

AISC Beam Cambering Tolerances

In accordance with AISC Section 6.4.4

Tolerance should be as per AISC code – cambering tolerance for beams 50' long is $-0''/+1/2''$ plus an additional $+1/8''$ for each additional 10' of beam length.

This should be compared to stated tolerances on the dwgs.

For the purposes of comparative values, use the same logic for beams shorter than 50'. Subtract an $1/8''$ for every 10' that beams are shorter than 50'.



Tolerances:

Camber of less than 2" can be done in 3 hits or less	
70'	$-0''/+3/4''$
60'	$-0''/+5/8''$
50'	$-0''/+1/2''$
40'	$-0''/+3/8''$
Camber of less than 1/2" can be done in 2 hits	
30'	$-0''/+1/4''$
20'	$-0''/+1/8''$

Minimum beam length = 22' with standard tooling.
Shorter beams can be accommodated with some limitations

Our machine capacity is W33 x 141
Section Modulus of 448 inches cubed or less