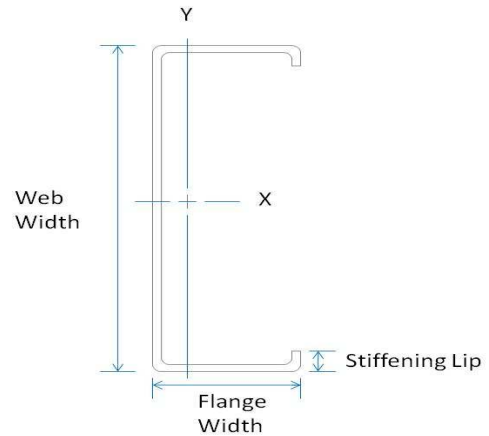


Member Designator **600S162-43**

Coating **CP60**

Physical Properties

Design Thickness **0.0451 in**
 Mil **43 mil**
 Gauge **18 Gauge**
 Web Width **6.00 in**
 Flange Width **1.625 in**
 Stiffening Lip **0.50 in**
 Yield Strength **33 ksi**



Gross Properties

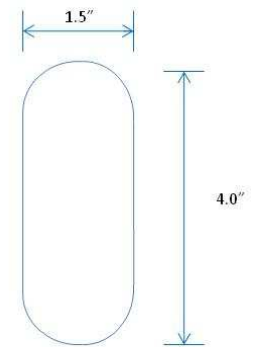
Area (in ²)	Weight (lb/ft)	I _x (in ⁴)	S _x (in ³)	R _x (in)	I _y (in ⁴)	R _y (in)
0.447	1.52	2.316	0.772	2.276	0.148	0.576

Effective Properties

I _x (in ⁴)	S _x (in ³)	M _a (in-k)	V _{ag} (lb)
2.316	0.767	16.68	1416

Torsional Properties

J ^{x1000} (in ⁴)	C _w (in ⁶)	X _o (in)	m (in)	R _o (in)	β
0.303	1.095	-1.062	0.670	2.577	0.830



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
600S162-43	12	39' 3"	31' 2"	27' 3"	21' 7"	18' 10"	15' 11"	19' 7"	17' 2"	14' 5"	18' 2"	15' 11"	13' 5"
600S162-43	16	35' 8"	28' 4"	24' 9"	19' 7"	17' 2"	14' 5"	17' 10"	15' 7"	13' 1"	16' 6"	14' 5"	12' 2"
600S162-43	24	31' 2"	24' 9"	21' 7"	17' 2"	14' 11"	12' 7"	15' 7"	13' 7"	11' 5"	14' 5"	12' 7"	10' 8"

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
600S162-43	12	17' 2"	14' 11"	12' 7"	16' 3"	14' 2"	12' 0"	15' 7"	13' 7"	11' 5"	14' 5"	12' 7"	10' 8"
600S162-43	16	15' 7"	13' 7"	11' 5"	14' 9"	12' 11"	10' 11"	14' 2"	12' 4"	10' 5"	13' 1"	11' 5"	9' 8"
600S162-43	24	13' 7"	11' 10"	10' 0"	12' 11"	11' 3"	9' 6"	12' 4"	10' 9"	9' 1"	11' 5"	10' 0"	8' 5"

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.