMINUM STRINGER BEAM

SHORING BEAMS

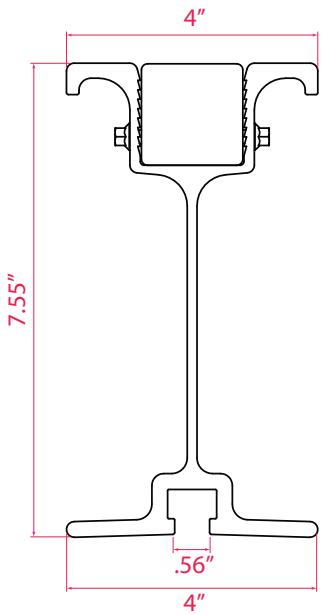
The 7.5" Aluminum Stringer is a general-purpose structural aluminum beam used in shoring and forming applications. This beam features a synthetic nailer strip at the top and a shoring bolt cavity at the bottom flange.



ADDITIONAL INFORMATION

- Contact your local sales specialist for availability of other beam lengths not listed

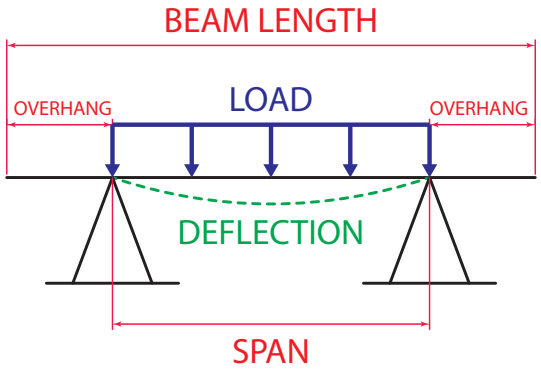
Part No.	Description	Beam Length	Weight
SHAB7504BF4PN	4', 7.5" x 4" Aluminum Stringer	4' / 1.22 m	20.8 lb / 9.4 kN
SHAB7505BF4PN	5', 7.5" x 4" Aluminum Stringer	5' / 26 m	26 lb / 11.8 kN
SHAB7506BF4PN	6', 7.5" x 4" Aluminum Stringer	6' / 1.82 m	31.2 lb / 14.1 kN
SHAB7507BF4PN	7', 7.5" x 4" Aluminum Stringer	7' / 2.13 m	36.4 lb / 16.5 kN
SHAB7508BF4PN	8', 7.5" x 4" Aluminum Stringer	8' / 2.44 m	41.6 lb / 18.9 kN
SHAB7509BF4PN	9', 7.5" x 4" Aluminum Stringer	9' / 2.74 m	46.8 lb / 21.2 kN
SHAB7510BF4PN	10', 7.5" x 4" Aluminum Stringer	10' / 3.01 m	52 lb / 23.6 kN
SHAB7511BF4PN	11', 7.5" x 4" Aluminum Stringer	11' / 3.35 m	57.2 lb / 25.9 kN
SHAB7512BF4PN	12', 7.5" x 4" Aluminum Stringer	12' / 3.66 m	62.4 lb / 28.3 kN
SHAB7513BF4PN	13', 7.5" x 4" Aluminum Stringer	13' / 3.96 m	67.6 lb / 30.7 kN
SHAB7514BF4PN	14', 7.5" x 4" Aluminum Stringer	14' / 4.27 m	72.8 lb / 33 kN
SHAB7515BF4PN	15', 7.5" x 4" Aluminum Stringer	15' / 4.57 m	78 lb / 35.4 kN
SHAB7516BF4PN	16', 7.5" x 4" Aluminum Stringer	16' / 4.88 m	83.2 lb / 37.7 kN
SHAB7517BF4PN	17', 7.5" x 4" Aluminum Stringer	17' / 5.18 m	88.4 lb / 40.1 kN
SHAB7518BF4PN	18', 7.5" x 4" Aluminum Stringer	18' / 5.49 m	93.6 lb / 42.4 kN
SHAB7519BF4PN	19', 7.5" x 4" Aluminum Stringer	19' / 5.79 m	98.8 lb / 44.8 kN
SHAB7520BF4PN	20', 7.5" x 4" Aluminum Stringer	20' / 6.1 m	104 lb / 47.2 kN



