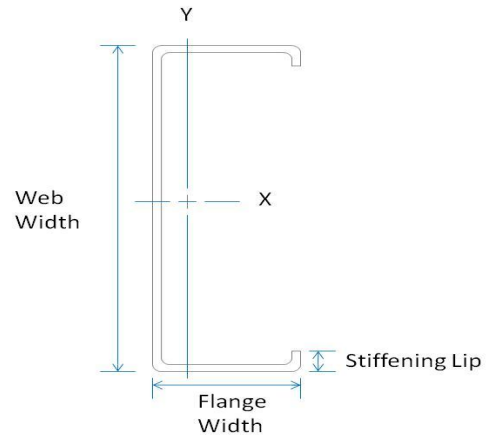


Member Designator **400S162-68**

Coating **CP60**

Physical Properties

Design Thickness **0.0713 in**
 Mil **68 mil**
 Gauge **14 Gauge**
 Web Width **4.00 in**
 Flange Width **1.625 in**
 Stiffening Lip **0.50 in**
 Yield Strength **50 ksi**



Gross Properties

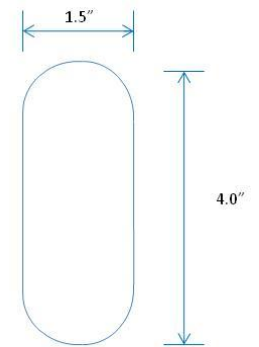
Area (in ²)	Weight (lb/ft)	I _x (in ⁴)	S _x (in ³)	R _x (in)	I _y (in ⁴)	R _y (in)
0.550	1.87	1.346	0.673	1.564	0.192	0.591

Effective Properties

I _{xx} (in ⁴)	S _{xx} (in ³)	M _a (in-k)	V _{ag} (lb)
1.346	0.648	19.41	4871

Torsional Properties

J ^{x1000} (in ⁴)	C _w (in ⁶)	X _o (in)	m (in)	R _o (in)	β
0.933	0.677	-1.220	0.745	2.069	0.653



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
400S162-68	12	32' 9"	26' 0"	22' 8"	18' 0"	15' 9"	13' 3"	16' 4"	14' 3"	12' 1"	15' 2"	13' 3"	11' 2"
400S162-68	16	29' 9"	23' 7"	20' 7"	16' 4"	14' 3"	12' 1"	14' 10"	13' 0"	10' 11"	13' 10"	12' 1"	10' 2"
400S162-68	24	26' 0"	20' 7"	18' 0"	14' 3"	12' 6"	10' 6"	13' 0"	11' 4"	9' 7"	12' 1"	10' 6"	8' 10"

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
400S162-68	12	14' 3"	12' 6"	10' 6"	13' 7"	11' 10"	10' 0"	13' 0"	11' 4"	9' 7"	12' 1"	10' 6"	8' 10"
400S162-68	16	13' 0"	11' 4"	9' 7"	12' 4"	10' 9"	9' 1"	11' 9"	10' 3"	8' 8"	10' 11"	9' 7"	8' 1"
400S162-68	24	11' 4"	9' 11"	8' 4"	10' 9"	9' 5"	7' 11"	10' 3"	9' 0"	7' 7"	9' 7"	8' 4"	7' 0"

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.