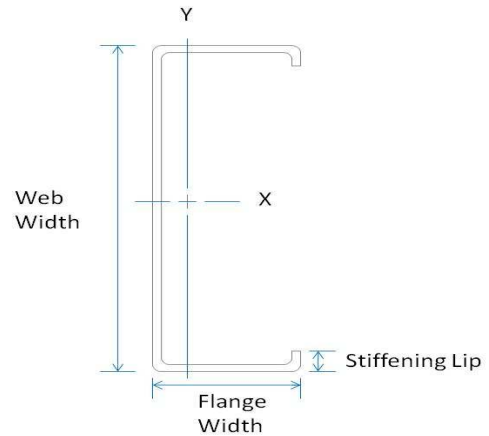


## Member Designator **400S200-33**

Coating **CP60**

## Physical Properties

Design Thickness **0.0346 in**  
 Mil **33 mil**  
 Gauge **20 Gauge**  
 Web Width **4.00 in**  
 Flange Width **2.00 in**  
 Stiffening Lip **0.625 in**  
 Yield Strength **33 ksi**



## Gross Properties

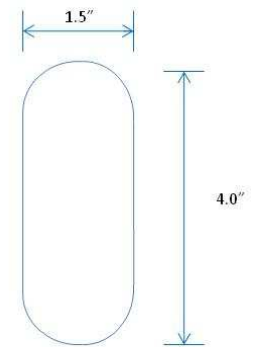
Area (in <sup>2</sup> )	Weight (lb/ft)	I <sub>x</sub> (in <sup>4</sup> )	S <sub>x</sub> (in <sup>3</sup> )	R <sub>x</sub> (in)	I <sub>y</sub> (in <sup>4</sup> )	R <sub>y</sub> (in)
0.310	1.05	0.812	0.406	1.619	0.183	0.769

## Effective Properties

I <sub>x</sub> (in <sup>4</sup> )	S <sub>x</sub> (in <sup>3</sup> )	M <sub>a</sub> (in-k)	V <sub>ag</sub> (lb)
0.812	0.328	6.49	976

## Torsional Properties

J <sup>x1000</sup> (in <sup>4</sup> )	C <sub>w</sub> (in <sup>6</sup> )	X <sub>o</sub> (in)	m (in)	R <sub>o</sub> (in)	β
0.124	0.697	-1.688	1.007	2.462	0.530



Structural Punch

## Limiting Wall Heights – Curtain Wall

Section	Spacing (in) o.c.	5 psf			15 psf			20 psf			25 psf		
		L/120	L/240	L/360	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600
400S200-33	12	27' 7"	21' 11"	19' 1"	15' 2"	13' 3"	11' 2"	13' 9"	12' 0"	10' 2"	12' 9"	11' 2"	9' 5"
400S200-33	16	25' 1"	19' 11"	17' 4"	13' 9"	12' 0"	10' 2"	12' 6"	10' 11"	9' 2"	11' 7"	10' 2"	8' 7"
400S200-33	24	21' 11"	17' 4"	15' 2"	12' 0"	10' 6"	8' 10"	10' 11"	9' 6"	8' 0"	10' 2"	8' 10"	7' 6"

Section	Spacing (in) o.c.	30 psf			35 psf			40 psf			50 psf		
		L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600
400S200-33	12	12' 0"	10' 6"	8' 10"	11' 5"	10' 0"	8' 5"	10' 11"	9' 6"	8' 0"	10' 2"	8' 10"	7' 6"
400S200-33	16	10' 11"	9' 6"	8' 0"	10' 5"	9' 1"	7' 8"	9' 11"	8' 8"	7' 4"	9' 2"	8' 0"	6' 9"
400S200-33	24	9' 6"	8' 4"	7' 0"	9' 1"	7' 11"	6' 8"	8' 8"	7' 7"	6' 4"	7' 11"	7' 0"	5' 11"

## General Notes

- Physical properties and load tables have been calculated in conformance with the 2001 NASPEC for the Design of Cold-Formed Steel Structural Members, including the 2004 Supplement, and the IBC 2006, unless noted otherwise.
- All structural framing members have a protective coating conforming to ASTM C 955.
- Reference ASTM specification A 1003/A 1003 M table 1 for the universe of allowable coatings for light gauge steel framing.
- Stud/joists are manufactured to custom lengths. Stud/joists are manufactured with punched webs unless otherwise specified at time of order.
- Track is produced in standard lengths of 10 feet unless a custom track length is indicated. Track is manufactured with unpunched webs.
- Structural framing members are marked with product information per the requirements of ASTM C 955 section 12.
- All delivered material must be kept dry, preferably by being stored inside a building under a roof. If it is necessary to store material outside, it must be stacked off the ground, properly supported on a level platform, and fully protected from the weather. Reference ASTM C 754 section 8 and ASTM C 1007 section 4.

## LEED Green Building Credits

MR Credit 2: Construction Waste Management – MBA steel framing is 100% recyclable.

MR Credit 4: Recycled Content – MBA steel framing is formed from no less than 25.5% post-consumer and 6.8% pre-consumer recycled content.

MR Credit 5: Regional Materials – MBA has manufacturing facilities in multiple states.