7.5" ALUM STRINGER BEAM LOAD DEFLECTION

SHORING BEAMS

- Deflection data is based on simple supported span condition. Refer to the diagram.
- Beam is to be laterally supported.
- The aluminum beam must have a minimum overhang of 6" on each end.
- Load rating is based on a 2:1 safety factor and determined by shear analysis at reaction points



Span	L / 360 Criteria		L / 270 Criteria	
	Deflection	Load	Deflection	Load
4' / 1.22 m	N/A*	5242.6 lb / 76.5* kN	N/A*	5242.6 lb / 76.5* kN
5' / 1.52 m	0.17" / 4.2 mm	3967.1 lb / 57.9 kN	N/A*	4194 lb / 61.2* kN
6' / 1.83 m	0.2" / 5.1 mm	2295.8 lb / 33.5 kN	0.27" / 6.8 mm	3061 lb / 44.7 kN
7' / 2.13 m	0.23" / 5.9 mm	1445.7 lb / 21.1 kN	0.31" / 7.9 mm	1927.7 lb / 28.1 kN
8' / 2.44 m	0.27" / 6.8 mm	968.5 lb / 14.1 kN	0.36" / 9.0 mm	1291.4 lb / 18.8 kN
9' / 2.74 m	0.3" / 7.6 mm	744.4 lb / 10.9 kN	0.4" / 10.2 mm	907 lb / 13.2 kN
10' / 3.05 m	0.33" / 8.5 mm	495.9 lb / 7.2 kN	0.44" / 11.3 mm	661.2 lb / 9.6 kN
11' / 3.35 m	0.37" / 9.3 mm	372.6 lb / 5.4 kN	0.49" / 12.4 mm	496.8 lb / 7.2 kN
12' / 3.66 m	0.4" / 10.2 mm	287 lb / 4.2 kN	0.53" / 13.5 mm	382.6 lb / 5.6 kN
13' / 3.96 m	0.43" / 11 mm	225.7 lb / 3.3 kN	0.58" / 14.7 mm	300.9 lb / 4.4 kN
14' / 4.27 m	0.47" / 11.9 mm	180.7 lb / 2.6 kN	0.62" / 15.8 mm	241 lb / 3.5 kN
15' / 4.57 m	0.5" / 12.7 mm	146.9 lb / 2.1 kN	0.67" / 16.9 mm	195.9 lb / 2.9 kN
16' / 4.88 m	0.53" / 13.5 mm	121.1 lb / 1.8 kN	0.71" / 18.1 mm	161.4 lb / 2.4 kN
17' / 5.18 m	0.57" / 14.4 mm	100.9 lb / 1.5 kN	0.76" / 19.2 mm	134.6 lb / 2 kN
18' / 5.49 m	0.6" / 15.2 mm	85 lb / 1.2 kN	0.8" / 20.3 mm	113.4 lb / 1.7 kN
19' / 5.79 m	0.63" / 16.1 mm	72.3 lb / 1.1 kN	0.84" / 21.4 mm	96.4 lb / 1.4 kN
20' / 6.1 m	0.67" / 16.9 mm	62 lb / 0.9 kN	0.89" / 22.6 mm	82.6 lb / 1.2 kN

SECTION PROPERTIES

- **Overall Height:** 7.55" / 191.77 mm
- **Base Width:** 4.00" / 101.6 mm
- **Width, Inverted Top Hat Section:** 4.00" / 101.6 mm
- **Cross Sectional Area (w/o nailer):** 3.74 in^2 / 2412.89 mm^2
- **Nominal Weight (w/nailer):** 5.2 lb/ft / 0.71 kg/m
- **Nominal Weight (w/o nailer):** 4.47 lb/ft / 0.61 kg/m
- **Moment of Inertia (Ixx):** 32.82 in^4 / 13,660,715.4 mm^4
- **Section Modulus, Sxx (min):** 3.96 in^3 / 64892.7 mm^3
- **Modulus of Elasticity (E):** 10.2E6 psi / 7.03E7 KPa